120V MAXX Light Flex

The Modern Day Ropelight

Plug & Play ✳ Waterproof ✳ Dimmable
No Amplifiers or Power Supply Needed ✳ Up To 165' Can Be Run From One Power Cord

3 Styles Available

Ideal For... Deck • Path Lighting • Building Outlines

STANDARD (Solid Color)
Dimmable

ULTRA BRIGHT (Solid Color)
Dimmable

STANDARD (RGB)
Color Changing

Standard 120V	*EASY TO USE*	Hardwire To Wall Switch

120V PLUG NO POWER SUPPLY NEEDED!

ETL

High Light Output

120V

MAXX LED Light (Indoor/Outdoor): *No Power Supply Needed!*

Can Run Up To 164 Ft. On One Power Cord
Available Lengths: 33', 82' & 164'
Material: Flexible PVC

- Ideal for applications in which longer lengths are desired
- Includes a factory sealed 2' power cord & end cap
- Consistent binning/color
- Field cuttable every 20" nominal and connectable
- Dimmable
- Limited 2 Year Warranty

IP67 MAXX LED Light
Suitable For Wet Locations

Standard *(Up To 152 Lumens Per Foot / 2835 Chip 60 Pcs/Meter)*

7/16" | 1/4"
Chip Spacing: 5/8"

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
*Cool White *CW & Warm White *WW*				
MXL60-28-*3	33'	600	60	164'
MXL60-28-*5	82'	1500	148	164'
MXL60-28-*6	164'	3000	295	164'

Lighting Specifications

Color Temperature	CW: 6500K WW: 3000K
Beam Spread	120°
Lumens	MXL60-28-*: 152 per ft. MXL140-28-*: 320 per ft.
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	2835

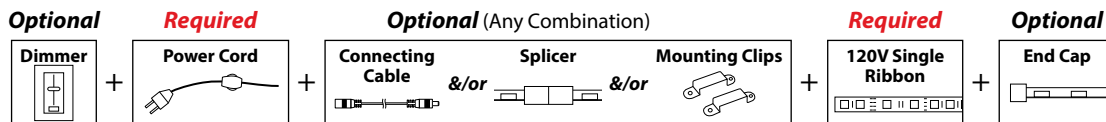## Ultra Bright *(Up To 320 Lumens Per Foot / 2835 Chip 140 Pcs/Meter)*

7/16" | 1/4"
Chip Spacing: 1/8"

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
*Cool White *CW & Warm White *WW*				
MXL140-28-*3	33'	1400	103	164'
MXL140-28-*5	82'	3500	256	164'
MXL140-28-*6	164'	7000	512	164'

(Warning: If using 120V Ribbon Flex outdoors, be sure to use waterproof PVC or silicon to secure all connections and power cords)

Our MAXX LED Light products are ETL certified and warranted as non-cuttable. If a customers does cut the product, they do so at their own risk.

Optional
Dimmer

+

Required
Power Cord

+

Optional (Any Combination)
Connecting Cable **&/or** Splicer **&/or** Mounting Clips

+

Required
120V Single Ribbon

+

Optional
End Cap

Power Cord *(Additional Quantities Optional)*

MXL28-PC   **Length: 5'**

legrand Dimmer Switches *(Optional)*

Input & Output Cords: 5.875" • Range of Dimming: 0-100% • Mounting: Wall

sofTap
Touch Switch With Touch Slide Dimmer

LGD120-DIMST-MG
(Magnesium)

LGD120-DIMST-WH
(White)

For More Options, Product Details & Wall Plates, See Pages R-138~140

Connecting Cables *(Optional)*

Function: Allows the designer to get around unlit areas without multiple power supplies

Part #	Finish	Length
MXL28-CC05M	White	19"
MXL28-CC-1M	White	39"

End Cap *(Optional)*

MXL28-END

Splicer *(Optional)*

MXL28-SPL

Mounting Clips *(Optional)*

MXL28-MNT

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons
For A Full Line Of Our Mounting Channels, See Pages R-53~63

2-Way L Connector *(Optional)*

MXL28-2L

3-Way T Connector *(Optional)*

MXL28-3T

120V

High Light Output

ETL

120V PLUG
NO POWER SUPPLY NEEDED!

Brite Light Flex Color Changing (RGB: Indoor/Outdoor): *No Power Supply / Amplifiers Needed!*

Can Run Up To 164 Ft. On One Power Cord
Available Lengths: 33', 82' & 164'
Material: Flexible PVC

Recognized as the most versatile and brightest RGB LED Ribbon Lighting on the market today, Outwater has expanded its offering with the introduction of the new super bright 120V RGB LED variant.

With no fixtures to hide, Outwater's 120V RGB LED Ribbon Flex Lighting can be easily mounted in all of those "hard to light" areas or virtually anyplace that could not be previously lit, and is perfectly suited for illuminating any type of indoor or outdoor application.

• Ideal for applications in which longer lengths are desired
• Consistent binning/color
• Includes factory installed end cap
• Power and controller included

IP65 Brite Lite Flex: Color Changing RGB
Provides Protection From Dust & Splashing Water, Not Submersible

7 Colors From One Lighting Source

Standard Color Changing RGB *(Up To* **190** *Lumens Per Foot / 5050 Chip 60 Pcs/Meter)*

| 5/8" |
| . . | 3/8"

Part #	Color Temp	Length	# Of LED Chips	Total Wattage	Max # Can Connect
DRL33-5060-RGB	RGB	33'	600	80	33'
DRL82-5060-RGB	RGB	82'	1500	200	82'
DRL164-5060-RGB	RGB	164'	3000	400	164'

Lighting Specifications

Beam Spread	120°
Lumens	Red: 190 per ft. Green: 144 per ft. Blue: 160 per ft.
Rated Average Life	35,000 hrs.
Constant	Voltage
Chip Size	SMD5050

Our Brite Light Flex Color Changing products are ETL certified and warranted as non-cuttable. If a customers does cut the product, they do so at their own risk.

Power & Controller Included

Works with
DRL33-5060-RGB & DRL82-5060-RGB

Works with DRL164-5060-RGB

Optional
Mounting Clips

+

Required
120V Single Ribbon

+

Optional
End Cap

Mounting Clips *(Optional)*

DRL-50MNT

End Cap *(Optional)*

DRL-50END

Universal LED Ribbon Mounting Channels
Aluminum Channels That Work With Our Ribbons
For A Full Line Of Our Mounting Channels, See Pages R-53~63

120V c(ETL)us

Non-Neon Lighting

Replaces Glass Neon Tubes
Material: PVC

IP65 Non-Neon Lighting
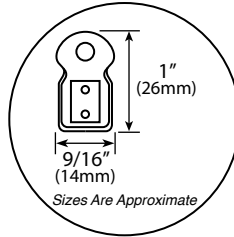Provides Protection From Dust & Splashing Water, Not Submersible

PRODUCT FEATURES:

For Interior & Exterior!
• More economical option for signage and interior design.

1"
(26mm)

9/16"
(14mm)
Sizes Are Approximate

Energy Efficient!
• This unique LED product will save you up to 70% or more on your energy costs!
• Very low consumption
• Low heat - cool to the touch!

Long Life Rating and Durability!
• The LED's are rated to last up to 50,000 hours.
• Virtually unbreakable
• Unique, flexible, and soft PVC jacket, is durable and impervious to the elements.
• 100% water resistant when properly sealed.

Commercial Quality & Superior Brightness!
- **NO HOT SPOTS!**
This product provides a neon and fiber optic light brightness.

Flexible and Easy to Use!
• Standard 120V - no drivers or transformers are necessary, just plug into the wall!
• Field cuttable- 120V every 19.68" & 24V every 4"
• Field bendable. This product can be bent to a minimum radius of 2" - 3-1/8".
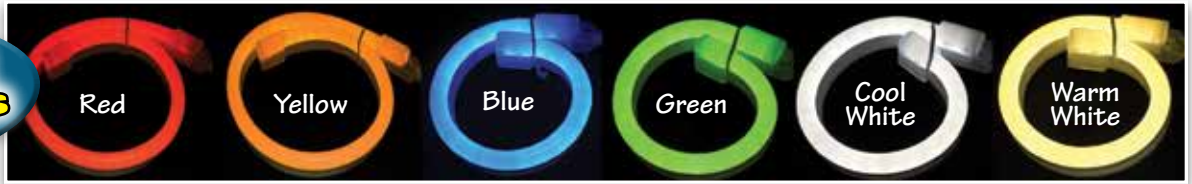• Various connector options are available for diverse applications.

When Off This Light Has A Milky White Cover

Field Cuttable
See charts on next page for cut lengths.

Non-Neon Lighting

Replaces Glass Neon Tubes
Material: PVC

6 Vivid colors

| Red | Yellow | Blue | Green | Cool White | Warm White |

33 FT. ROLL: INCLUDES FACTORY SEALED POWER CORD & END CAP			
Part #	**Cut Increments**	**Watts Per Foot**	**LED Color**
NZL120-33B-RD	20"	3	Red
NZL120-33B-YE	20"	3	Yellow
NZL120-33B-BL	20"	3	Blue
NZL120-33B-GR	20"	3	Green
NZL120-33B-CW	20"	3	Cool White
NZL120-33B-WW	20"	3	Warm White

82 FT. ROLL: INCLUDES FACTORY SEALED POWER CORD & END CAP			
Part #	**Cut Increments**	**Watts Per Foot**	**LED Color**
NZL120-82B-RD	20"	3	Red
NZL120-82B-YE	20"	3	Yellow
NZL120-82B-BL	20"	3	Blue
NZL120-82B-GR	20"	3	Green
NZL120-82B-CW	20"	3	Cool White
NZL120-82B-WW	20"	3	Warm White

164 FT. ROLL: INCLUDES FACTORY SEALED POWER CORD & END CAP			
Part #	**Cut Increments**	**Watts Per Foot**	**LED Color**
NZL120-164B-RD	20"	3	Red
NZL120-164B-YE	20"	3	Yellow
NZL120-164B-BL	20"	3	Blue
NZL120-164B-GR	20"	3	Green
NZL120-164B-CW	20"	3	Cool White
NZL120-164B-WW	20"	3	Warm White

**Our Non-Neon Lighting products are ETL certified and warranted as non-cuttable.
If a customers does cut the product, they do so at their own risk.**

**120V** ⒸETLUS

Accessories for Non-Neon Lighting

Required		*Required*		*Optional* (Any Combination)			*Required*
Power Cord	+	**Color Jacket**	+	**Connecting Cable** &/or **Connector** &/or **Heat Shrink**			+ **End Cap**
See Page R-7		*See Page R-6*		*See Page R-7* / *See Page R-7* / *See Page R-7*			*If cutting end cap is required*
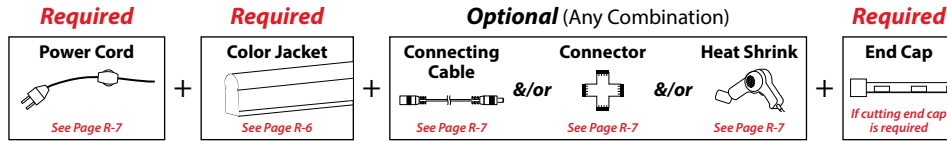
ACCESSORIES FOR NON-NEON FLEXIBLE LED LIGHTING

	Part #	Description
A	NZL-1426-PWR	1.65 Ft. Long Powercord *(Required)*
B	NZL-1426-2JN	2 Ft. Long Connecting Cable *(Optional)*
C	NZL-1426-6JN	6 Ft. Long Connecting Cable *(Optional)*
D	NZL-1426-2L	L Connector: 2 Way - Pins Included *(Optional)*
E	NZL-1426-3T	T Connector: 3 Way - Pins Included *(Optional)*
F	NZL-1426-SPL	2 in. Long Heat Shrink With Splicing Pin To Fit PVC Tubing *(Optional)*
G	NZL-1426-END	End Cap *(Required If Cutting)*
H	NZL-1426-MNT	2″ Long Plastic Mounting Clip *(Optional)*
I	NZL-1426-CH2	2″ Long Aluminum Mounting Clip *(Optional)*
J	CT-2000	Multi Purpose Cutter w/5 Interchangeable Anvils & Storage Case *(Optional)*

* Seal w/GE Silicone or Equivalent

A
B
C
D
E
F
G
H
I
J
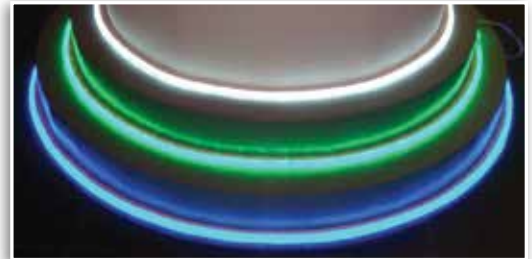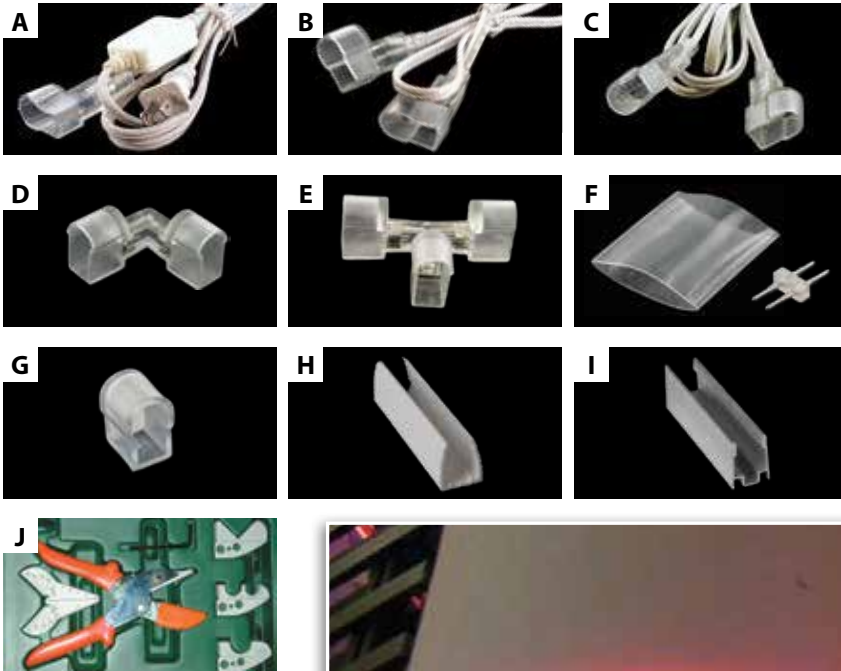
Mini Non-Neon Lighting

Replaces Glass Neon Tubes: *Sold in 33' Coils*

Material: PVC

- Field Cuttable Every 4"
- Rated 50,000 Hours
- For interior signage & interior design
- Extremely Flexible- Bend into letters and shapes. Can be bent to a minimum radius of 1.9" - 3.15".
- Energy Saving
- Virtually Unbreakable- Extremely durable. Crush resistant up to 450 psi.

5/8" (16mm)

3/8" (10mm)

Sizes Are Approximate
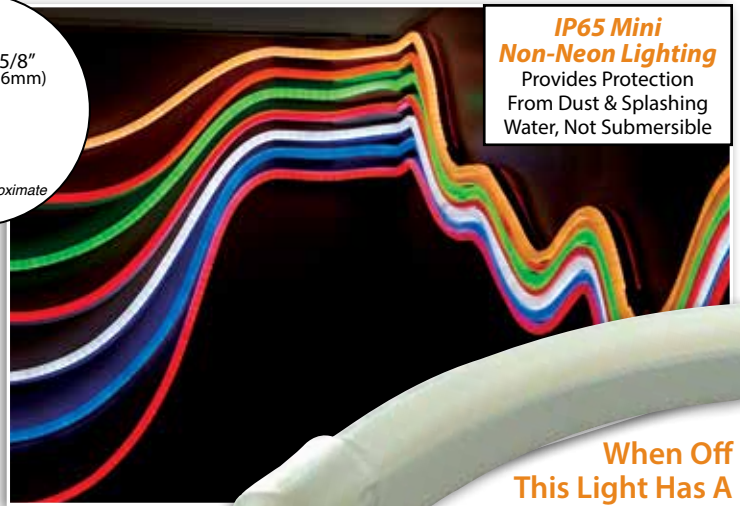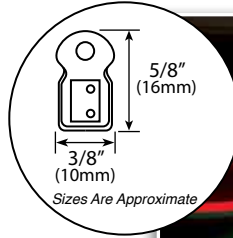
IP65 Mini Non-Neon Lighting Provides Protection From Dust & Splashing Water, Not Submersible

When Off This Light Has A Milky White Cover

6 Vivid colors

Red

Yellow

Blue

Green

Cool White

Warm White

Extremely Flexible

Field Cuttable

See chart below for cut lengths.

Virtually Unbreakable

33' ROLL: INCLUDES FACTORY SEALED POWER CORD & END CAP *(MUST BE HARDWIRED)*			
Part #	Cut Increments	Watts Per Foot	LED Color
NZL24-1016-33RD	4"	3	Red
NZL24-1016-33YE	4"	3	Yellow
NZL24-1016-33BL	4"	3	Blue
NZL24-1016-33GR	4"	3	Green
NZL24-1016-33CW	4"	3	Cool White
NZL24-1016-33WW	4"	3	Warm White

Our Mini Non-Neon Lighting products warranted as non-cuttable. If a customers does cut the product, they do so at their own risk.
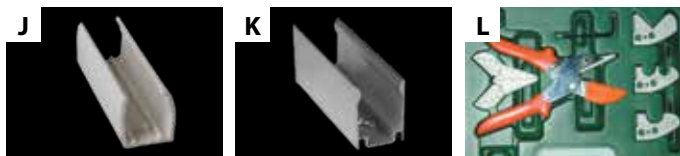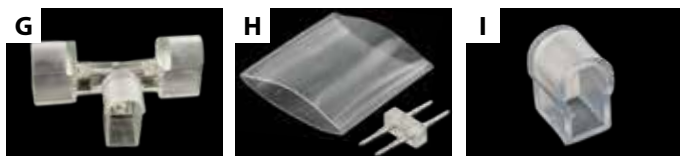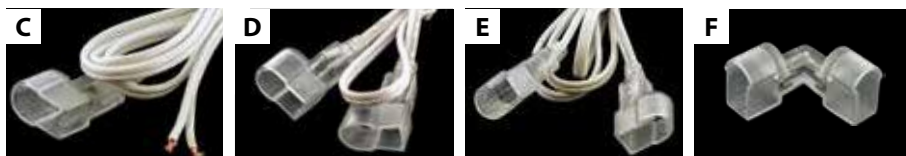
Accessories for Mini Non-Neon Lighting

Required	*Required*	*Optional* (Any Combination)	*Required*
Power Supply **Power Cord**	**Color Jacket**	**Connecting Cable** &/or **Connector** &/or **Heat Shrink**	**End Cap**
&			
See Page R-9 *See Page R-9*	*See Page R-8*	*See Page R-9* *See Page R-9* *See Page R-8*	*If cutting end cap is required*
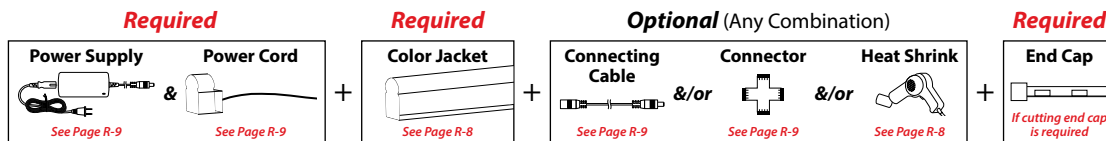
HARDWIRE POWER SUPPLIES *(Required)*

	Part #	Dimensions	Voltage	Watts	Amps	Input Cord	Output Cord	Constant
A	LED-24V-2.5A-HW	7.5″ x 1.88″ x 1.33″	24	60	2.5	10.5″	10.5″	Voltage
B	LED-24V-4A-HW	8.74″ x 2.71″ x 1.69″	24	96	4	10.5″	10.5″	Voltage
C	LED-24V-8.3A-HW	9.84″ x 3.11″ x 2″	24	199	8.3	10.5″	10.5″	Voltage

A

B

C

ACCESSORIES FOR NON-NEON FLEXIBLE LED LIGHTING

	Part #	Description
C	NZL-1016-PWR	1.65 Ft. Long Powercord *(Required)*
D	NZL-1016-2JN	2 Ft. Long Connecting Cable *(Optional)*
E	NZL-1016-6JN	6 Ft. Long Connecting Cable *(Optional)*
F	NZL-1016-2L	L Connector: 2 Way - Pins Included *(Optional)*
G	NZL-1016-3T	T Connector: 3 Way - Pins Included *(Optional)*
H	NZL-1016-SPL	2 in. Long Heat Shrink With Splicing Pin To Fit PVC Tubing *(Optional)*
I	NZL-1016-END	End Cap *(Required If Cutting)*
J	NZL-1016-MNT	2″ Long Plastic Mounting Clip *(Optional)*
K	NZL-1016-CH2	2″ Long Aluminum Mounting Clip *(Optional)*
L	CT-2000	Multi Purpose Cutter w/5 Interchangeable Anvils & Storage Case *(Optional)*

* Seal w/GE Silicone or Equivalent

C

D

E

F

G

H

I

J

K

L

So Simple!

Pieces fit together to connect lengths & easily combine colors.

Use channel to keep light straight.

Aluminum channel (NZL-1016-CH2).

Cut the aluminum channel (SHF-A625) into chicklets to create letters and shapes.

Create A Sign In No Time!

Our Mini Non-Neon Lighting products warranted as non-cuttable. If a customers does cut the product, they do so at their own risk.

12V

Medium To High Light Output

UL **Power Supply**

Standard 12V Ribbon Flex: *Most Economical LED Ribbon*

Available Lengths: 8.25' & 16.4'
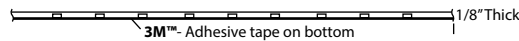*Material: Flexible Silicon Cover with Adhesive*

AM
PW
CW
WW

Special Feature
Ribbon has 2- 7" female ends (DC 5.5) so it can be cut to size and then the remaining piece can be used for another project

7" Cable With DC5.5

7" Cable With DC5.5

2 Options Available

IP65 Standard 12V Ribbon
Provides Protection From Dust & Splashing Water, Not Submersible

IP20 Standard 12V Ribbon
Provides Low Protection of Dust & Water

ECO12-*3560-* *(Up To 136 Lumens Per Foot)*

Shown IP65

Cutting Increments Every 3rd Chip (Approximately: 1-7/8")

11/16"

5/16" Wide

1/8" Thick

3M™- Adhesive tape on bottom

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW, Pure White *PW & Amber *AM)				
ECO12-N3560-8-*	8.25'	150	12	33'
ECO12-N3560-16-*	16.4'	300	24	33'
IP20 (Cool White *CW, Warm White *WW, Pure White *PW & Amber *AM)				
ECO12-I3560-8-*	8.25'	150	12	33'
ECO12-I3560-16-*	16.4'	300	24	33'

Lighting Specifications

Color Temperature	CW: 5500K WW: 2800K-3200K PW: 4200K AM: 2300K
Beam Spread	120º
Lumens	110-136 per ft.
Color Rendering Index	CW: 75 WW: 80 PW: 75 AM: 75
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	SMD3528

ECO12-*35120-* *(Up To 273 Lumens Per Foot)*

Shown IP65
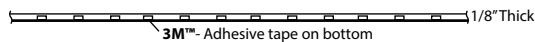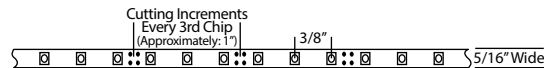
Cutting Increments Every 3rd Chip (Approximately: 1")

3/8"

5/16" Wide

1/8" Thick

3M™- Adhesive tape on bottom

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW, Pure White *PW & Amber *AM)				
ECO12-N35120-8-*	8.25'	300	24	33'
ECO12-N35120-16-*	16.4'	600	48	33'
IP20 (Cool White *CW, Warm White *WW, Pure White *PW & Amber *AM)				
ECO12-I35120-8-*	8.25'	300	24	33'
ECO12-I35120-16-*	16.4'	600	48	33'

Lighting Specifications

Color Temperature	CW: 5500K WW: 2800K-3200K PW: 4200K AM: 2300K
Beam Spread	120º
Lumens	252-273 per ft.
Color Rendering Index	CW: 75 WW: 80 PW: 75 AM: 75
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	SMD3528

UL Power Supply | Medium To High Light Output | 12V

Standard 12V Ribbon Flex: *Most Economical LED Ribbon*

ECO12-*5060-* *(Up To 382 Lumens Per Foot)*

Shown IP20

Cutting Increments Every 3rd Chip (Approximately: 1-7/8")

11/16"

3/8" Wide

3M™- Adhesive tape on bottom

1/8" Thick

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW, Pure White *PW & Amber *AM)				
ECO12-N5060-8-*	8.25'	150	36	23'
ECO12-N5060-16-*	16.4'	300	72	23'
IP20 (Cool White *CW, Warm White *WW, Pure White *PW & Amber *AM)				
ECO12-I5060-8-*	8.25'	150	36	23'
ECO12-I5060-16-*	16.4'	300	72	23'
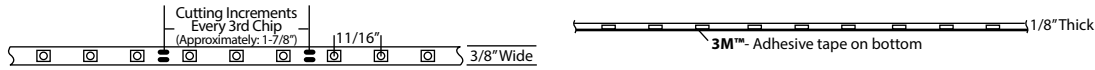
Lighting Specifications

Color Temperature	CW: 5500K WW: 2800-3200K PW: 4200K AM: 2300K
Beam Spread	120°
Lumens	341-382 per ft.
Color Rendering Index	CW: 75 WW: 80 PW: 75 AM: 75
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	SMD5050

Accessories For Standard 12V Ribbon Flex

Required	**Optional** (Pick One Option)		**Optional**	**Optional** (Any Combination)			**Required**
Power Supply	Dimmer	Switch	Multi Output Cable	Connector	Connecting Cable	Power Linking Cable	Ribbon Flex
See Page R-11	See Page R-11	See Page R-145	See Page R-11	See Page R-12	See Page R-12	See Page R-12	See Pages R-10~11

+ | Dimmer *or* Switch | + | | Connector &/or Connecting Cable &/or Power Linking Cable | | | + |

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-1A	Wall Mount	1A	12V	12W	2.91"L x 1.61"W x 1.14"H
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery
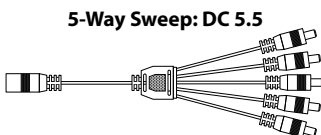
Optional

Dimmers

Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
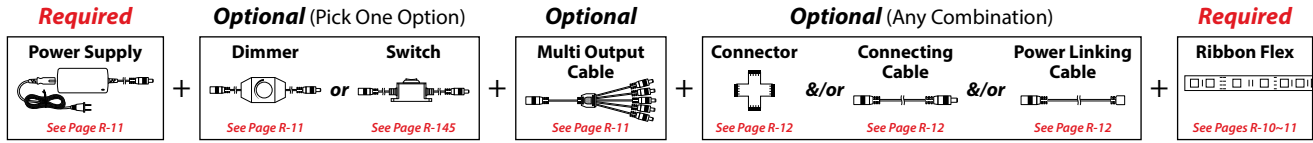*Other Options: Rotary | Touch Dimmer | Radio Frequency*

Multi Output Cables

2-Way Sweep: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
For Cut Pieces of Ribbon *(Power Linking Cable Required For Each Outlet)* **& DC 5.5 Connection**						
LED-2WAY-BK	2-Way Sweep	Black	3"	2	7"	2
LED-5OUT-CBL-BK	5-Way Sweep	Black	8-3/4"	5	19"	5
LED-SPIDER-CBL	3-Way Spider	Black	4-1/2"	3	96"	4

For More Extension Cable Options, See Page R-143

5-Way Sweep: DC 5.5

3-Way Spider: DC 5.5

Accessories For Standard 12V Ribbon Flex

Required	*Optional* (Pick One Option)	*Optional*	*Optional* (Any Combination)	*Required*
Power Supply	**Dimmer** *or* **Switch**	**Multi Output Cable**	**Connector** &/or **Connecting Cable** &/or **Power Linking Cable**	**Ribbon Flex**
See Page R-11	*See Page R-11* / *See Page R-145*	*See Page R-11*	*See Page R-12* / *See Page R-12* / *See Page R-12*	*See Pages R-10~11*

Optional

End-To-End For 100% Usable Connections
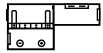
Part #	Works With	Description	# of Pins
ECO12V-35-100U-EE	3528	Usable connection directly connects 2 cut pieces	2
LED-RIBBON-100U-EE	5050		4

Power Linking Cable
Required for multi output cables or cut pieces of ribbon.
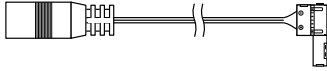
100% Usable

Part #	Works With	Description	Overall Length	Finish
For Cut Pieces of Ribbon				
ECO12V-35-100U-PL	3528	Power Link Cable with 100% Usable Connection	18"	Black
LED-RIBBON-100U-PL	5050		18"	Black

For Hardwire Power Linking Cables, See Page R-137

Connecting Cables
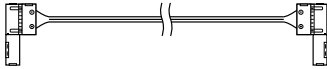
100% Usable

Hardwire to 100% Usable
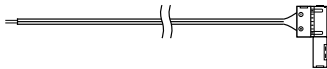
Part #	Works With	Description	Finish	Length
For Cut Pieces of Ribbon				
ECO12V-35-100U-C1	3528	Directly connect 2 cut pieces of ribbon while providing ability to get around unlit areas	Red/Black	24"
LED-RIBBON-100U-C1	5050		White	24"
ECO12V-35-100U-C2	3528		Red/Black	36"
LED-RIBBON-100U-C2	5050		White	36"
Hardwire				
ECO12V-35-100U-ST	3528	Hardwire power supply or dimmer to cut pieces	Red/Black	79"
LED-RIBBON-100U-ST	5050		White	79"

For More Extension Cable Options, See Pages R-141~142

Connectors
Connects ribbon at a 90° angle.

100% Usable

2-Way **3-Way** **4-Way**
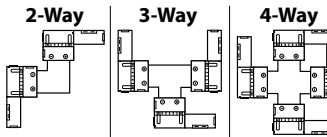
Part #	Works With	Description	# of Pins
For Cut Pieces of Ribbon				
ECO12V-35-2W-EE-C	3528	2-Way L	2
LED-RIBBON-2W-EE-C	5050		4
ECO12V-35-3W-EE-C	3528	3-Way T	2
LED-RIBBON-3W-EE-C	5050		4
ECO12V-35-4W-EE-C	3528	4-Way Cross	2
LED-RIBBON-4W-EE-C	5050		4

Mounting Clips
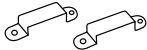
Part #	Works With	Description	Length
LED-3528-MC	3528	1 mounting clips & 2 screws	10mm
LED-5050-MC	5050	1 mounting clips & 2 screws	10mm

For More Mounting Clip Options, See Page R-145

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

L-TASK-1F
.43" / .43"
.71"

L-TASK-2F
.49" / .60"
.54" .54"
.23"

To See A Full Line Of Our Mounting Channels, See Pages R-53~63

12V | RGB | UL Power Supply
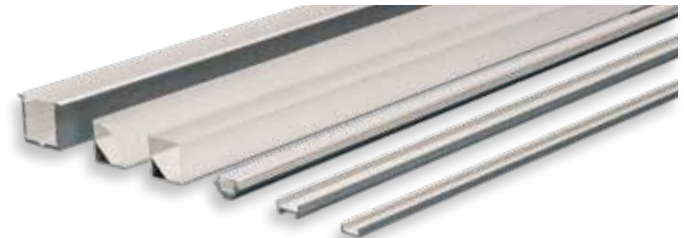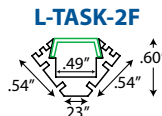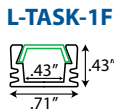
Standard 12V LED RGB Ribbon Flex: *Most Economical LED Ribbon*

Available Lengths: 8.25' & 16.4'
Material: Flexible White PCB with Adhesive

- Ideal for budget conscience applications
- Field trimmable
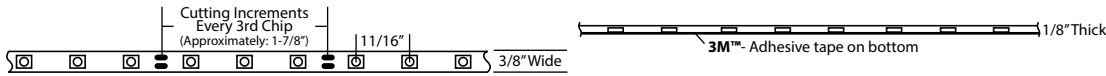
2 Options Available

IP65 Standard 12V RGB Ribbon
Provides Protection From Dust &
Splashing Water, Not Submersible

IP20 Standard 12V RGB Ribbon
Provides Low Protection of Dust & Water

Connect Ribbon Using Our 4 Pin Connecting System

Standard 12V LED RGB Ribbon Flex

Cutting Increments
Every 3rd Chip
(Approximately: 1-7/8")

11/16"

3/8" Wide

1/8" Thick

3M™- Adhesive tape on bottom

**4" Cable
With 4 Pin**

Part #	Color Temp	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65					
ECO12-N5060-8-RGB	RGB	8.25'	150	36	16.4'
ECO12-N5060-16-RGB	RGB	16.4'	300	72	16.4'
IP20					
ECO12-I5060-8-RGB	RGB	8.25'	150	36	16.4'
ECO12-I5060-16-RGB	RGB	16.4'	300	72	16.4'

Lighting Specifications

Beam Spread	120°
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	SMD5050

Accessories for Standard 12V LED RGB Ribbon Flex

Required

Power Supply & Controller
See Page R-13   *See Page R-13*

+

Optional (Any Combination)

Connector &/or Connecting Cable
See Page R-14   *See Page R-14*

+

Required

Ribbon Flex
See Page R-13

+

Optional

Amplifier
See Page R-14

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H
LED-12V-6A	Desktop	6A	12V	72W	4.68"L x 2.34"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
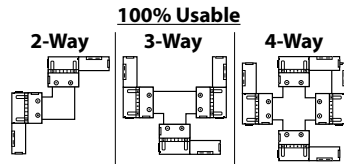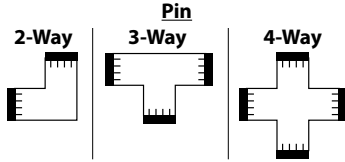*Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery*

Controllers

Part #	Description	Input Wire	Output Wire	Dimensions
LED-RGB36-CRP	Deluxe RGB controller with up to 25 color changing functions	Female DC 5.5: 18"	4 Pin Connection: 18"	4-3/8"L x 2-1/8"W x 1"H
LED-RGB36-INLINE	Super small RGB controller with up to 20 color changing functions	Female DC 5.5: 3-1/2"	4 Pin Connection	1-1/2"L x 1/2"W x 1/8"H

For Product Details & More Controller Options, See Pages R-146~149
Other Options: Radio Frequency | Sound Activated

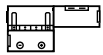**UL Power Supply** | **RGB** | **12V**

Optional

Connectors
Connects ribbon at a 90° angle.

Pin
2-Way | 3-Way | 4-Way

100% Usable
2-Way | 3-Way | 4-Way

Part #	Works With	Description	# of Pins
Pin Connection *(Pins Included)*			
LED-RIBBON-2W-C	RGB Ribbon	2-Way L	4
LED-RIBBON-3W-C	RGB Ribbon	3-Way T	4
LED-RIBBON-4W-C	RGB Ribbon	4-Way Cross	4
For Cut Pieces of Ribbon			
LED-RIBBON-2W-EE-C	RGB Ribbon	2-Way L	4
LED-RIBBON-3W-EE-C	RGB Ribbon	3-Way T	4
LED-RIBBON-4W-EE-C	RGB Ribbon	4-Way Cross	4

End To End For 100% Usable Connections

Part #	Works With	Description	# of Pins
LED-RIBBON-100U-EE	RGB Ribbon	Usable connection directly connects 2 cut pieces	4

Connecting Cables

Pin

100% Usable

Pin to 100% Usable

Part #	Works With	Description	Finish	Length
Pin Connection *(Pins Included)*				
LED-RIBBON-RGB-CON	RGB Ribbon	Allows the designer to get around unlit areas without multiple power supplies	Black	18"
LED-RIBBON-RGB-C24	RGB Ribbon		Black	24"
LED-RIBBON-RGB-C36	RGB Ribbon		Black	36"
For Cut Pieces of Ribbon				
LED-RIBBON-100U-R1	RGB Ribbon	Directly connect 2 cut pieces of ribbon while providing ability to get around unlit areas	Multi	24"
LED-RIBBON-100U-R2	RGB Ribbon		Multi	36"
Pin Connection *(Pin Included)* **To Cut Pieces of Ribbon**				
LED-RIBBON-100U-4P	RGB Ribbon	Directly connect pin to cut piece of ribbon to get around unlit areas	Multi	18"

Amplifiers

Part #	Description	Input Wire	Output Wire	Dimensions
LED-RIBBON-RGB-AMP	Is to extend the signal of an RGB controller when the power supply is exceeded. (Must purchase another power supply when using this product)	4 Pin Connection: 18"	4 Pin Connection: 18"	3-1/2"L x 2-1/2"W x 7/8"H
LED-RGBMIN-AMP		4 Pin Connection	4 Pin Connection	1-5/8"L x 1/2"W x 1/8"H

Mounting Clips

Part #	Works With	Description	Length
LED-5050-MC	RGB Ribbon	1 mounting clips & 2 screws	10mm

End-To-End For Pin Connections
Replacement parts- included with each ribbon & accessory

Part #	Works With	Description	# of Pins
LED-4P-CON	RGB Ribbon	Male to male connect end-to-end	4

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

To See A Full Line Of Our Mounting Channels, See Pages R-53~63

Thin 12V Ribbon Flex

Available Lengths: 8.25'
Material: Flexible White PCB with Adhesive

- **Super Bright: Up To 482 Lumens Per Ft.**
- **60% Smaller Than Anything On The Market**
- **Works With DIY: Brite Light Sheet**
  (See Pages R-107~108)
- **Easy To Hide**

Thinnest Ribbon On The Market... Only 4mm (.157")

Easy To Hide In Fixtures

2 Options Available

IP65 Thin 12V Ribbon	IP20 Thin 12V Ribbon
Provides Protection From Dust & Splashing Water, Not Submersible	Provides Low Protection of Dust & Water

7" Cable With DC5.5

7" Cable With DC5.5

Special Feature
Ribbon has 2 female ends (DC 5.5) so it can be cut to size and then the remaining piece can be used for another project

Standard Brightness *(Up To 292 Lumens Per Foot)*

Shown IP20
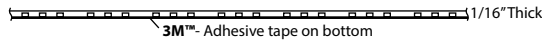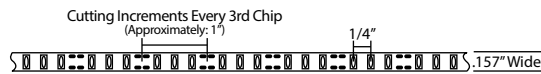
Cutting Increments Every 3rd Chip (Approximately: 1")

1/4"

.157" Wide

3M™- Adhesive tape on bottom

1/16" Thick

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW & Pure White *PW)				
SPT12-N30120-8-*	8.25'	300	24	13'
IP20 (Cool White *CW, Warm White *WW & Pure White *PW)				
SPT12-I30120-8-*	8.25'	300	24	13'

Lighting Specifications

Color Temperature	CW: 6300K PW: 4400K WW: 3200K
Beam Spread	120º
Lumens	272-292 per ft.
Color Rendering Index	80
Rated Average Life	20,000 hrs.
Constant	Voltage
Chip Size	SMD3014

Ultra Brightness *(Up To 482 Lumens Per Foot)*
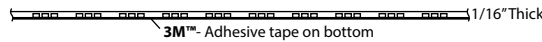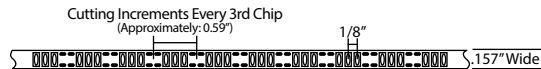
Shown IP20

Cutting Increments Every 3rd Chip (Approximately: 0.59")

1/8"

.157" Wide

3M™- Adhesive tape on bottom

1/16" Thick

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW & Pure White *PW)				
SPT12-N30198-8-*	8.25'	495	40	11.5'
IP20 (Cool White *CW, Warm White *WW & Pure White *PW)				
SPT12-I30198-8-*	8.25'	495	40	11.5'

Lighting Specifications

Color Temperature	CW: 6300K PW: 4400K WW: 3200K
Beam Spread	120º
Lumens	450-482 per ft.
Color Rendering Index	80
Rated Average Life	20,000 hrs.
Constant	Voltage
Chip Size	SMD3014

UL Power Supply | Super Bright Light Output | 12V

Accessories For Thin 12V Ribbon Flex

Required	*Optional* (Pick One Option)		*Optional*	*Required*
Power Supply	**Dimmer** **Switch**		**Multi Output Cable**	**Ribbon Flex**
See Page R-16	*See Page R-16* *or* *See Page R-145*		*See Page R-16*	*See Page R-15*

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-1A	Wall Mount	1A	12V	12W	2.91"L x 1.61"W x 1.14"H
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

---

Optional

Dimmers

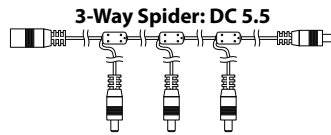| Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Multi Output Cables

2-Way Sweep: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
LED-2WAY-BK	2-Way Sweep	Black	3"	2	7"	2
LED-5OUT-CBL-BK	5-Way Sweep	Black	8-3/4"	5	19"	5
LED-SPIDER-CBL	3-Way Spider	Black	4-1/2"	3	96"	4

For More Extension Cable Options, See Page R-143

5-Way Sweep: DC 5.5

3-Way Spider: DC 5.5

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

To See A Full Line Of Our Mounting Channels, See Pages R-53~63

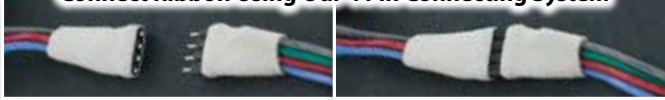**12V** | **RGB** | UL Power Supply

Thin 12V RGB Ribbon Flex

Available Lengths: 8.25' & 16.4'
Material: Flexible White PCB with Adhesive

- 60% Smaller Than Anything
- Works With Our DIY: Brite Light Sheet
  (See Pages R-107~108)
- Easy To Hide

Connect Ribbon Using Our 4 Pin Connecting System

Thinnest RGB Ribbon On The Market... Only 1/4"

2 Options Available

IP65 Thin 12V RGB Ribbon	IP20 Thin 12V RGB Ribbon
Provides Protection From Dust & Splashing Water, Not Submersible	Provides Low Protection of Dust & Water

Thin 12V LED RGB Ribbon Flex

Shown IP20

Cutting Increments Every 3rd Chip (Approximately: 2")
1/2"
1/4" Wide
1/8" Thick
3M™- Adhesive tape on bottom
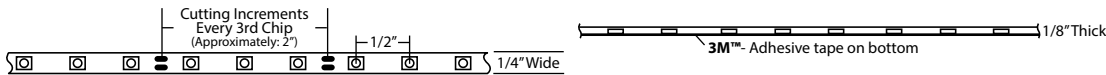
4" Cable With 4 Pin

Part #	Color Temp	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65					
SPT12-N3560-8-RGB	RGB	8.25'	150	36	23'
SPT12-N3560-16-RGB	RGB	16.4'	300	72	23'
IP20					
SPT12-3560-8-RGB	RGB	8.25'	150	36	23'
SPT12-3560-16-RGB	RGB	16.4'	300	72	23'

Lighting Specifications

Beam Spread	120°
Rated Average Life	20,000 hrs.
Constant	Voltage
Chip Size	SMD3535

Accessories for Standard 12V LED RGB Ribbon Flex

Required | *Required*

Power Supply   Controller   &   +   Ribbon Flex

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-1A	Wall Mount	1A	12V	12W	2.91"L x 1.61"W x 1.14"H
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Controllers

Part #	Description	Input Wire	Output Wire	Dimensions
LED-RGB36-CRP	Deluxe RGB controller with up to 25 color changing functions	Female DC 5.5: 18"	4 Pin Connection: 18"	4-3/8"L x 2-1/8"W x 1"H
LED-RGB36-INLINE	Super small RGB controller with up to 20 color changing functions	Female DC 5.5: 3-1/2"	4 Pin Connection	1-1/2"L x 1/2"W x 1/8"H

For Product Details & More Controller Options, See Pages R-146~149
Other Options: Radio Frequency | Sound Activated

UL Power Supply | **Medium To High Light Output** | **12V**

Edge of Light: *Light Is Directed To The Front or Back of Desired Lit Surface*

Available Lengths: 22.5" , 6' & 16.4'
Material: Flexible PVC Cover with Adhesive

- Commercial Grade
- Field Trimmable
- Dimmable
- IP65 suitable in damp locations, not submersible

WW
CW

IP65 Edge of Light
Provides Protection From Dust & Splashing Water, Not Submersible

Edge of Light *(Up To 125 Lumens Per Foot)*

2"
.596" distance between lights (Approx. 5/8")
Direction of Light
5/16" Wide
1/8" Thick
3M™- Adhesive tape on bottom

7" Cable With DC5.5

Special Feature
Ribbon has 2 female ends (DC 5.5) so it can be cut to size and then the remaining piece can be used for another project
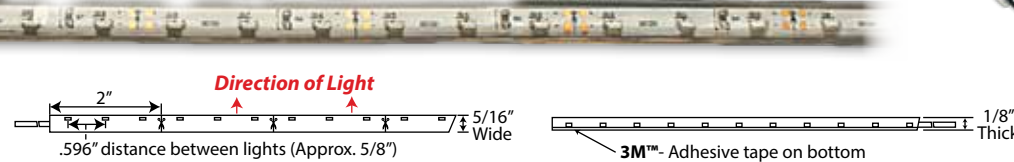
Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
*Cool White *CW & Warm White *WW*				
LED-EOL-12V-*	22.5"	40	4	32'
LED-EOL-12V-*6	6'	120	10	32'
LED-EOL-12V-*9	16.4'	330	27	32'

Required | **Optional** | **Required**

Power Supply + **Dimmer** + **Edge of Light**

Lighting Specifications

Color Temperature	CW: 5500K WW: 3300K
Beam Spread	120º
Lumens	CW: 125 per ft. WW: 113 per ft.
Color Rendering Index	CW: 75 WW: 80
Rated Average Life	40,000 hrs.
Constant	Voltage
Chip Size	SMD3020

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H
LED-12V-6A	Desktop	6A	12V	72W	4.68"L x 2.34"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Optional

Dimmers

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H
LED-INLINE-TCHDIM	Inline Touch	Black	0-100%	1-1/4"L x 3/4"W x 7/16"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

New' | **12V** | Super Bright Light Output | UL Power Supply

THN12 Thin Ribbon Flex Series

Available Lengths: 8.25' & 16.4'
Material: Flexible White PCB with Adhesive

- **223 Lumens Per Ft.**
- **Works With DIY: Brite Light Sheet**
  (See Pages R-107~108)
- **Easy To Hide**

IP20 Cut Per LED Ribbon
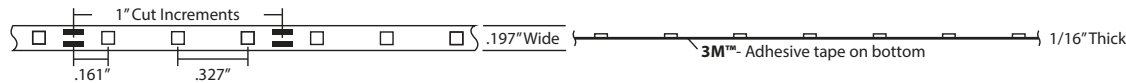Provides Low Protection of Dust & Water

Thin Ribbon... Only 5mm

Easy To Hide In Fixtures

7" Cable With DC5.5

Special Feature
Ribbon has 2 female ends (DC 5.5) so it can be cut to size and then the remaining piece can be used for another project

Lighting Specifications

Color Temperature	CW: 6000K-6500K PW: 4400K-4500K WW: 2800K-3000K
Beam Spread	120°
Lumens	223 per ft.
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	2216

120 Chip Version *(Up To 223 Lumens Per Foot)*

1" Cut Increments
.161" .327"
.197" Wide
3M™- Adhesive tape on bottom
1/16" Thick

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP20 (Cool White *CW, Warm White *WW & Pure White *PW)				
THN12-I22120-8*	8.25'	300	12.5	16.4'
THN12-I22120-16*	16.4'	600	25	16.4'

210 Chip Version *(Up To 223 Lumens Per Foot)*

1-5/16" Cut Increments
.091" 3/16"
.197" Wide
3M™- Adhesive tape on bottom
1/16" Thick
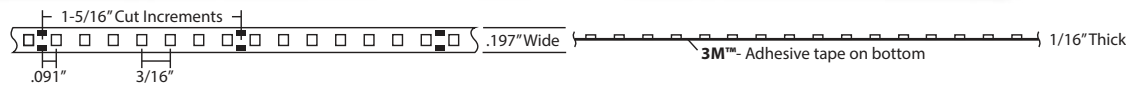
Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP20 (Cool White *CW, Warm White *WW & Pure White *PW)				
THN12-I22210-8*	8.25'	525	12.5	16.4'
THN12-I22210-16*	16.4'	1050	25	16.4'

UL Power Supply · **Super Bright Light Output** · **12V** · *New*

Accessories For Thin 12V Ribbon Flex

Required — **Power Supply** — *See Page R-20*

+

Optional (Pick One Option) — **Dimmer** *See Page R-20* **or** **Switch** *See Page R-20*

+

Optional — **Multi Output Cable** *See Page R-20*

+

Required — **Ribbon Flex** *See Page R-19*

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H

For Product Details & More Power Options, See Pages R-133~137

Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Optional

Dimmers

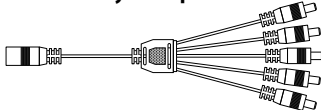| Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149

Other Options: Rotary | Touch Dimmer | Radio Frequency
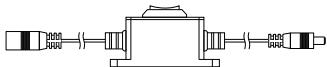
Multi Output Cables

2-Way Sweep: DC 5.5

5-Way Sweep: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
LED-2WAY-BK	2-Way Sweep	Black	3"	2	7"	2
LED-5OUT-CBL-BK	5-Way Sweep	Black	8-3/4"	5	19"	5

For More Extension Cable Options, See Page R-143

Switches

Part #	Description	Finish	Mounting	Dimensions
LED-SWITCH-3A/6A	On/Off	Black	Surface	2-1/4"L x 1"W x 3/4"H

For Product Details & More Switch Options, See Page R-145

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

To See A Full Line Of Our Mounting Channels, See Pages R-53~63

New! **12V** **RGB** **UL** Power Supply

THN12 RGB Thin Ribbon Flex Series

Available Lengths: 8.25' & 16.4'
Material: Flexible White PCB with Adhesive

- 60% Smaller Than Anything
- Works With Our DIY: Brite Light Sheet
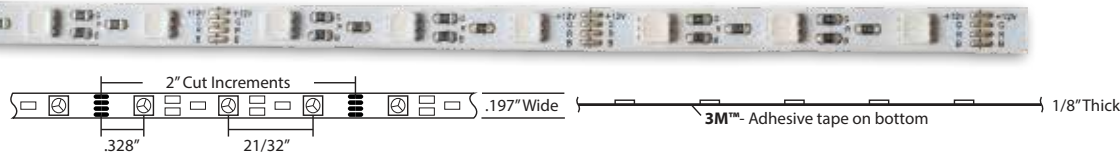 (See Pages R-107~108)
- Easy To Hide

IP20 Standard 12V RGB Ribbon
Provides Low Protection of Dust & Water

| WHITE | YELLOW | GREEN | CYAN | BLUE | PURPLE | RED |

Thin RGB Ribbon...
Only 5mm

7" BARE WIRE ENDS CONNECT DIRECTLY TO CONTROLLER

THN12 I3860 RGB Ribbon Flex

2" Cut Increments   .197" Wide   3M™- Adhesive tape on bottom   1/8" Thick
.328"   21/32"

Part #	Color Temp	Length	# Of LED Chips	Total Wattage	Max # Can Connect
THN12-I3860-8RGB	RGB	8.25'	150	12.5	16.4'
THN12-I3860-16RGB	RGB	16.4'	300	12.5	16.4'

THN12 I38120 RGB Ribbon Flex

1"   Cut Increments   .197" Wide   3M™- Adhesive tape on bottom   1/8" Thick
.164"   .328"
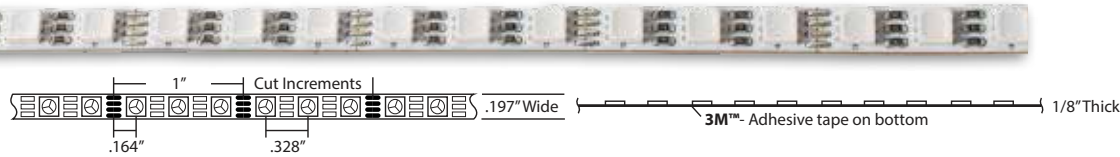
Part #	Color Temp	Length	# Of LED Chips	Total Wattage	Max # Can Connect
THN12-I38120-8RGB	RGB	8.25'	300	25	16.4'
THN12-I38120-16RGB	RGB	16.4'	600	25	16.4'
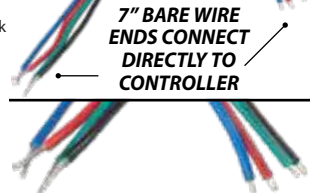
Lighting Specifications

Color Temperature	RGB
Beam Spread	120°
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	3838

Accessories for Standard 12V LED RGB Ribbon Flex

Required

Power Supply   Controller   &   + *Required* Ribbon Flex

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H
LED-12V-6A	Desktop	6A	12V	72W	4.68"L x 2.34"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Controllers

Part #	Description	Input Wire	Output Wire	Dimensions
LED-RGB36-CRP	Deluxe RGB controller with up to 25 color changing functions	Female DC 5.5: 18"	4 Pin Connection 18"	4-3/4"L x 2"W x 1"H
RF-RGB-CTRL-DT	RGB RF dimmer kit with desktop style controller and receiver	Female DC 5.5: 18"	Pin Connection 18"	4"L x 1.5"W x 1.8"H

For Product Details & More Controller Options, See Pages R-146~149
Other Options: Radio Frequency | Sound Activated

New' | **12V** | Medium To High Light Output | UL

RIB12 Ribbon Flex Series

Available Lengths: 8.25' & 16.4'
Material: Flexible Silicon Cover with Adhesive
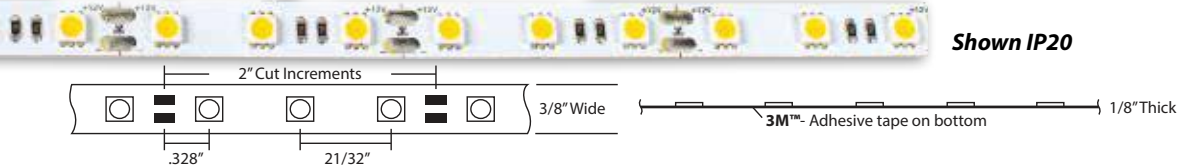
AM
GN
BL
RD
PW
CW
WW

Special Feature
Ribbon has 2- 7" female ends (DC 5.5) so it can be cut to size and then the remaining piece can be used for another project

2 Options Available

IP65 Standard 12V Ribbon
Provides Protection From Dust & Splashing Water, Not Submersible

IP20 Standard 12V Ribbon
Provides Low Protection of Dust & Water

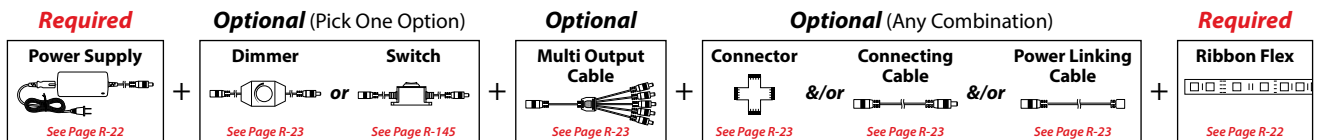### RIB12-*5060-* *(Up To 350 Lumens Per Foot)*

Shown IP20

7" Cable With DC5.5

2" Cut Increments
.328"
21/32"
3/8" Wide
1/8" Thick

3M™- Adhesive tape on bottom

Part #	Color Temp	Length	# Of LED Chips	Total Wattage	Max # Can Connect
		IP65			
RIB12-N5060-8*	*CW, *PW, *WW	8.25'	150	29	16.4'
RIB12-N5060-16*	*CW, *PW, *WW	16.4'	300	58	16.4'
RIB12-N5060-16AM	Amber	16.4'	300	58	16.4'
RIB12-N5060-16BL	Blue	16.4'	300	58	16.4'
RIB12-N5060-16GN	Green	16.4'	300	58	16.4'
RIB12-N5060-16RD	Red	16.4'	300	58	16.4'
		IP20			
RIB12-I5060-8*	*CW, *PW, *WW	8.25'	150	29	16.4'
RIB12-I5060-16*	*CW, *PW, *WW	16.4'	300	58	16.4'

Lighting Specifications

Color Temperature	CW: 6000K-6500K PW: 4000K-4500K WW: 2800K-3000K AM: 1800K-2000K
Beam Spread	120°
Lumens	350 per ft.
Color Rendering Index	CW: 80 PW: 80 WW: 80 AM: 80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	5050

Accessories For RIB12 Ribbon Flex Series

Required
Power Supply
See Page R-22

+

Optional (Pick One Option)
Dimmer or **Switch**
See Page R-23 | *See Page R-145*

+

Optional
Multi Output Cable
See Page R-23

+

Optional (Any Combination)
Connector &/or **Connecting Cable** &/or **Power Linking Cable**
See Page R-23 | *See Page R-23* | *See Page R-23*

+

Required
Ribbon Flex
See Page R-22

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H
LED-12V-6A	Desktop	6A	12V	72W	4.68"L x 2.34"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
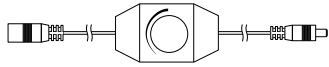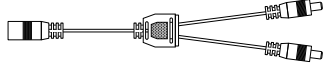*Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery*

UL · Medium To High Light Output · **12V** · *New!*

Optional

Dimmers

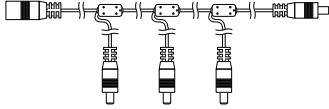| Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

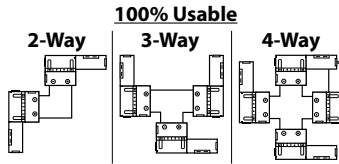### Multi Output Cables

2-Way Sweep: DC 5.5

4-Way Spider: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
For Cut Pieces of Ribbon *(Power Linking Cable Required For Each Outlet)* **& DC 5.5 Connection**						
LED-2WAY-BK	2-Way Sweep	Black	3"	2	7"	2
LED-SPIDER-CBL	4-Way Spider	Black	4-1/2"	3	96"	4

For More Extension Cable Options, See Page R-143

Connectors
Connects ribbon at a 90° angle.

100% Usable

2-Way   **3-Way**   **4-Way**

Part #	Works With	Description	# of Pins
For Cut Pieces of Ribbon			
RIB10-100U-2W	RGB Ribbon	2-Way L	2
RIB10-100U-3W	RGB Ribbon	3-Way T	2
RIB10-100U-4W	RGB Ribbon	4-Way Cross	2

End To End For
100% Usable Connections
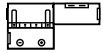
Part #	Works With	Description	# of Pins
RIB10-100U-EE	RGB Ribbon	Usable connection directly connects 2 cut pieces	2

Connecting Cables
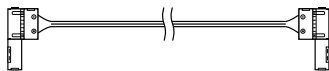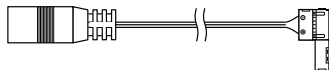
100% Usable

Hardwire to 100% Usable
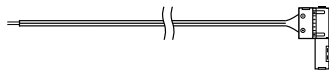
Part #	Works With	Description	Color	Length	# of Pins
Pin Connection *(Pins Included)*					
RIB10-100U-C1	RGB Ribbon	Lights areas without multiple power supplies	Black	24"	2
RIB10-100U-C2	RGB Ribbon		Black	36"	2
For 2 Cut Pieces of Ribbon					
RIB10-100U-ST	RGB Ribbon	100% Hardwire	Multi	79"	2

For More Extension Cable Options, See Pages R-141~142

Power Linking Cable
Required for multi output cables or cut pieces of ribbon.

100% Usable

Part #	Works With	Description	Overall Length	Finish	# of Pins
For Cut Pieces of Ribbon					
RIB10-100U-PL	RGB Ribbon	Power Link Cable with 100% Usable Connection	18"	Black	2

For Hardwire Power Linking Cables, See Page R-137

Mounting Clips

For IP20   **For IP65**

Part #	Works With	Description	Material	Size
LED-10MM-MC-IP20	RGB Ribbon	For IP20 Ribbon 1 mounting clip & screw	Plastic	3/8"
LED-10MM-MC-IP65	RGB Ribbon	For IP65 Ribbon 1 mounting clip & screw	Plastic	3/8"

For More Mounting Clip Options, See Page R-145

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

To See A Full Line Of Our Mounting Channels, See Pages R-53~63

New! | 12V | RGB | UL

RIB12 RGB Ribbon Flex Series

Available Lengths: 8.25' & 16.4'
Material: Flexible White PCB with Adhesive

• Ideal for budget conscience applications
• Field trimmable

2 Options Available

IP65 Standard 12V RGB Ribbon
Provides Protection From Dust &
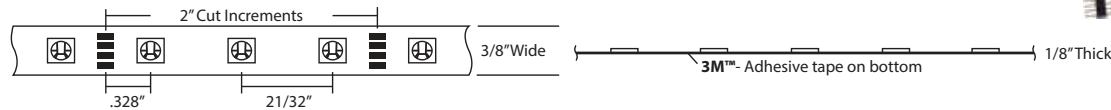Splashing Water, Not Submersible

IP20 Standard 12V RGB Ribbon
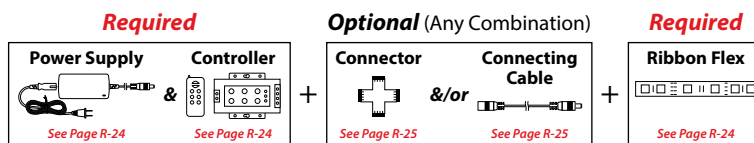Provides Low Protection of Dust & Water

| WHITE | YELLOW | GREEN | CYAN | BLUE | PURPLE | RED |

RIB12 RGB Ribbon Flex

Shown IP20

2" Cut Increments
.328"
21/32"
3/8"Wide
3M™- Adhesive tape on bottom
1/8"Thick

CONNECT RIBBON USING 4-PIN CONNECTORS (2 INCLUDED)

Part #	Color Temp	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65					
RIB12-N5060-8RGB	RGB	8.25'	150	29	16.4'
RIB12-N5060-16RGB	RGB	16.4'	300	58	16.4'
IP20					
RIB12-I5060-8RGB	RGB	8.25'	150	29	16.4'
RIB12-I5060-16RGB	RGB	16.4'	300	58	16.4'

Lighting Specifications

Color Temperature	RGB
Beam Spread	120º
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	5050

Accessories for RIB12 RGB Ribbon Flex Series

Required

Power Supply | Controller
&
See Page R-24 | *See Page R-24*

+

Optional (Any Combination)

Connector | Connecting Cable
&/or
See Page R-25 | *See Page R-25*

+

Required

Ribbon Flex
See Page R-24

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H
LED-12V-6A	Desktop	6A	12V	72W	4.68"L x 2.34"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery
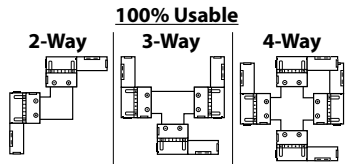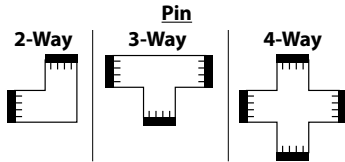
Controllers

Part #	Description	Input Wire	Output Wire	Dimensions
LED-RGB36-CRP	Deluxe RGB controller with up to 25 color changing functions	Female DC 5.5: 18"	4 Pin Connection: 18"	4-3/8"L x 2-1/8"W x 1"H
LED-RGB36-INLINE	Super small RGB controller with up to 20 color changing functions	Female DC 5.5: 3-1/2"	4 Pin Connection	1-1/2"L x 1/2"W x 1/8"H

For Product Details & More Controller Options, See Pages R-146~149
Other Options: Radio Frequency | Sound Activated

Optional
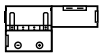
Connectors
Connects ribbon at a 90º angle.

Pin

2-Way 3-Way 4-Way

100% Usable

2-Way 3-Way 4-Way

Part #	Works With	Description	# of Pins
Pin Connection *(Pins Included)*			
LED-RIBBON-2W-C	RGB Ribbon	2-Way L	4
LED-RIBBON-3W-C	RGB Ribbon	3-Way T	4
LED-RIBBON-4W-C	RGB Ribbon	4-Way Cross	4
For Cut Pieces of Ribbon			
LED-RIBBON-2W-EE-C	RGB Ribbon	2-Way L	4
LED-RIBBON-3W-EE-C	RGB Ribbon	3-Way T	4
LED-RIBBON-4W-EE-C	RGB Ribbon	4-Way Cross	4

End To End For
100% Usable Connections

Part #	Works With	Description	# of Pins
LED-RIBBON-100U-EE	RGB Ribbon	Usable connection directly connects 2 cut pieces	4

Connecting Cables

Pin

100% Usable

Pin to 100% Usable

Part #	Works With	Description	Color	Length
Pin Connection *(Pins Included)*				
LED-RIBBON-RGB-CON	RGB Ribbon	Allows the designer to get around unlit areas without multiple power supplies	Black	18"
LED-RIBBON-RGB-C24	RGB Ribbon		Black	24"
LED-RIBBON-RGB-C36	RGB Ribbon		Black	36"
For Cut Pieces of Ribbon				
LED-RIBBON-100U-R1	RGB Ribbon	Directly connect 2 cut pieces of ribbon while providing ability to get around unlit areas	Multi	24"
LED-RIBBON-100U-R2	RGB Ribbon		Multi	36"
4 Pin Connection *(Pin Included)* **To Cut Pieces of Ribbon**				
LED-RIBBON-100U-RT	RGB Ribbon	22AWG	Multi	79"

Mounting Clips

For IP20 **For IP65**

Part #	Works With	Description	Material	Size
LED-10MM-MC-IP20	RGB Ribbon	For IP20 Ribbon 1 mounting clip & screw	Plastic	3/8"
LED-10MM-MC-IP65	RGB Ribbon	For IP65 Ribbon 1 mounting clip & screw	Plastic	3/8"

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

To See A Full Line Of Our Mounting Channels, See Pages R-53~63

New! **12V** Super Bright Light Output UL

DP12 Ribbon Flex Series

Available Lengths: 8.25' & 16.4' *(Nominal)*
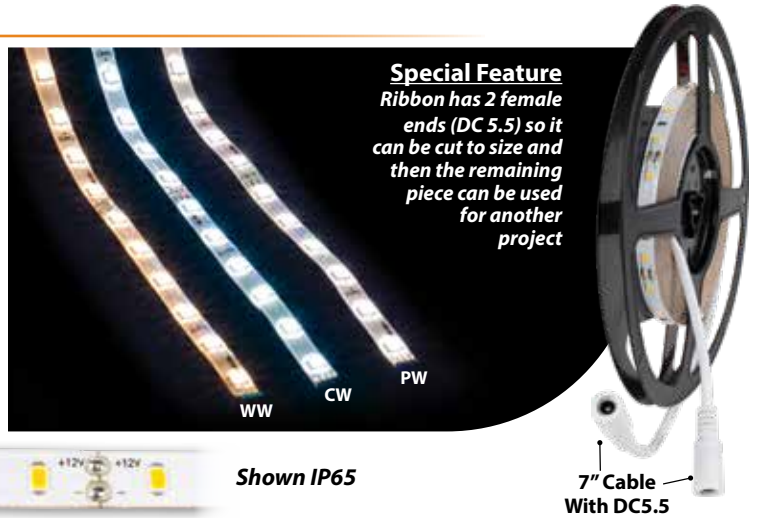*Material: Flexible White PCB with Adhesive*

2 Options Available

IP65 12V DP12 Ribbon
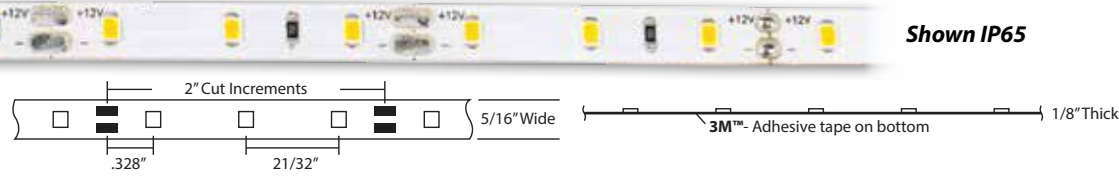Provides Protection From Dust & Splashing Water, Not Submersible

IP20 12V DP12 Ribbon
Provides Low Protection of Dust & Water

Special Feature
Ribbon has 2 female ends (DC 5.5) so it can be cut to size and then the remaining piece can be used for another project

WW   CW   PW

7" Cable With DC5.5

DP128-*2860-* *(Up To 209 Lumens Per Foot)*

Shown IP65

2" Cut Increments
.328"   21/32"
5/16" Wide
3M™- Adhesive tape on bottom
1/8" Thick

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW & Pure White *PW)				
DP128-N2860-8*	8.25'	150	14	16.4'
DP128-N2860-16*	16.4'	300	29	16.4'
IP20 (Cool White *CW, Warm White *WW & Pure White *PW)				
DP128-I2860-8*	8.25'	150	14	16.4'
DP128-I2860-16*	16.4'	300	29	16.4'

Lighting Specifications

Color Temperature	CW: 6000K-6500K PW: 4000K-4500K WW: 2800K-3000K
Beam Spread	120°
Lumens	CW: 209 per ft. PW: 206 per ft. WW: 200 per ft.
Color Rendering Index	90
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	2835

DP128-*28120-* *(Up To 318 Lumens Per Foot)*
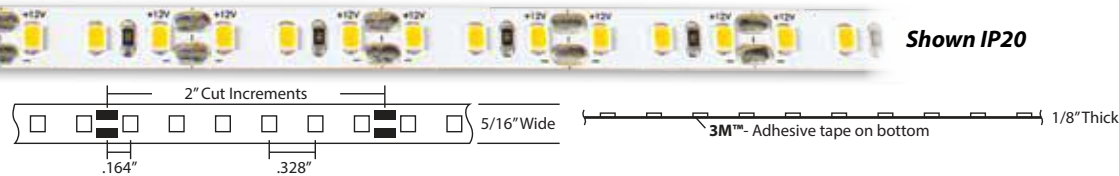
Shown IP20

2" Cut Increments
.164"   .328"
5/16" Wide
3M™- Adhesive tape on bottom
1/8" Thick

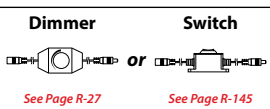| Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW & Pure White *PW)				
DP128-N28120-8*	8.25'	300	28	16.4'
DP128-N28120-16*	16.4'	600	58	16.4'
IP20 (Cool White *CW, Warm White *WW & Pure White *PW)				
DP128-I28120-8*	8.25'	300	28	16.4'
DP128-I28120-16*	16.4'	600	58	16.4'

Lighting Specifications

Color Temperature	CW: 6000K-6500K PW: 4000K-4500K WW: 2800K-3000K
Beam Spread	120°
Lumens	CW: 318 per ft. PW: 317 per ft. WW: 310 per ft.
Color Rendering Index	90
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	2835

Accessories for DP12 Ribbon Flex Series

Required	*Optional* (Pick One Option)	*Optional*	*Optional* (Any Combination)	*Required*
Power Supply & **Power Linking Cable**	**Dimmer** or **Switch**	**Multi Output Cable**	**Connector** &/or **Connecting Cable**	**Ribbon Flex**
See Page R-26 See Page R-27	See Page R-27 See Page R-145	See Page R-27	See Page R-27 See Page R-27	See Page R-26

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H
LED-12V-6A	Desktop	6A	12V	72W	4.68"L x 2.34"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

UL | Super Bright Light Output | 12V | New!

Optional
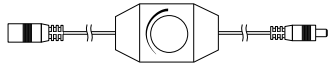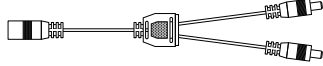
Dimmers

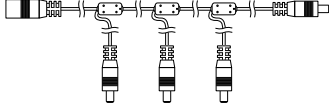| Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

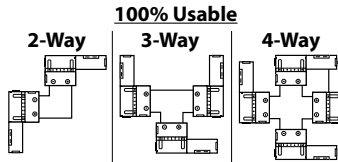## Multi Output Cables

2-Way Sweep: DC 5.5

4-Way Spider: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
For Cut Pieces of Ribbon *(Power Linking Cable Required For Each Outlet)* **& DC 5.5 Connection**						
LED-2WAY-BK	2-Way Sweep	Black	3"	2	7"	2
LED-SPIDER-CBL	4-Way Spider	Black	4-1/2"	3	96"	4

For More Extension Cable Options, See Page R-143

Connectors
Connects ribbon at a 90° angle.

100% Usable

2-Way   **3-Way**   **4-Way**

Part #	Works With	Description	# of Pins
For Cut Pieces of Ribbon			
RIB8-100U-2W	RGB Ribbon	2-Way L	2
RIB8-100U-3W	RGB Ribbon	3-Way T	2
RIB8-100U-4W	RGB Ribbon	4-Way Cross	2

End To End For
100% Usable Connections
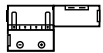
Part #	Works With	Description	# of Pins
RIB8-100U-EE	RGB Ribbon	Usable connection directly	2
RIB8-100U-EE-120	RGB Ribbon	connects 2 cut pieces	2
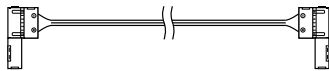
Connecting Cables

100% Usable

Hardwire to 100% Usable
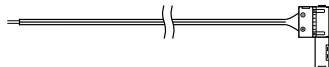
Part #	Works With	Description	Color	Length	# of Pins
Pin Connection *(Pins Included)*					
RIB8-100U-C1	RGB Ribbon	Lights areas without	Black	24"	2
RIB8-100U-C1-120	RGB Ribbon	multiple power supplies	Black	24"	2
RIB8-100U-C2	RGB Ribbon	Lights areas without	Black	36"	2
RIB8-100U-C2-120	RGB Ribbon	multiple power supplies	Black	36"	2
For 2 Cut Pieces of Ribbon					
RIB8-100U-ST	RGB Ribbon	100% Hardwire	Multi	79"	2

For More Extension Cable Options, See Pages R-141~142

Power Linking Cable
Required for multi output cables or cut pieces of ribbon.
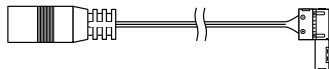
100% Usable

Part #	Works With	Description	Overall Length	Finish	# of Pins
For Cut Pieces of Ribbon					
RIB8-100U-PL	RGB Ribbon	Power Link Cable with 100% Usable Connection	18"	Black	2

For Hardwire Power Linking Cables, See Page R-137

Mounting Clips

For IP20   **For IP65**

Part #	Works With	Description	Material	Size
LED-8MM-MC-IP20	RGB Ribbon	For IP20 Ribbon 1 mounting clip & screw	Plastic	5/16"
LED-8MM-MC-IP65	RGB Ribbon	For IP65 Ribbon 1 mounting clip & screw	Plastic	5/16"

For More Mounting Clip Options, See Page R-145

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

**To See A Full Line Of Our Mounting Channels, See Pages R-53~63**

New! | **24V** | Super Bright Light Output | UL

LG24 Long Run Ribbon Flex Series

Available Length: 98.4'
Material: Flexible Silicone Cover with Adhesive

• Commercial Grade
• Field Trimmable
• Consumes Only a Few Watts Per Field Cuttable Strip
• 30,000 Hour Average Bulb Life
• Dimmable
• IP20 & IP65 Options
• No UV Radiation- Safe For Artwork
• Limited 2 Year Warranty

PW
CW
WW
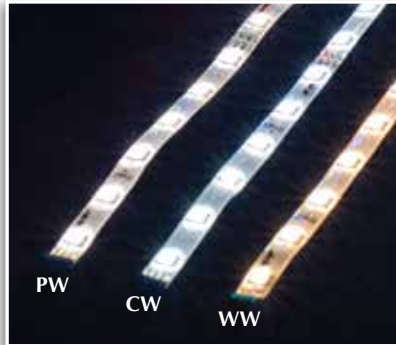
Shown IP65

7" BARE WIRE ENDS CONNECT DIRECTLY TO CONTROLLER

2 Options Available

IP65 Premium Ribbon
Provides Protection From Dust & Splashing Water, Not Submersible

IP20 Premium Ribbon
Provides Low Protection of Dust & Water

Single Ribbon Flex *(Up To 76 Lumens Per Foot)*

Shown IP65
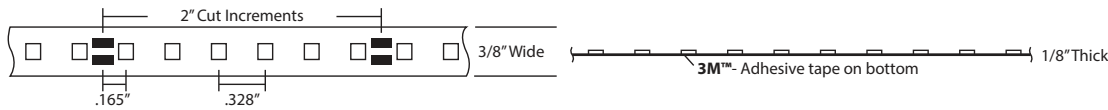
2" Cut Increments
.165"   .328"
3/8" Wide
1/8" Thick
3M™- Adhesive tape on bottom

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW, Pure White *PW)				
LG24-N28120-30M-*	98.4'	3600	120	98.4'
IP20 (Cool White *CW, Warm White *WW, Pure White *PW)				
LG24-I28120-30M-*	98.4'	3600	120	98.4'

Lighting Specifications

Color Temperature	CW: 6000K-6500K PW: 4000K-4500K WW: 2800K-3000K
Beam Spread	120º
Lumens	76 per ft.
Color Rendering Index	90
Rated Average Life	30,000 hrs.
Constant	Current
Chip Size	2835

Accessories for LG24 Long Run Ribbon Flex Series
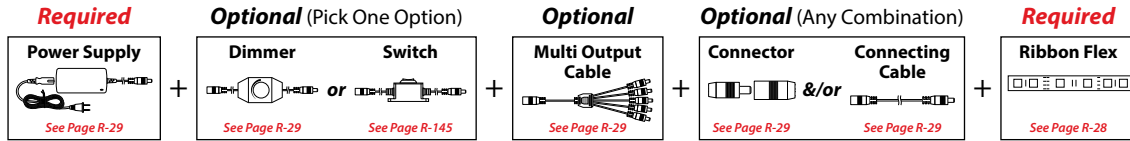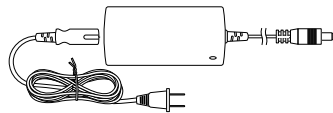
Required	Optional (Pick One Option)	Optional	Optional (Any Combination)	Required
Power Supply	**Dimmer** **Switch** *or*	**Multi Output Cable**	**Connector** **Connecting Cable** *&/or*	**Ribbon Flex**
See Page R-29	*See Page R-29* *See Page R-145*	*See Page R-29*	*See Page R-29* *See Page R-29*	*See Page R-28*

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-6A	Desktop	6A	24V	144W	6.77"L x 2.83"W x 1.57"H
LED-24V-8.3A-HW	Hardwire	8.3A	24V	199W	9.84"L x 3.11"W x 2"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Optional

Dimmers
A power linking cable required.

Part #	Description	Finish	Range of Dimming	Size
RF-CTRL-WT	Wall Style	White	10-100%	3.5" L x 1.37" W x 0.75" H
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
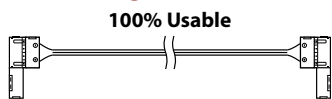*Other Options: Rotary | Touch Dimmer | Radio Frequency*

Connectors
For Use With Bare Wire Connections

Push Terminal
Male   *Female*

Screw Terminal
Male   *Female*

Part #	Descriptions	Function	Length
LED-5555-PM	Push Terminal Connector	DC 5.5 male to push terminal connector	1.5"
LED-5555-PF	Push Terminal Connector	DC 5.5 female to push terminal connector	1"
LED-5555-SM	Screw Terminal Connector	DC 5.5 male to screw terminal connector	1.5"
LED-5555-SF	Screw Terminal Connector	DC 5.5 female to screw terminal connector	1.5"

Connecting Cables
100% Usable

Part #	Works With	Description	Color	Length	# of Pins
Pin Connection *(Pins Included)*					
RIB10-100U-C1-120	RGB Ribbon	Lights areas without multiple power supplies	Black	24"	2
RIB10-100U-C2-120	RGB Ribbon		Black	36"	2

End To End For
100% Usable Connections
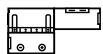
Part #	Works With	Description	# of Pins
RIB10-100U-EE-120	RGB Ribbon	Usable connection directly connects 2 cut pieces	2

Mounting Clips

For IP20   **For IP65**

Part #	Works With	Description	Material	Size
LED-10MM-MC-IP20	RGB Ribbon	For IP20 Ribbon 1 mounting clip & screw	Plastic	3/8"
LED-10MM-MC-IP65	RGB Ribbon	For IP65 Ribbon 1 mounting clip & screw	Plastic	3/8"

For More Mounting Clip Options, See Page R-145

New! | **24V** | **Super Bright Light Output**
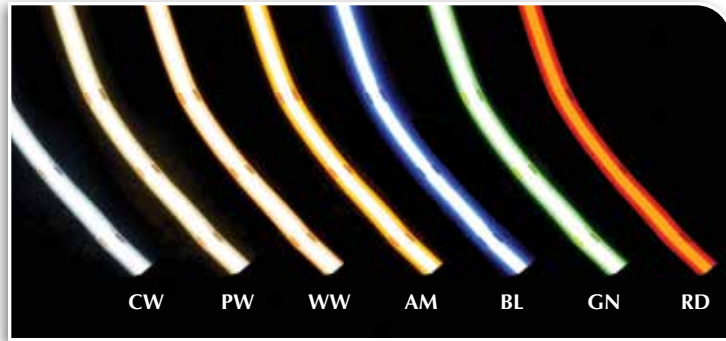
COB24 Ribbon Flex Series

Available Lengths: 8.25' & 16.4'
*Material: Flexible Silicone Cover with Adhesive*

• Commercial Grade
• Field Trimmable
• Consumes Only a Few Watts Per Field Cuttable Strip
• 30,000 Hour Average Bulb Life
• Dimmable
• No UV Radiation- Safe For Artwork
• Limited 2 Year Warranty

CW PW WW AM BL GN RD

IP20 Cut Per LED Ribbon
Provides Low Protection of Dust & Water

7" BARE WIRE ENDS CONNECT DIRECTLY TO CONTROLLER

COB244-I480-* *(Up To 299 Lumens Per Foot)*

2" Cut Increments | .157" Wide | 3M™- Adhesive tape on bottom | 1/8"Thick
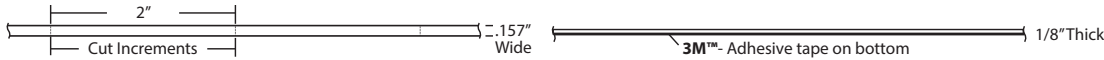
Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
*4mm IP20 (Cool White *CW, Warm White *WW, Pure White *PW)*				
COB244-I480-16*	16.4'	2400	25	16.4'

Lighting Specifications

Color Temperature	CW: 6000K-6500K PW: 4000K-4500K WW: 2800K-3000K
Beam Spread	180º
Lumens	CW: 299 per ft. PW: 283 per ft. WW: 256 per ft.
Color Rendering Index	90
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	COB

COB248-I480-* *(Up To 299 Lumens Per Foot)*

2" Cut Increments | 5/16"Wide | 3M™- Adhesive tape on bottom | 1/8"Thick

CW PW WW AM BL GN RD
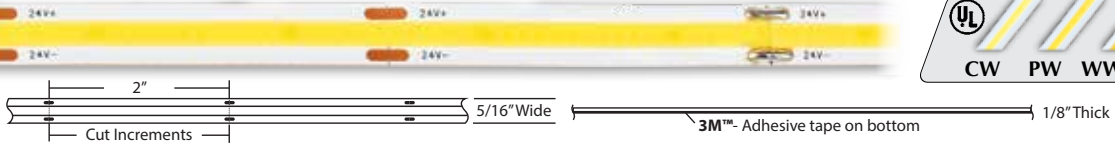
Part #	Color Temp	Length	# Of LED Chips	Total Wattage	Max # Can Connect
*8mm IP20 (Cool White *CW, Warm White *WW, Pure White *PW)*					
COB248-I480-8*	*CW, *PW, *WW	8.25'	1200	20	16.4'
COB248-I480-16*	*CW, *PW, *WW	16.4'	2400	40	16.4'
COB248-I480-16AM	Amber	16.4'	2400	50	16.4'
COB248-I480-16BL	Blue	16.4'	2400	50	16.4'
COB248-I480-16GN	Green	16.4'	2400	50	16.4'
COB248-I480-16RD	Red	16.4'	2400	50	16.4'

Lighting Specifications

Color Temperature	CW: 6000K-6500K PW: 4000K-4500K WW: 2800K-3000K AM: 1800K-2000K
Beam Spread	180º
Lumens	CW: 299 per ft. PW: 283 per ft. WW: 256 per ft.
Color Rendering Index	90
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	COB

COB2410-I480-* *(Up To 363 Lumens Per Foot)*
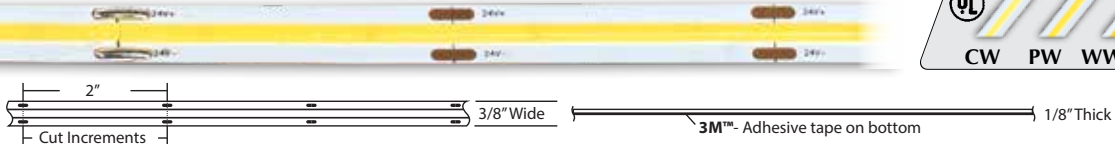
2" Cut Increments | 3/8"Wide | 3M™- Adhesive tape on bottom | 1/8"Thick

CW PW WW AM BL GN RD

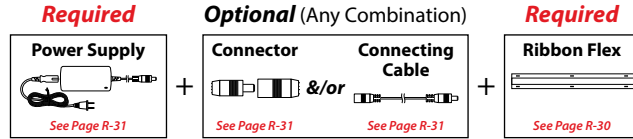| Part #	Color Temp	Length	# Of LED Chips	Total Wattage	Max # Can Connect
*10mm IP20 (Cool White *CW, Warm White *WW, Pure White *PW)*					
COB2410-I480-8*	*CW, *PW, *WW	8.25'	1200	30	16.4'
COB2410-I480-16*	*CW, *PW, *WW	16.4'	2400	60	16.4'
COB2410-I480-16AM	Amber	16.4'	2400	60	16.4'
COB2410-I480-16BL	Blue	16.4'	2400	60	16.4'
COB2410-I480-16GN	Green	16.4'	2400	60	16.4'
COB2410-I480-16RD	Red	16.4'	2400	60	16.4'

Lighting Specifications

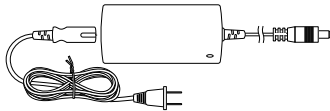|	
Color Temperature	CW: 6000K-6500K PW: 4000K-4500K WW: 2800K-3000K AM: 1800K-2000K
Beam Spread	180º
Lumens	CW: 363 per ft. PW: 343 per ft. WW: 311 per ft.
Color Rendering Index	90
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	COB

UL | Super Bright Light Output | 24V | New'

Accessories for COB24 Ribbon Flex Series

Required	Optional (Any Combination)		Required
Power Supply	**Connector**	**Connecting Cable**	**Ribbon Flex**
See Page R-31	*See Page R-31* &/or	*See Page R-31*	*See Page R-30*

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-4A	Desktop	4A	24V	96W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

---

Optional

Connectors
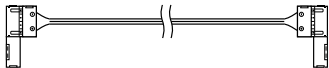*For Use With Bare Wire Connections*

Push Terminal
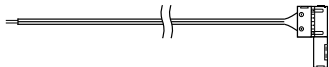*Male*   *Female*

Screw Terminal
Male   *Female*

| Part #	Descriptions	Function	Length
LED-5555-PM	Push Terminal Connector	DC 5.5 male to push terminal connector	1.5"
LED-5555-PF	Push Terminal Connector	DC 5.5 female to push terminal connector	1"
LED-5555-SM	Screw Terminal Connector	DC 5.5 male to screw terminal connector	1.5"
LED-5555-SF	Screw Terminal Connector	DC 5.5 female to screw terminal connector	1.5"

Connecting Cables

100% Usable

Hardwire to 100% Usable

Part #	Works With	Description	Color	Width	Length	# of Pins
		Pin Connection *(Pins Included)*				
COB8-100U-C1	COB Ribbon	Lights areas without multiple power supplies	Black	8mm	6"	2
COB10-100U-C1	COB Ribbon		Black	10mm	6"	2
		For 2 Cut Pieces of Ribbon				
COB8-100U-ST	COB Ribbon	100% Hardwire	Multi	8mm	6"	2
COB10-100U-ST	COB Ribbon		Multi	10mm	6"	2

For More Extension Cable Options, See Pages R-141~142

End To End For 100% Usable Connections
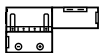
Part #	Works With	Width	Description	# of Pins
COB8-100U-EE	COB Ribbon	8mm	Usable connection directly connects 2 cut pieces	2
COB10-100U-EE	COB Ribbon	10mm		2

Mounting Clips

For IP65

Part #	Works With	Description	Material	Size
LED-8MM-MC-IP65	COB Ribbon	For IP65 Ribbon 1 mounting clip & screw	Plastic	5/16"
LED-10MM-MC-IP65	COB Ribbon		Plastic	3/8"

For More Mounting Clip Options, See Page R-145

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

To See A Full Line Of Our Mounting Channels, See Pages R-53~63

New! | 24V | Super Bright Light Output | UL
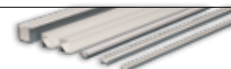
COB24 CCT Ribbon Flex Series

Versatile & field trimmable LED ribbon can be adapted to meet many design needs.
Can program color temperature ranges between 2800K-6000K.

Nominal Lengths: 16.4'
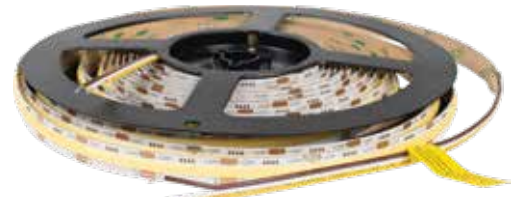*Material: Flexible White PCB with Adhesive*

• This NEW color changing temperature (CCT) provides greater energy efficiency and high lumens.
• 3M Adhesive Back
• Limited 3 Year Warranty

IP20 Cut Per LED Ribbon
Provides Low Protection of Dust & Water

CCT TECHNOLOGY

Warm White ← → Cool White

7" BARE WIRE ENDS CONNECT DIRECTLY TO CONTROLLER

COB2410-I640-16CCT *(Up To 363 Lumens Per Foot)*

2"
Cut Increments
3/8" Wide
3M™- Adhesive tape on bottom
1/8" Thick
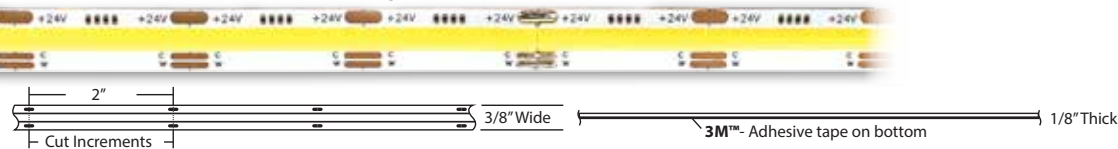
Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
COB2410-I640-16CCT	16.4'	2400	80	16.4'

Lighting Specifications

Color Temperature	2800K-6500K
Beam Spread	180°
Lumens	363 per ft.
Color Rendering Index	90
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	COB

Accessories for COB24 CCT Ribbon Flex Series

Required
Power Supply & Controller
See Page R-32 *See Page R-33*

+

Optional (Any Combination)
Connector &/or Connecting Cable
See Page R-33 *See Page R-33*

+

Required
Ribbon Flex
See Page R-32

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-6A	Desktop	6A	24V	144W	6.77"L x 2.83"W x 1.57"H

Other Options: *Plug In* | *Hardwire* | *Hardwire Dimmable* | *Rechargeable Battery*

UL
Super Bright Light Output
24V
New'
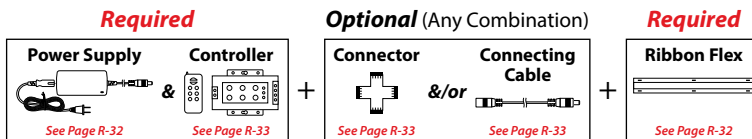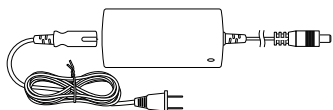
Accessories for COB24 CCT Ribbon Flex Series

Required

Option 1: RF Controller With Remote For CCT

LED-ADJTEM-CR2

Output Ports
Dedicated CW/WW

Input: DC5.5
Power Supply

Features:
• 3A / 24V / 72W
• Input Wire: Female DC 5.5 / Hardwire
• Output Wire: Hardwire
• Controller Size: 4-1/2"L x 2-3/16"W x 3/4"H
• Receiver Size: 3-5/8"L x 1-3/4"W x 7/8"H
• Color: White

Controller Functions:
• Mounting: Surface
• Remote Control Function: RF
• Gradient Change: 11 Grades
• Brightness Adjusting: 20 Grades
• Sound: No

Option 2: RF CCT Controller With Desktop or Wall Option

Receiver

Learning Key

Power Supply
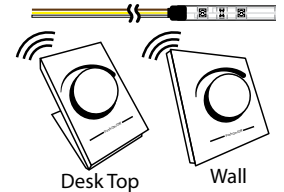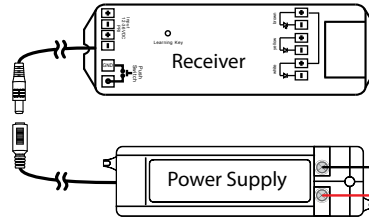
Desk Top   Wall

Receiver
Included With Every Dimmer
7" L x 1.75" W x .75" H
Female DC 5.5 Input Cord: 18"

• Each dimmer is paired to the included receiver. However, multiple dimmers can be paired to one receiver. *(Instructions included in package)*
• Range of Dimming: 10%-100%
• Push Button On/Off Function
• All dimmers work up to 50' away from receiver
• All dimmer controllers run on battery
• Limited 3 Year Warranty
• Radio frequency goes through walls

Wall Dimmer
Fits Over A Standard Receptacle Box
3.5" L x 1.37" W x .75" H
RF-CCT-CTRL-WT

Desk Top Dimmer
4" L x 1.5" W x 1.8" H
RF-CCT-CTRL-DT

For More On Radio Frequency Dimmers, See Pages R-147-149

Optional

### Connectors
For Use With Bare Wire Connections

Push Terminal
Male   *Female*

Screw Terminal
Male   *Female*

2-Way Connector

Part #	Descriptions	Function	Length
LED-5555-PM	Push Terminal Connector	DC 5.5 male to push terminal connector	1.5"
LED-5555-PF	Push Terminal Connector	DC 5.5 female to push terminal connector	1"
LED-5555-SM	Screw Terminal Connector	DC 5.5 male to screw terminal connector	1.5"
LED-5555-SF	Screw Terminal Connector	DC 5.5 female to screw terminal connector	1.5"

Part #	Works With	Description	Width	# of Pins
COB10-100U-2W-CCT	COB Ribbon CCT	100U 2-way L-shape for 10mm COB CCT	10mm	3

Connecting Cables
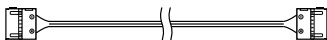
100% Usable

Hardwire to 100% Usable
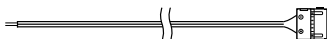
Part #	Works With	Description	Width	Length	# of Pins
		Pin Connection			
COB10-100U-CCT-C1	COB Ribbon CCT	6" 100U connecting cable for cut 10mm COB CCT	10mm	6"	3
		For Cut Pieces of Ribbon			
COB10-100U-CCT-ST	COB Ribbon CCT	6" bare wire w/100U connector for cut 10mm COB CCT	10mm	6"	3

For More Extension Cable Options, See Pages R-141~142

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

To See A Full Line Of Our Mounting Channels, See Pages R-53~63

New' | 24V | RGB

COB24 RGB Ribbon Flex Series

Available Lengths: 8.25' & 16.4'
Material: Flexible Silicone Cover with Adhesive

- Commercial Grade
- Field Trimmable
- Consumes Only a Few Watts Per Field Cuttable Strip
- 30,000 Hour Average Bulb Life
- Dimmable
- No UV Radiation- Safe For Artwork
- Limited 2 Year Warranty

IP20 Cut Per LED Ribbon
Provides Low Protection of Dust & Water

| WHITE | YELLOW | GREEN | CYAN | BLUE | PURPLE | RED |

7" BARE WIRE ENDS CONNECT DIRECTLY TO CONTROLLER

COB2410-I840-16RGB *(Up To 363 Lumens Per Foot)*

2" | 3/8" Wide | 1/8" Thick
Cut Increments
3M™- Adhesive tape on bottom
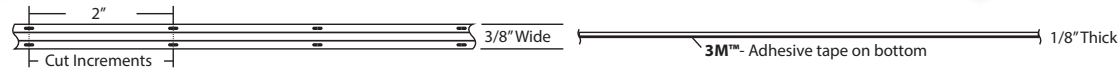
Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
COB2410-I840-16RGB	16.4'	2400	75	16.4'

Lighting Specifications

Color Temperature	RGB
Beam Spread	180º
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	COB

Accessories for COB24 RGB Ribbon Flex Series

Required — Power Supply & Controller + *Optional* (Any Combination) — Connector &/or Connecting Cable + *Required* — Ribbon Flex

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-4A	Desktop	4A	24V	96W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Controllers

Part #	Description	Input Wire	Output Wire	Dimensions
LED-RGB36-CRP	Deluxe RGB controller with up to 25 color changing functions	Female DC 5.5: 18"	4 Pin Connection 18"	4-3/4"L x 2"W x 1"H
RF-RGB-CTRL-DT	RGB RF dimmer kit with desktop style controller and receiver	Female DC 5.5: 18"	Pin Connection 18"	4"L x 1.5"W x 1.8"H

For Product Details & More Controller Options, See Pages R-146~149
Other Options: Radio Frequency | Sound Activated

Optional

Connectors
For Use With Bare Wire Connections

Part #	Works With	Description	Width	# of Pins
COB10-100U-2W-RGB	COB Ribbon RGB	100U 2-way L-shape for 10mm COB RGB	10mm	4

### Connecting Cables
100% Usable
Hardwire to 100% Usable
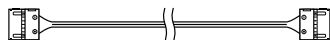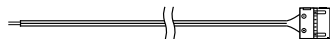
Part #	Works With	Description	Width	Length	# of Pins
		Pin Connection			
COB10-100U-RGB-C1	COB Ribbon RGB	6" 100U connecting cable for cut 10mm COB RGB	10mm	6"	4
		For Cut Pieces of Ribbon			
COB10-100U-RGB-ST	COB Ribbon RGB	6" bare wire w/100U connector for cut 10mm COB RGB	10mm	6"	4

For More Extension Cable Options, See Pages R-141~142

Premium Ribbon Flex

Available Lengths: 23.5", 8.25' & 16.4'
Material: Flexible Silicone Cover with Adhesive

- Commercial Grade
- Field Trimmable
- Consumes Only a Few Watts Per Field Cuttable Strip
- 30,000 Hour Average Bulb Life
- Dimmable
- IP20 & IP65 Options
- No UV Radiation- Safe For Artwork
- Limited 2 Year Warranty

AM GN BL RD PW CW WW
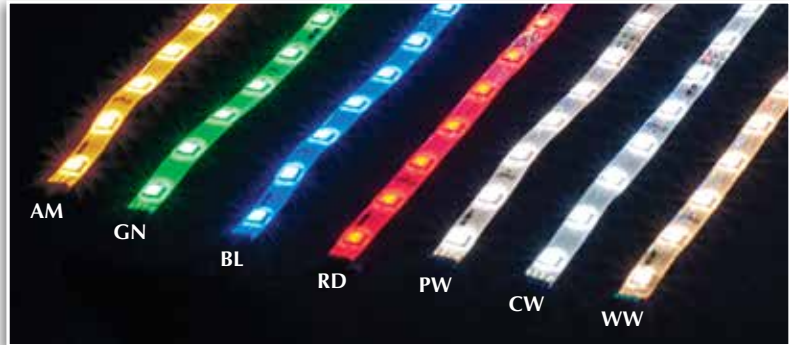
2 Options Available

IP65 Premium Ribbon
Provides Protection From Dust & Splashing Water, Not Submersible

IP20 Premium Ribbon
Provides Low Protection of Dust & Water

Single Ribbon Flex *(Up To 280 Lumens Per Foot)*

2 Pins Included

4" Cut Increments   11/16"   3/8" Wide

1/8" Thick

3M™- Adhesive tape on bottom
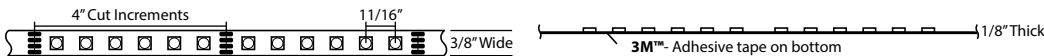
Part #	Color Temp	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65					
RIB24-N5060-23-*	*CW/*PW/*WW	23.5"	36	7	16.4'
RIB24-N5060-8-*	*CW/*PW/*WW	8.25'	150	29	16.4'
RIB24-N5060-16-*	*CW/*PW/*WW	16.4'	300	58	16.4'
RIB24-N5060-16-AM	Amber	16.4'	300	58	16.4'
RIB24-N5060-16-RD	Red	16.4'	300	58	16.4'
RIB24-N5060-16-BL	Blue	16.4'	300	58	16.4'
RIB24-N5060-16-GN	Green	16.4'	300	58	16.4'
IP20					
RIB24-I5060-8-*	*CW/*PW/*WW	8.25'	150	29	16.4'
RIB24-I5060-16-*	*CW/*PW/*WW	16.4'	300	58	16.4'

Lighting Specifications

Color Temperature	CW:6000K-6500K PW: 4000K-4500K WW: 2800K-3200K AM: 1800K-2000K
Beam Spread	120°
Lumens	280 per ft.
Color Rendering Index	>80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	5050

Accessories for Premium Ribbon Flex

Required	*Optional* (Pick One Option)	*Optional*	*Optional* (Any Combination)	*Required*
Power Supply **&** **Power Linking Cable**	**Dimmer** *or* **Switch**	**Multi Output Cable**	**Connector** *&/or* **Connecting Cable**	**Ribbon Flex**
See Page R-36 *See Page R-36*	*See Page R-36* *See Page R-145*	*See Page R-36*	*See Page R-37* *See Page R-37*	*See Page R-35*

Required

Power Supplies

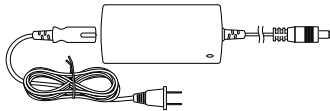| Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-4A	Desktop	4A	24V	96W	6.77"L x 2.83"W x 1.57"H
LED-24V-6A	Desktop	6A	24V	144W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Power Linking Cable
*Required for power supplies, dimmers & multi output cables.*

Pin

100% Usable

Part #	Description	Overall Length	Finish
	Pin Connection *(Pins Included)*		
LED-RIBBON-PWL	Power Link Cable with Pin Connection	18"	Black
	For Cut Pieces of Ribbon		
LED-RIBBON-100U-PL	Power Link Cable with 100% Usable Connection	18"	Black

For Hardwire Power Linking Cables, See Page R-137

Optional

Dimmers
A power linking cable required.
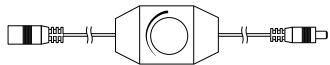
Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Multi Output Cables

2-Way Sweep: Pin

2-Way Sweep: DC 5.5
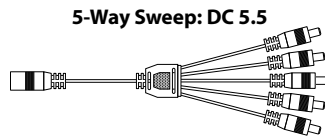
5-Way Sweep: DC 5.5
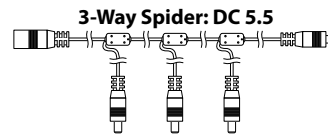
3-Way Spider: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
	Pin Connection *(Pins Included)*					
LED-2WAY-4P-WH	2-Way Sweep	White	5"	2	12"	2
For Cut Pieces of Ribbon & Pin Connection *(Power Linking Cable Required For Each Outlet)*						
LED-2WAY-BK	2-Way Sweep	Black	3"	2	7"	2
LED-5OUT-CBL-BK	5-Way Sweep	Black	8-3/4"	5	19"	5
LED-SPIDER-CBL	3-Way Spider	Black	4-1/2"	3	96"	4

For More Extension Cable Options, See Page R-143

End-To-End For 100% Usable Connections
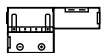
Part #	Description	# of Pins
LED-RIBBON-100U-EE	Usable connection directly connects 2 cut pieces	4

Accessories for Premium Ribbon Flex

Required		**Optional** (Pick One Option)	**Optional**	**Optional** (Any Combination)	**Required**
Power Supply *See Page R-36* **&** **Power Linking Cable** *See Page R-36*	**+**	**Dimmer** *See Page R-36* **or** **Switch** *See Page R-145*	**+** **Multi Output Cable** *See Page R-36* **+**	**Connector** *See Page R-37* **&/or** **Connecting Cable** *See Page R-37*	**+** **Ribbon Flex** *See Page R-35*

Optional

Connecting Cables

Pin

100% Usable

Hardwire to 100% Usable

Part #	Description	Finish	Length
Pin Connection *(Pins Included)*			
LED-RIB-CON-BK	Allows the designer to get around unlit areas without multiple power supplies	Black	18"
LED-RIB-CON24-WH		White	24"
LED-RIB-CON36-BK		Black	36"
LED-RIB-CON36-WH		White	36"
For Cut Pieces of Ribbon			
LED-RIBBON-100U-C1	Directly connect 2 cut pieces of ribbon while providing ability to get around unlit areas	White	24"
LED-RIBBON-100U-C2		White	36"
Hardwire			
LED-RIBBON-100U-ST	Hardwire power supply or dimmer to cut pieces	White	79"
For More Extension Cable Options, See Page R-142			

Connectors
Connects ribbon at a 90° angle.

Pin
2-Way | 3-Way | 4-Way

100% Usable
2-Way | 3-Way | 4-Way
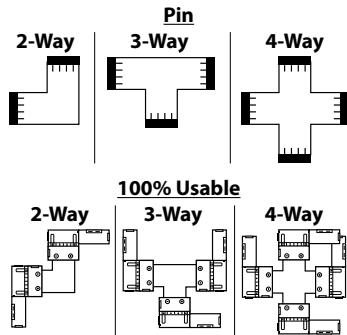
Part #	Description	# of Pins
Pin Connection *(Pins Included)*		
LED-RIBBON-2W-C	2-Way L	4
LED-RIBBON-3W-C	3-Way T	4
LED-RIBBON-4W-C	4-Way Cross	4
For Cut Pieces of Ribbon		
LED-RIBBON-2W-EE-C	2-Way L	4
LED-RIBBON-3W-EE-C	3-Way T	4
LED-RIBBON-4W-EE-C	4-Way Cross	4

Mounting Clips
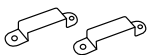
Part #	Description	Length
LED-5050-MC	1 mounting clips & 2 screws	10mm
For More Mounting Clip Options, See Page R-145		

End-To-End For Pin Connections
Replacement parts- included with each ribbon & accessory

Part #	Description	# of Pins
LED-4P-CON	Male to male connect end-to-end	4

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

L-TASK-1F
.43" | .43" | .71"

L-TASK-2F
.49" | .60" | .54" | .54" | .23"

To See A Full Line Of Our Mounting Channels, See Pages R-53~63

24V | RGB | c UL us
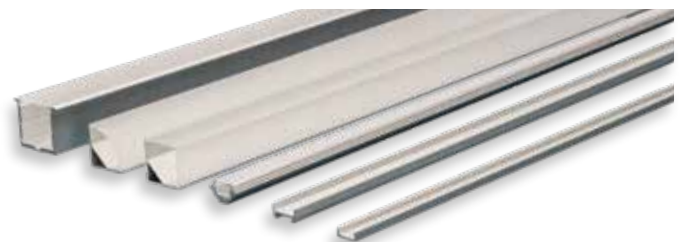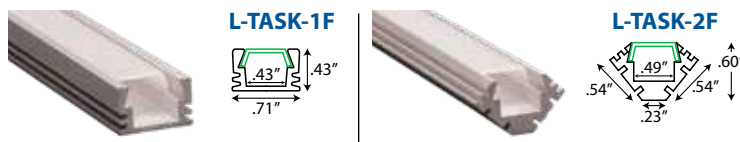
Premium RGB Ribbon Flex

Nominal Lengths: 8.25' & 16.4'
Material: Flexible Silicon Cover with Adhesive

- Commercial Grade
- Field Trimmable
- Nominal 8.25' & 16.4' rolls
- Consumes Only a Few Watts Per Field Cuttable Strip
- 30,000 Hour Average Bulb Life
- 3M Adhesive Back
- No UV Radiation- Safe For Artwork
- Limited 2 Year Warranty

IP65 Premium 24V RGB Ribbon
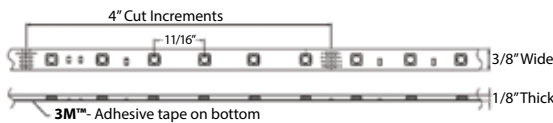Provides Protection From Dust & Splashing Water, Not Submersible

| RED | BLUE | PURPLE | WHITE | GREEN | YELLOW | CYAN |

Single Ribbon Flex Strips *(Up To 48 Lumens Per Foot)*

One Pin Included

4" Cut Increments
11/16"
3/8" Wide
1/8" Thick
3M™- Adhesive tape on bottom

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
RIB24-N5060-8RGB	8.25'	120	29	16.4'

Lighting Specifications

Beam Spread	140º
Lumens	Red: 22 per ft. Green: 48 per ft. Blue: 7 per ft.
Rated Average Life	30,000 hrs.
Constant	Current
Chip Size	SMD5050

Single Ribbon Flex Coils *(Up To 48 Lumens Per Foot)*

4" Cut Increments
11/16"
3/8" Wide
1/8" Thick
3M™- Adhesive tape on bottom

One Pin Included
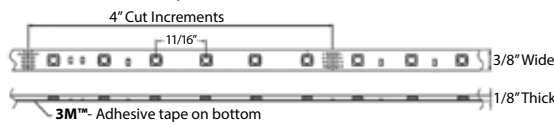
Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
RIB24-N5060-16RGB	16.4'	300	58	16.4'

Lighting Specifications

Beam Spread	140º
Lumens	Red: 22 per ft. Green: 48 per ft. Blue: 7 per ft.
Rated Average Life	30,000 hrs.
Constant	Current
Chip Size	SMD5050

Note: Each ribbon is supplied with a factory installed pin connection but can be trimmed to size. Trimmed pieces could then be used with 100% usable connection.

Pin Connection

100% Usable Connection

Accessories for Premium RGB Ribbon Flex

Required		*Optional* (Any Combination)		*Required*	*Optional*
Power Supply	**Controller**	**Connector**	**Connecting Cable**	**Ribbon Flex**	**Amplifier**
See Page R-39	*See Page R-39*	*See Page R-39*	*See Page R-40*	*See Page R-38*	*See Page R-40*

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-4A	Desktop	4A	24V	96W	6.77"L x 2.83"W x 1.57"H
LED-24V-6A	Desktop	6A	24V	144W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

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Controllers

Part #	Description	Input Wire	Output Wire	Dimensions
LED-RGB36-CRP	Deluxe RGB controller with up to 25 color changing functions	Female DC 5.5: 18"	4 Pin Connection: 18"	4-3/8"L x 2-1/8"W x 1"H
LED-RGB36-INLINE	Super small RGB controller with up to 20 color changing functions	Female DC 5.5: 3-1/2"	4 Pin Connection	1-1/2"L x 1/2"W x 1/8"H

For Product Details & More Controller Options, See Pages R-146~149
Other Options: Radio Frequency | Sound Activated

Optional

Connectors
Connects ribbon at a 90º angle.

Pin

2-Way   **3-Way**   **4-Way**

100% Usable

2-Way   **3-Way**   **4-Way**

Part #	Works With	Description	# of Pins
Pin Connection *(Pins Included)*			
LED-RIBBON-2W-C	RGB Ribbon	2-Way L	4
LED-RIBBON-3W-C	RGB Ribbon	3-Way T	4
LED-RIBBON-4W-C	RGB Ribbon	4-Way Cross	4
For Cut Pieces of Ribbon			
LED-RIBBON-2W-EE-C	RGB Ribbon	2-Way L	4
LED-RIBBON-3W-EE-C	RGB Ribbon	3-Way T	4
LED-RIBBON-4W-EE-C	RGB Ribbon	4-Way Cross	4

End-To-End For 100% Usable Connections

Part #	Works With	Description	# of Pins
LED-RIBBON-100U-EE	RGB Ribbon	Usable connection directly connects 2 cut pieces	4

24V | **RGB** | c **UL** us

Accessories for Premium RGB Ribbon Flex

Required		*Optional* (Any Combination)		*Required*	*Optional*
Power Supply **&** **Controller**	**+**	**Connector** *&/or* **Connecting Cable**	**+**	**Ribbon Flex**	**+**	**Amplifier**
See Page R-39 *See Page R-39*		*See Page R-39* *See Page R-40*		*See Page R-38*	*See Page R-40*

Optional

Connecting Cables

Pin

100% Usable

Pin to 100% Usable

Part #	Works With	Description	Finish	Length
Pin Connection *(Pins Included)*				
LED-RIBBON-RGB-CON	RGB Ribbon	Allows the designer to get around unlit areas without multiple power supplies	Black	18″
LED-RIBBON-RGB-C24	RGB Ribbon		Black	24″
LED-RIBBON-RGB-C36	RGB Ribbon		Black	36″
For Cut Pieces of Ribbon				
LED-RIBBON-100U-R1	RGB Ribbon	Directly connect 2 cut pieces of ribbon while providing ability to get around unlit areas	Multi	24″
LED-RIBBON-100U-R2	RGB Ribbon		Multi	36″
Pin Connection *(Pin Included)* **To Cut Pieces of Ribbon**				
LED-RIBBON-100U-4P	RGB Ribbon	Directly connect pin to cut piece of ribbon to get around unlit areas	Multi	18″

For More Extension Cable Options, See Page R-142

Amplifiers

Part #	Description	Input Wire	Output Wire	Dimensions
LED-RIBBON-RGB-AMP	Is to extend the signal of an RGB controller when the power supply is exceeded. *(Must purchase another power supply when using this product)*	4 Pin Connection: 18″	4 Pin Connection: 18″	3-1/2″L x 2-1/2″W x 7/8″H
LED-RGBMIN-AMP		4 Pin Connection	4 Pin Connection	1-5/8″L x 1/2″W x 1/8″H

Mounting Clips

Part #	Works With	Description	Length
LED-5050-MC	RGB Ribbon	1 mounting clips & 2 screws	10mm

For More Mounting Clip Options, See Page R-145

End-To-End For Pin Connections
Replacement parts- included with each ribbon & accessory

Part #	Works With	Description	# of Pins
LED-4P-CON	RGB Ribbon	Male to male connect end-to-end	4

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

L-TASK-1F
.43″ .43″
.71″

L-TASK-2F
.49″ .60″
.54″ .54″
.23″

To See A Full Line Of Our Mounting Channels, See Pages R-53~63

24V **RGB** (UL)

12MM 4 In 1 Chip Technology: Including Dedicated Warm or Cool White Option

Available Lengths: 16.4'
Material: Rolled Copper PCB with White Coating

- Field Cuttable
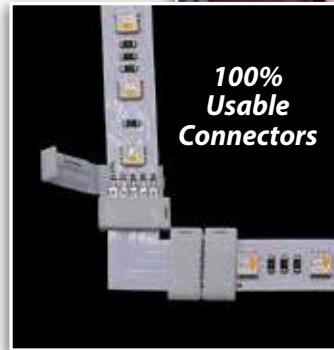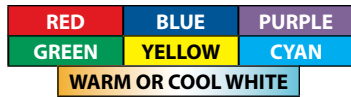- Flexible
- Limited 2 Year Warranty

2 Options Available

IP65 12MM 4 in 1 Ribbon
Provides Protection From Dust &
Splashing Water, Not Submersible

IP20 12MM 4 in 1 Ribbon
Provides Low Protection of Dust & Water

RED	BLUE	PURPLE
GREEN	YELLOW	CYAN
WARM OR COOL WHITE		

100% Usable Connectors

7" BARE WIRE ENDS CONNECT DIRECTLY TO CONTROLLER

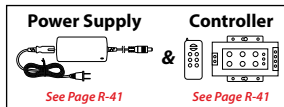## 12MM 4 In 1 Ribbon Flex: Including Dedicated Warm or Cool White Options

4" Cut Increments
11/16"
1/2" Wide

3M™- Adhesive tape on bottom
1/8" Thick
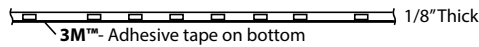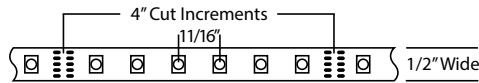
Lighting Specifications

Color Temp	RGB/CW RGB/WW
Beam Spread	120°
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Current
Chip Size	5050

Part #	IP Rating	Length	# Of LED Chips	Total Wattage	Max # Can Connect
RGB/Cool White *C5060-16 & RGB/Warm White *W5060-16					
FNC24-NRGB*	IP65	16.4'	300	88	16.4'
FNC24-IRGB*	IP20	16.4'	300	88	16.4'

Required
Power Supply   Controller
&
See Page R-41   *See Page R-41*

+

Optional (Any Combination)
Connector   Connecting Cable
&/or
See Page R-42   *See Page R-42*

+

Required
Ribbon Flex
See Page R-41
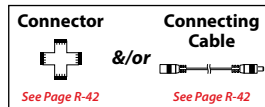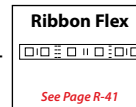
Required

Power Supply

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-6A	Desktop	6A	24V	144W	6.77"L x 2.83"W x 1.57"H

Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

RF Controller

Features:
- 3A / 24V / 72W
- Controller Size: 4-1/4"L x 2"W x 3/4"H
- Receiver Size: 3-5/8"L x 1-3/4"W x 7/8"H
- Mounting: Surface
- Remote Control Function: RF

Controller Functions:
- Static: 3 Options
- Flashing Strobe: 4 Options
- Gradient Change: 2 Options
- Brightness Adjusting: 8 Grades
- Color Jumping: 5 Options
- Sound: No

LED-RGBW-CR

Power Supply
RGB With Dedicated CW/WW

Input Port:
Power Supply

Output Ports:
RGB With Dedicated CW/WW
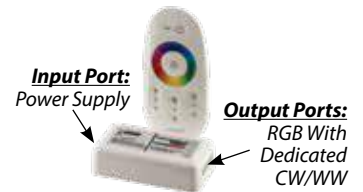
Accessories for 12MM 4 In 1 Chip Technology

Required

Power Supply **&** **Controller**

See Page R-41 *See Page R-41*

+

Optional (Any Combination)

Connector **&/or** **Connecting Cable**

See Page R-42 *See Page R-42*

+

Required

Ribbon Flex

See Page R-41

Optional

Connectors
Connects ribbon at a 90° angle.

100% Usable

2-Way **3-Way** **4-Way**

Part #	Description	# of Pins
For Cut Pieces of Ribbon		
LED-RGBW12-2W-EE-C	2-Way L	5
LED-RGBW12-3W-EE-C	3-Way T	5
LED-RGBW12-4W-EE-C	4-Way Cross	5

End To End For
100% Usable Connections
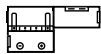
Part #	Description	# of Pins	Price Each	Price 6+ Pcs.
LED-RGBW12-100U-EE	Usable connection directly connects 2 cut pieces	5	$0.85	$0.75 ea.

Connecting Cables

Pin

100% Usable

Hardwire to 100% Usable

Hardwire to Pin

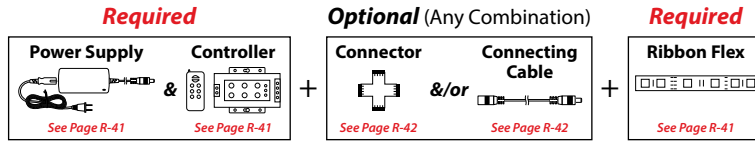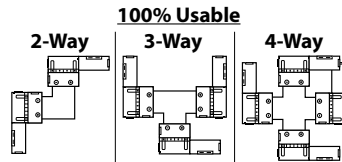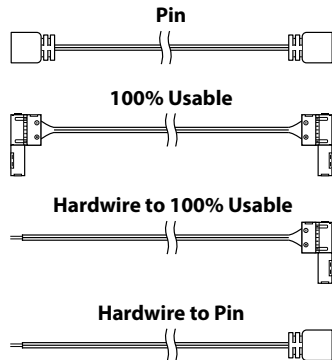| Part #	Description	Finish	Length
Pin Connection *(Pins Included)*			
LED-RGBW12-CON18	Allows the designer to get around unlit areas without multiple power supplies	Black	18"
LED-RGBW12-CON24		Black	24"
LED-RGBW12-CON36		Black	36"
For Cut Pieces of Ribbon			
LED-RGBW12-100U-C1	Directly connect 2 cut pieces of ribbon while providing ability to get around unlit areas	Multi	24"
LED-RGBW12-100U-C2		Multi	36"
Hardwire To 100% Usable			
LED-RGBW12-100U-ST	Hardwire power supply or dimmer to cut pieces	Multi	79"
Hardwire To Pin			
LED-RGBW12-MCC	Hardwire power supply or dimmer to cut pieces	Black	6"

Mounting Clips
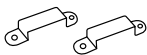
Part #	Description	Length
LED-12MM-MC-IP20	1 mounting clips & 2 screws	12mm

End-To-End For Pin Connections
Replacement parts- included with each ribbon & accessory

Part #	Description	# of Pins
LED-5P-CON	Male to male connect end-to-end	5

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons
 To See A Full Line Of Our
Mounting Channels, See Pages R-53~63

5 In 1 Warm White, Cool White & RGB Ribbon

Now you can mix colors and/or create white ranging from warm to cool

Nominal Lengths: 16.4'
Material: Flexible White PCB with Adhesive

- 5 colors on the same chip
- Over 1 trillion color combinations
- Seemless blending of RGB with Tunable White (2400K to 6500K)
- Field Trimmable
- Flexible
- 3M Adhesive Back
- Limited 3 Year Warranty

RED	BLUE	PURPLE
GREEN	YELLOW	CYAN
WARM WHITE	COOL WHITE	

IP20 5 in 1 WRGBW Ribbon
Provides Low Protection of Dust & Water

7" BARE WIRE ENDS CONNECT DIRECTLY TO CONTROLLER

5 In 1 Warm White, Cool White & RGB Ribbon

4" Cut Increments — 11/16" — 1/2" Wide — **3M™**- Adhesive tape on bottom — 1/16" Thick
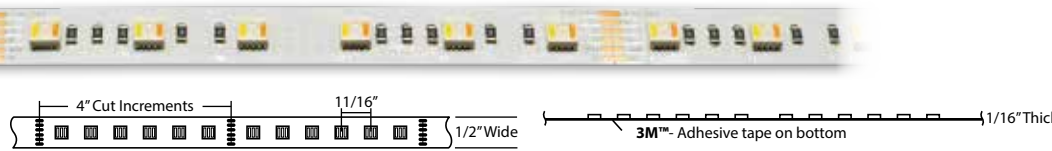
Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
FVR24-IRGWH5060-16	16.4'	300	120	16.4'

Lighting Specifications

Color Temperature	2400K + RGB + 6500K
Beam Spread	120°
Color Rendering Index	80
Rated Average Life	35,000 hrs.
Constant	Voltage
Chip Size	5050

Required — Power Supply + *Required* — Controller + *Required* — Ribbon Flex
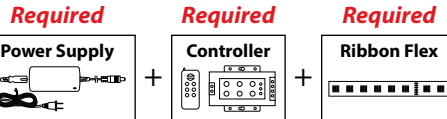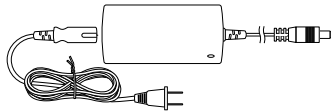
Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-6A	Desktop	6A	24V	144W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: *Plug In* | *Hardwire* | *Hardwire Dimmable* | *Rechargeable Battery*

RF Controller

Features:
- 6A / 24V / 144W
- 4 Zones
- Input Wire: Female DC 5.5 / Hardwire
- Output Wire: Hardwire
- Controller Size: 5-7/16"L x 2-1/4"W x 3/4"H
- Receiver Size: 3-11/32"L x 1-3/4"W x 7/8"H
- Color: White

Controller Functions:
- Mounting: Surface
- Remote Control Function: RF
- Gradient Change: 11 Grades
- Brightness Adjusting: 20 Grades
- Fire Simulator
- Sound: No

LED-WRGBW-CR

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons
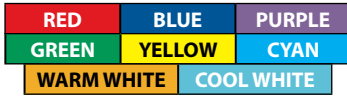**To See A Full Line Of Our**
Mounting Channels, See Pages R-53~63

DP24 SERIES

THIS NEW LED 2835 CHIP, PROVIDES GREATER ENERGY EFFICIENCY, HIGH LUMENS & BUDGET FRIENDLY PRICING.

7" Cable With DC5.5

NW
PW
CW
WW

7" Cable With DC5.5

DP246 28140 *(Up To 406 Lumens Per Foot)*

DP248 2860 *(Up To 209 Lumens Per Foot)*

DP2410 2860 *(Up To 339 Lumens Per Foot)*

- **This comprehensive array of LED 2835 ribbons includes width ranging from 1/4" to 9/16"**
- **Special Feature: Ribbon has 2 female ends (DC 5.5) so it can be cut to size and then the remaining piece can be used for another project**
- **Available Lengths: 8.25' & 16.4' (Nominal)**
- **Available In: IP65 & IP20**
- **Most design options can be accommodated with use of our FPC* connector series.**
- **Limited 2 Year Warranty**

DP2410 28120 *(Up To 408 Lumens Per Foot)*

DP2410 28182 *(Up To 555 Lumens Per Foot)*

DP2415 28196 *(Up To 740 Lumens Per Foot)*

24V · Super Bright Light Output · UL

DP24 Ribbon Flex Series

Available Lengths: 8.25' & 16.4' *(Nominal)*
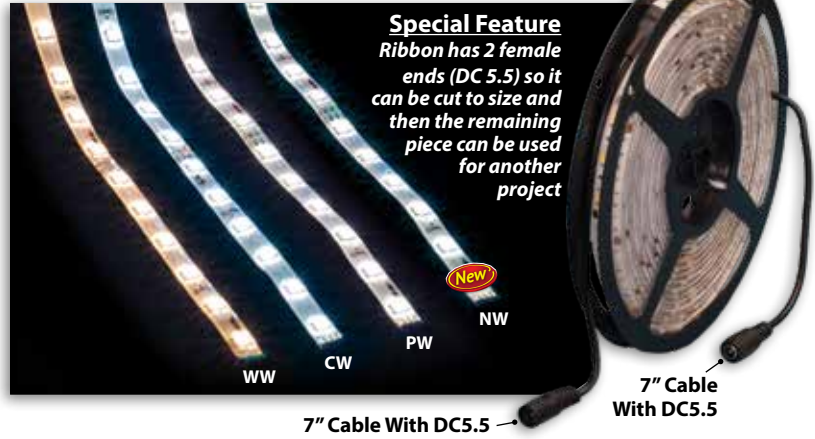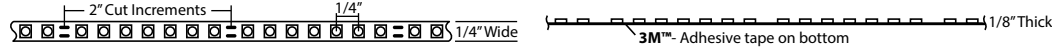*Material: Flexible White PCB with Adhesive*

2 Options Available

IP65 24V DP24 Ribbon
Provides Protection From Dust &
Splashing Water, Not Submersible

IP20 24V DP24 Ribbon
Provides Low Protection of Dust & Water

Special Feature
Ribbon has 2 female ends (DC 5.5) so it can be cut to size and then the remaining piece can be used for another project

New!

NW · PW · CW · WW

7" Cable With DC5.5

7" Cable With DC5.5

Ultra Thin DP246 28140 *(Up To 406 Lumens Per Foot)*

Shown IP20

2" Cut Increments · 1/4" · 1/4" Wide · 1/8" Thick
3M™- Adhesive tape on bottom

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP20 (Cool White *CW, Warm White *WW & Pure White *PW)				
DP246-I28140-8*	8.25'	350	26	8.25'

Lighting Specifications

Color Temperature	CW: 6000K-6500K WW: 2800K-3000K PW: 4000K-4500K
Beam Spread	120°
Lumens	CW: 406 per ft. WW: 400 per ft. PW: 403 per ft.
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	SMD2835

DP248 2860 *(Up To 209 Lumens Per Foot)*
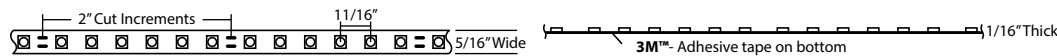
Shown IP20

2" Cut Increments · 11/16" · 5/16" Wide · 1/16" Thick
3M™- Adhesive tape on bottom

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW & Pure White *PW)				
DP248-N2860-8*	8.25'	150	14	16.4'
DP248-N2860-16*	16.4'	300	29	16.4'
IP20 (Cool White *CW, Warm White *WW & Pure White *PW)				
DP248-I2860-8*	8.25'	150	14	16.4'
DP248-I2860-16*	16.4'	300	29	16.4'
DP248-I2860-33WW	33'	600	58	16.4'

Lighting Specifications

Color Temperature	CW: 6000K-6500K WW: 2800K-3000K PW: 4000K-4500K
Beam Spread	120°
Lumens	CW: 209 per ft. WW: 200 per ft. PW: 206 per ft.
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	SMD2835

DP2410 2860 *(Up To 339 Lumens Per Foot)*
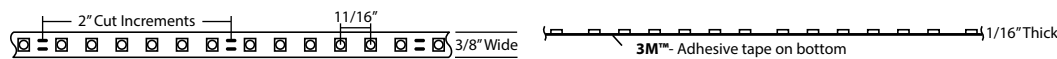
Shown IP20

2" Cut Increments · 11/16" · 3/8" Wide · 1/16" Thick
3M™- Adhesive tape on bottom

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW, Pure White *PW & Natural White *NW)				
DP2410-N2860-8*	8.25'	150	29	16.4'
DP2410-N2860-16*	16.4'	300	58	16.4'
IP20 (Cool White *CW, Warm White *WW, Pure White *PW & Natural White *NW)				
DP2410-I2860-8*	8.25'	150	29	16.4'
DP2410-I2860-16*	16.4'	300	58	16.4'

Lighting Specifications

Color Temperature	CW: 6000K-6500K WW: 2800K-3000K PW: 4000K-4500K NW: 5000K-5500K
Beam Spread	120°
Lumens	CW: 339 per ft. WW: 330 per ft. PW: 333 per ft. NW: 335 per ft.
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	SMD2835

UL | **Super Bright Light Output** | **24V**

DP24 Ribbon Flex Series

Available Lengths: 8.25' & 16.4' *(Nominal)*
Material: Flexible White PCB with Adhesive

Special Feature
Ribbon has 2 female ends (DC 5.5) so it can be cut to size and then the remaining piece can be used for another project

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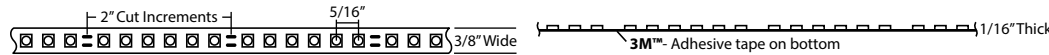**2 Options Available**

IP65 24V DP24 Ribbon	*IP20 24V DP24 Ribbon*
Provides Protection From Dust & Splashing Water, Not Submersible	Provides Low Protection of Dust & Water

DP2410 28120 *(Up To 408 Lumens Per Foot)*

Shown IP20

7" Cable With DC5.5
7" Cable With DC5.5

2" Cut Increments · 5/16" · 3/8" Wide · 1/16" Thick
3M™- Adhesive tape on bottom

Lighting Specifications

Color Temperature	CW: 6000K-6500K WW: 2800K-3000K PW: 4000K-4500K NW: 5000K-5500K
Beam Spread	120º
Lumens	CW: 408 per ft. WW: 400 per ft. PW: 403 per ft. NW: 335 per ft.
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	SMD2835

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW, Pure White *PW & Natural White *NW)				
DP2410-N28120-8*	8.25'	300	32	16.4'
DP2410-N28120-16*	16.4'	600	64	16.4'
IP20 (Cool White *CW, Warm White *WW, Pure White *PW & Natural White *NW)				
DP2410-I28120-8*	8.25'	300	32	16.4'
DP2410-I28120-16*	16.4'	600	64	16.4'
DP2410-I28120-33*	33'	1200	152	33'

DP2410 28182 *(Up To 555 Lumens Per Foot)*

Shown IP20
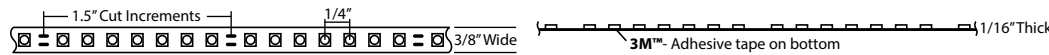
1.5" Cut Increments · 1/4" · 3/8" Wide · 1/16" Thick
3M™- Adhesive tape on bottom

Lighting Specifications

Color Temperature	CW: 6000K-6500K WW: 2800K-3000K PW: 4000K-4500K
Beam Spread	120º
Lumens	CW: 555 per ft. WW: 552 per ft. PW: 554 per ft.
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	SMD2835

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW & Pure White *PW)				
DP2410-N28182-8*	8.25'	455	39	16.4'
DP2410-N28182-16*	16.4'	910	75	16.4'
IP20 (Cool White *CW, Warm White *WW & Pure White *PW)				
DP2410-I28182-8*	8.25'	455	39	16.4'
DP2410-I28182-16*	16.4'	910	75	16.4'

DP2415 28196 *(Up To 740 Lumens Per Foot)*

Shown IP20
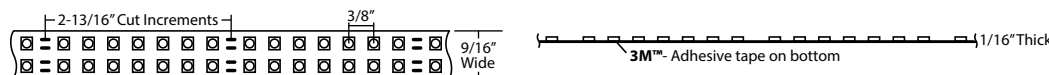
2-13/16" Cut Increments · 3/8" · 9/16" Wide · 1/16" Thick
3M™- Adhesive tape on bottom

Lighting Specifications

Color Temperature	CW: 6000K-6500K WW: 2800K-3000K PW: 4000K-4500K NW: 5000K-5500K
Beam Spread	120º
Lumens	CW: 740 per ft. WW: 738 per ft. PW: 739 per ft. NW: 335 per ft.
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	SMD2835

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP65 (Cool White *CW, Warm White *WW, Pure White *PW & Natural White *NW)				
DP2415-N28196-8*	8.25'	490	53	16.4'
DP2415-N28196-16*	16.4'	980	105	16.4'
IP20 (Cool White *CW, Warm White *WW, Pure White *PW & Natural White *NW)				
DP2415-I28196-8*	8.25'	490	53	16.4'
DP2415-I28196-16*	16.4'	980	105	16.4'

24V | Super Bright Light Output

Accessories for DP24 Ribbon Flex Series

Required	*Optional* (Pick One Option)	*Optional*	*Optional* (Any Combination)	*Required*
Power Supply **&** **Power Linking Cable**	**Dimmer** *or* **Switch**	**Multi Output Cable**	**Connector** *&/or* **Connecting Cable**	**Ribbon Flex**
See Page R-47 *See Page R-47*	+ *See Page R-47* *See Page R-145*	+ *See Page R-143*	+ *See Page R-47* *See Page R-47*	+ *See Pages R-45~46*

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-4A	Desktop	4A	24V	96W	6.77"L x 2.83"W x 1.57"H
LED-24V-6A	Desktop	6A	24V	144W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137

Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

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Power Linking Cable

*Required for power supplies, dimmers & multi output cables.*

100% Usable

Part #	Works With	Description	Overall Length	Finish
For Cut Pieces of Ribbon				
RIB8-100U-PL	DP248/60	Power Link Cable with 100% Usable Connector	18"	Black
RIB8-100U-PL-120	DP248/120		18"	Black
RIB10-100U-PL	DP2410/60		18"	Black
RIB10-100U-PL-120	DP2410/120		18"	Black
LED-FPC-15-PWL	DP2415		24"	White

For Hardwire Power Linking Cables, See Page R-137

Optional

Dimmers

A power linking cable required.
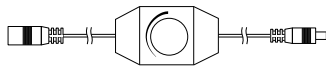
Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149

Other Options: Rotary | Touch Dimmer | Radio Frequency

Connecting Cables

100% Usable
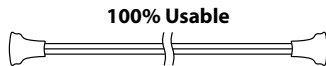
Part #	Works With	Description	Overall Length	Finish
For Cut Pieces of Ribbon				
RIB8-100U-C1	DP248/60	Directly connect 2 cut pieces of ribbon while providing ability to get around unlit areas	24"	White
RIB8-100U-C1-120	DP248/120		24"	White
RIB8-100U-C2	DP248/60		36"	White
RIB8-100U-C2-120	DP248/120		36"	White
RIB10-100U-C1	DP2410/60		24"	White
RIB10-100U-C1-120	DP2410/120		24"	White
RIB10-100U-C2	DP2410/60		36"	White
RIB10-100U-C2-120	DP2410/120		36"	White
LED-FPC-15-CON24	DP2415		24"	White
LED-FPC-15-CON36	DP2415		36"	White

For More Extension Cable Options, See Page R-141

End-To-End For 100% Usable Connections

Part #	Works With	Description
RIB8-100U-EE	DP248/60	Usable connectior directly connects 2 cut pieces
RIB8-100U-EE-120	DP248/120	
RIB10-100U-EE	DP2410/60	
RIB10-100U-EE-120	DP2410/120	
LED-FPC-15-EE	DP2415	

Universal LED Ribbon Mounting Channels

Aluminum channels that work with our ribbons

To See A Full Line Of Our Mounting Channels, See Pages R-53~63

24V | Super Bright Light Output | UL

Cut Per LED Ribbon

Now you can create any desired length! Cut increment is LESS THEN 1"!

Nominal Lengths: 8.25' & 16.4'
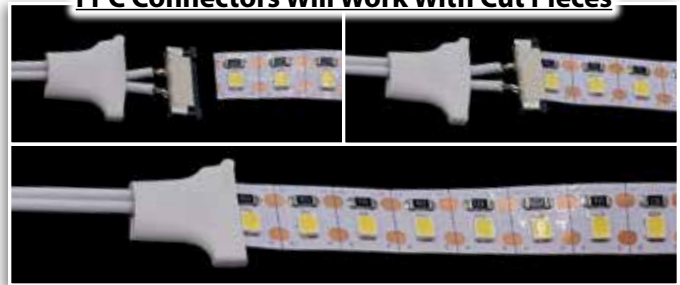### *Material: Flexible White PCB with Adhesive*

- This NEW LED 2835, provides greater energy efficiency, high lumens & budget friendly pricing.
- This comprehensive array of LED 2835 ribbons has a width of 3/8", 36 chips per ft. & 8.7 watts per ft.
- Special Feature: Ribbon Has 2 female ends (DC 5.5) so it can be cut to size and then the remaining piece can be used for another project.
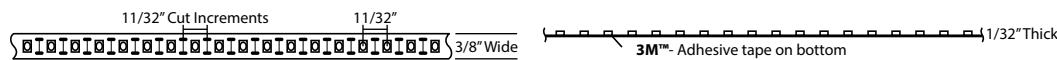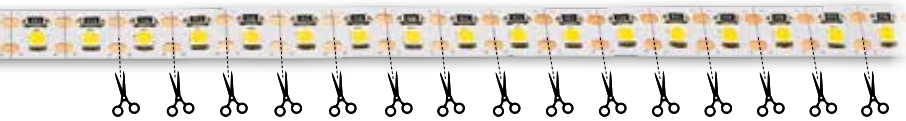- 3M Adhesive Back
- Limited 3 Year Warranty

> **IP20 Cut Per LED Ribbon**
> Provides Low Protection of Dust & Water

7" Cable With DC5.5

7" Cable With DC5.5

Field Trimmable

FPC Connectors Will Work With Cut Pieces

CTL2410-I28120 *(Up To 667 Lumens Per Foot)*

Cut Increment is LESS THEN 1"!

11/32" Cut Increments   11/32"
3/8" Wide
3M™- Adhesive tape on bottom
1/32" Thick

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
*Cool White *CW, Warm White *WW & Pure White *PW*				
CTL2410-I28120-8*	8.25'	300	72	16.4'
*Cool White *C, Warm White *W & Pure White *P*				
CTL2410-I28120-16*	16.4'	600	144	16.4'

Lighting Specifications

Color Temperature	CW/C: 6500K WW/W: 3000K PW/P: 4500K
Beam Spread	120°
Lumens	667 per ft.
Color Rendering Index	80
Rated Average Life	35,000 hrs.
Constant	Voltage
Chip Size	2835

UL | **Super Bright Light Output** | **24V**

Accessories for Cut Per LED

Required	**Optional** (Pick One Option)	**Optional**	**Optional** (Any Combination)	**Required**
Power Supply **&** **Power Linking Cable**	**Dimmer** *or* **Switch**	**Multi Output Cable**	**Connector** *&/or* **Connecting Cable**	**Ribbon Flex**
See Page R-49 *See Page R-49*	*See Page R-49* *See Page R-145*	*See Page R-49*	*See Page R-49* *See Page R-49*	*See Page R-48*

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-6A	Desktop	6A	24V	144W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137

Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

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Power Linking Cable
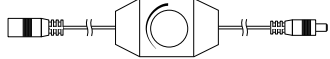*Required for power supplies, dimmers & multi output cables.*

100% Usable
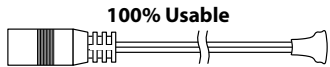
Part #	Description	Overall Length	Finish
For Cut Pieces of Ribbon			
RIB10-100U-PL-120	Power Link Cable with 100% Usable Connection	18"	Black

For Hardwire Power Linking Cables, See Page R-137

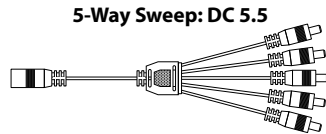# Optional

Dimmers
A power linking cable required.

Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149

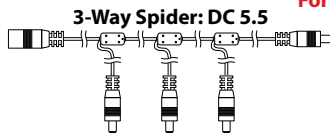*Other Options: Rotary | Touch Dimmer | Radio Frequency*
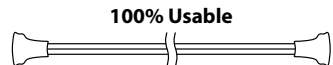

Multi Output Cables

2-Way Sweep: DC 5.5

5-Way Sweep: DC 5.5

3-Way Spider: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
For Cut Pieces of Ribbon & Pin Connection *(Power Linking Cable Required For Each Outlet)*						
LED-2WAY-BK	2-Way Sweep	Black	3"	2	7"	2
LED-5OUT-CBL-BK	5-Way Sweep	Black	8-3/4"	5	19"	5
LED-SPIDER-CBL	3-Way Spider	Black	4-1/2"	3	96"	4

For More Extension Cable Options, See Page R-143

Connecting Cables

100% Usable

Part #	Description	Finish	Length
For Cut Pieces of Ribbon			
RIB10-100U-C1-120	Directly connect 2 cut pieces of ribbon while	White	24"
RIB10-100U-C2-120	providing ability to get around unlit areas	White	36"

For More Extension Cable Options, See Page R-141

End-To-End For 100% Usable Connections

Part #	Description
RIB10-100U-EE-120	Usable connection directly connects 2 cut pieces

---

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons
To See A Full Line Of Our Mounting Channels, See Pages R-53~63

24V | Super Bright Light Output | UL
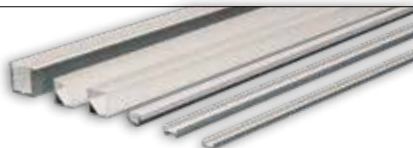
High Density Ribbon

LED's are so close together that when installed inside our Vision Task Extrusions there is virtually NO HOT SPOTS! (See Pages R-53~63)

Nominal Lengths: 8.25' & 16.4'
*Material: Flexible White PCB with Adhesive*

- This high density 2216, provides greater energy efficiency, high lumens & budget friendly pricing.
- This comprehensive array of LED 2216 ribbons has a width of 3/8", 127 chips per ft. & 7.3 watts per ft.
- Special Feature: Ribbon Has 2 female ends (DC 5.5) so it can be cut-to-size and then the remaining piece can be used for another project.
- 3M Adhesive Back
- Limited 3 Year Warranty

IP20 High Density Ribbon
Provides Low Protection of Dust & Water

7" Cable With DC5.5

7" Cable With DC5.5

HDL2410-I22420 *(Up To 545 Lumens Per Foot)*
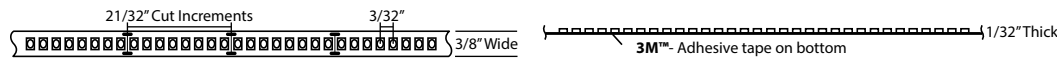
21/32" Cut Increments   3/32"   3/8" Wide

3M™- Adhesive tape on bottom   1/32" Thick

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
Cool White *CW, Warm White *WW & Pure White *PW				
HDL2410-I22420-8*	8.25'	1050	60	16.4'
Cool White *C, Warm White *W & Pure White *P				
HDL2410-I22420-16*	16.4'	2100	120	16.4'

Lighting Specifications

Color Temperature	CW/C: 6500K WW/W: 2800K-3000K PW/P: 4000K-4500K
Beam Spread	120°
Lumens	545 per ft.
Color Rendering Index	80
Rated Average Life	35,000 hrs.
Constant	Voltage
Chip Size	2216

Required
Power Supply
See Page R-50

+

Optional (Pick One Option)
Dimmer *or* Switch
See Page R-50   *See Page R-145*

+

Optional
Multi Output Cable
See Page R-143

+

Required
Ribbon Flex
See Page R-50

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-6A	Desktop	6A	24V	144W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

---

Optional

Dimmers
A power linking cable required.

Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons
To See A Full Line Of Our
Mounting Channels, See Pages R-53~63

24V

Super Bright Light Output

UL

Color Changing Temperature (CCT) Cut Per LED Ribbon

Versatile & field trimmable LED ribbon can be adapted to meet many design needs. Can program color temperature ranges between 3000K-6000K. Cut increment is less then 1"!

Nominal Lengths: 16.4'
Material: Flexible White PCB with Adhesive

• Now you can create any desired length! Cut increments is less then 1"!

• This NEW color changing temperature (CCT) LED 2835, provides greater energy efficiency, high lumens & budget friendly pricing.

• This comprehensive array of LED 2835 ribbons has a width of 3/8", 36 chips per ft. & 8.7 watts per ft.

• 3M Adhesive Back

• Limited 3 Year Warranty

IP20 CCT Cut Per LED Ribbon
Provides Low Protection of Dust & Water

CCT TECHNOLOGY

Warm White ← → Cool White

7" BARE WIRE ENDS CONNECT DIRECTLY TO CONTROLLER

Field Trimmable

CTL2410-I28120-CCT *(Up To 667 Lumens Per Foot)*

Cut Increments LESS THEN 1"!

11/32" Cut Increments   11/32"

3/8" Wide

3M™- Adhesive tape on bottom

1/32" Thick
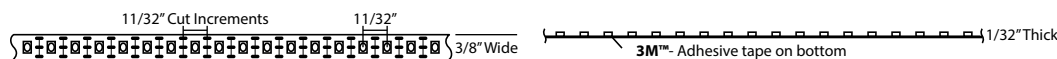
Lighting Specifications

Color Temperature	3000K-6500K
Beam Spread	120°
Lumens	667 per ft.
Color Rendering Index	80
Rated Average Life	35,000 hrs.
Constant	Voltage
Chip Size	2835

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
CTL2410-I28120-CCT	16.4'	600	144	16.4'

24V
UL · Super Bright Light Output

Accessories for Color Changing Temperature (CCT) Cut Per LED Ribbon
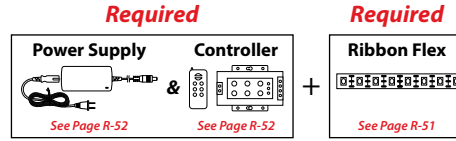
Required

Power Supply	Controller
See Page R-52	See Page R-52
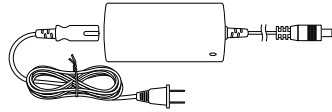
&

Required

Ribbon Flex
See Page R-51

+

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-6A	Desktop	6A	24V	144W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Option 1: RF Controller With Remote For CCT

LED-ADJTEM-CR2

Output Ports
Dedicated CW/WW

Input: DC5.5
Power Supply

Features:
• 3A / 24V / 72W
• Input Wire: Female DC 5.5 / Hardwire
• Output Wire: Hardwire
• Controller Size: 4-1/2"L x 2-3/16"W x 3/4"H
• Receiver Size: 3-5/8"L x 1-3/4"W x 7/8"H
• Color: White

Controller Functions:
• Mounting: Surface
• Remote Control Function: RF
• Gradient Change: 11 Grades
• Brightness Adjusting: 20 Grades
• Sound: No

Option 2: RF CCT Controller With Desktop or Wall Option

Receiver

Power Supply

Desk Top   Wall

Receiver
Included With Every Dimmer
7" L x 1.75" W x .75" H
Female DC 5.5 Input Cord: 18"

• Each dimmer is paired to the included receiver. However, multiple dimmers can be paired to one receiver. *(Instructions included in package)*
• Range of Dimming: 10%-100%
• Push Button On/Off Function
• All dimmers work up to 50' away from receiver
• All dimmer controllers run on battery
• Limited 3 Year Warranty
• Radio frequency goes through walls

Wall Dimmer
Fits Over A Standard Receptacle Box
3.5" L x 1.37" W x .75" H
RF-CCT-CTRL-WT

Desk Top Dimmer
4" L x 1.5" W x 1.8" H
RF-CCT-CTRL-DT

For More On Radio Frequency Dimmers, See Pages R-147~149

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons
To See A Full Line Of Our
Mounting Channels, See Pages R-53~63

New!

ALUMINUM LED CHANNEL
DRYWALL PROFILES

- • *Material: Silver anodized aluminum*
- • *Ideal for illuminating bathrooms, kitchens and similar areas.*
- • *Mounts on tiles, ceramic or stoneware surfaces.*
- • *Can be mounted between two tiles or used as a corner/wall ending.*
- • *Suitable for LED strips with a maximum width of 12.5mm.*
- • *Works with our COB24* LED strips, for a more uniform illumination.*
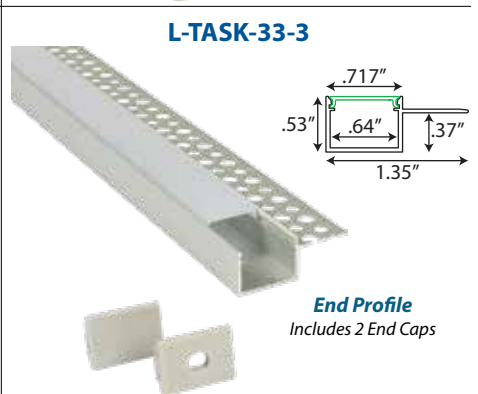- • *2-year guarantee on profiles and covers.*

Perforated L-shaped trim makes it is easy to fit on to concrete, thus achieving a perfect adhesion to wall.

New!

L-Task Aluminum LED Channel Drywall Profile Series: *Aluminum Channel with Frosted Lens*

Lengths: Nominal 3 Ft. (1 meter) • Material: Satin Anodized Aluminum Finish • Lens: Frosted

Outside Corners

Inside Corners

Straight Profiles

L-TASK-27-3
.98"
1.07"
.417"
1.56"
Outside Corner Profile
Includes 2 End Caps

L-TASK-28-3
.51"
.886"
.417"
1.98"
Outside Corner Profile
Includes 2 End Caps

L-TASK-29-3
2.2"
.88"
.417"
.45"
Inside Corner Profile
Includes 2 End Caps

L-TASK-30-3
1.8"
1"
.417"
.51"
Inside Corner Profile
Includes 2 End Caps

L-TASK-31-3
2.4"
.82"
.55"
1.12"
Straight Profile
Includes 2 End Caps

L-TASK-32-3
.717"
.53"
.64"
.37"
1.97"
Straight Profile
Includes 2 End Caps

L-TASK-33-3
.717"
.53"
.64"
.37"
1.35"
End Profile
Includes 2 End Caps

L-Task Lens For Aluminum LED Channel Drywall Profile: *Lens Only*

Note: Additional end caps available, please inquire

Lengths: Nominal 10 Ft. (3 meters) • Lens: Frosted

L-TASK-810-LENS
.441"
.323"
.386"
.17"
Works with:
L-TASK-27-3, L-TASK-28-3,
L-TASK-29-3, L-TASK-30-3

L-TASK-815-LENS
.667"
.111"
Works with:
L-TASK-32-3
L-TASK-33-3

L-TASK-821-LENS
.886"
.181"
Works with:
L-TASK-31-3

New'
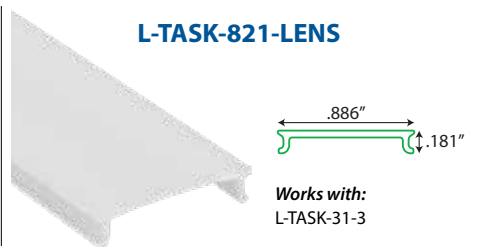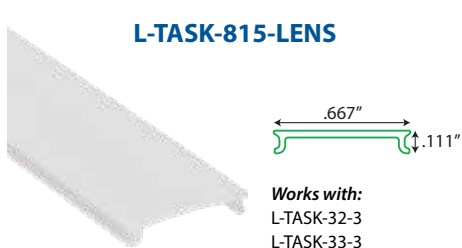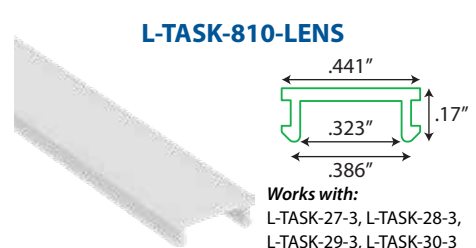
FLEXIBLE ALUMINUM LED CHANNEL PROFILE

Bend to almost any curvature an LED installation requires. Can be reshaped again or bent back to the original flat profile if needed.
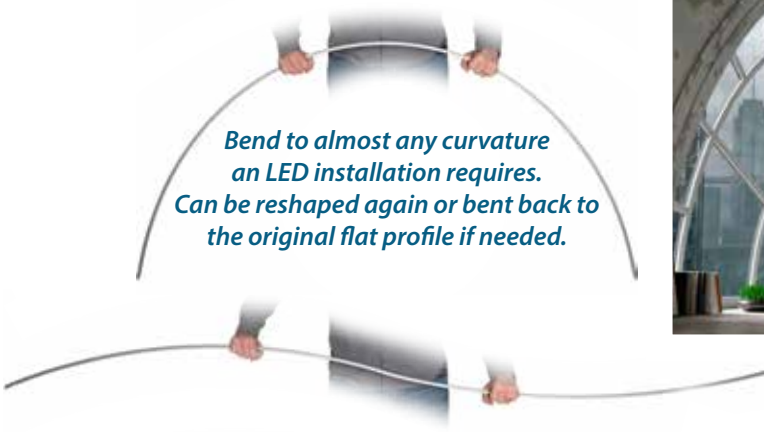
Easily bend the channel to perfectly fit inside or outside turns with a radius as tight as 6"

- Works with any LED strip 12mm or less.
- Ideal for both straight runs and curved surfaces.
- Great for uneven surfaces, under cabinets and counters, around support beams and curved walls.
- Provides maximum protection against the elements.
- Quickly dissipates minimal heat created by the LEDs and extends the life of the light strips.
- Prevents rust and corrosion.
- Protects LED Light Strips from damage, breakage, moisture and unwanted handling of the lights.
- Suitable for rough indoor or outdoor use.

Easy Installation

Made from an easy to bend high grade aluminum

Includes polycarbonate click-on diffuser

End Cap

Mounting Bracket

Cleanly directs wiring to the strip

L-TASK-34-6
Length: Nominal 6.6 Ft. (2 meters)
Material: Satin Anodized Aluminum Finish
Lens: Frosted

.525 | .225
.705

Flexible Profile
Includes 2 End Caps, & 2 Mounting Clips

Note: Additional end caps & clips available, please inquire

Made in the U.S.A.
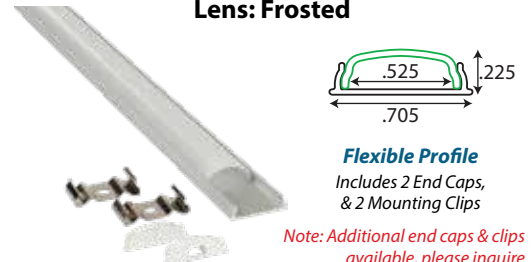
Outwater's Plastic Lens For LED Lighting: *Lens Only*

LENS CHARACTERISTICS

Color	Transmission	Dispersion	Surface Texture	LED Diodes
Frosted	High	Low	Pebbled	Visible
Milk White	Medium	Medium	Smooth	Slightly Visible
Opaque White	Low	High	Smooth	Not Visible

Frosted Lens: Allows the most light transmission. This is recommended for task lighting.

Milk White Lens: Allows moderate light transmission. The effect softens the light and reduces glare. A good choice for the largest variety of lighting situations

Opaque White Lens: Allows the least light transmission. The effect softens the light, reduces glare and eliminates the "scalloping" caused by the LED's in most cases

These characteristics are general descriptions.
Customers must decide which color most suits their needs.

For Channels With Base Sets
See Pages R-53~63

L-TASK-10LENS

- **Material: Acrylic**
- **Color: Frosted Or Opaque White**
- **Length: 8 Ft.**

.848″ .255″ .821″
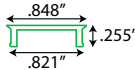
Part #
L-TASK-10LENS*

For Opaque White Add -WH to the Part Number

L-TASK-12LENS

- **Material: Styrene**
- **Color: Frosted Or Opaque White**
- **Length: 8 Ft.**
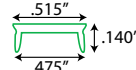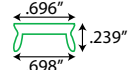
.515″ .140″ .475″

Part #
L-TASK-12LENS*

For Opaque White Add -WH to the Part Number

L-TASK-14LENS

- **Material: Styrene**
- **Color: Frosted Or Opaque White**
- **Length: 4 Ft.**

.696″ .239″ .698″

Part #
L-TASK-14LENS*

For Opaque White Add -WH to the Part Number

L-TASK-7DLENS

- **Material: Acrylic**
- **Color: Frosted Or Opaque White**
- **Length: 8 Ft.**

1.15″ R: 1.12″
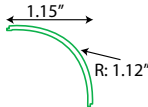
Part #
L-TASK-7DLENS*

For Opaque White Add -WH to the Part Number

L-TASK-8LENS

- **Material: Acrylic**
- **Color: Frosted Or Opaque White**
- **Length: 8 Ft.**

1.26″ .23″
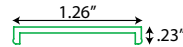
Part #
L-TASK-8LENS*

For Opaque White Add -WH to the Part Number

LED-OS-216-*

- **Material: Styrene**
- **Color: Frosted**
- **Length: 4 Ft. & 8 Ft.**

.33″ .12″
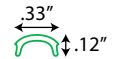
Part #	Length
LED-OS-216-4	4 Ft.
LED-OS-216-8	8 Ft.

L-TASK-15LENS

- **Material: Acrylic**
- **Color: Frosted Or Opaque White**
- **Length: 8 Ft.**

.878″ 1.36″ .605″
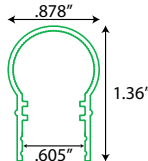
Part #
L-TASK-15LENS*

For Opaque White Add -WH to the Part Number

L-VISION-D-WH

- **Material: Acrylic**
- **Color: Opaque White**
- **Length: 8 Ft.**

.730″ .588″ .690″
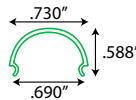
Part #
L-VISION-D-WH

L-VISION-F-WH

- **Material: Acrylic**
- **Color: Opaque White**
- **Length: 8 Ft.**

.770″ .525″ .670″
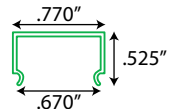
Part #
L-VISION-F-WH

LED-MTLENS

- **Material: Acrylic**
- **Color: Milk White**
- **Length: 4 Ft.**

.47″ .19″ .55″
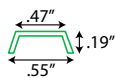
Part #
LED-MTLENS

L-TASK-1LENS

- **Material: Acrylic**
- **Color: Frosted Or Opaque White**
- **Length: 8 Ft.**

.47″ .19″ .55″
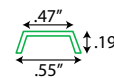
Part #
L-TASK-1LENS*

For Opaque White Add -WH to the Part Number

Made in the U.S.A.

LED CHANNELS
Create Your Own Light Fixture
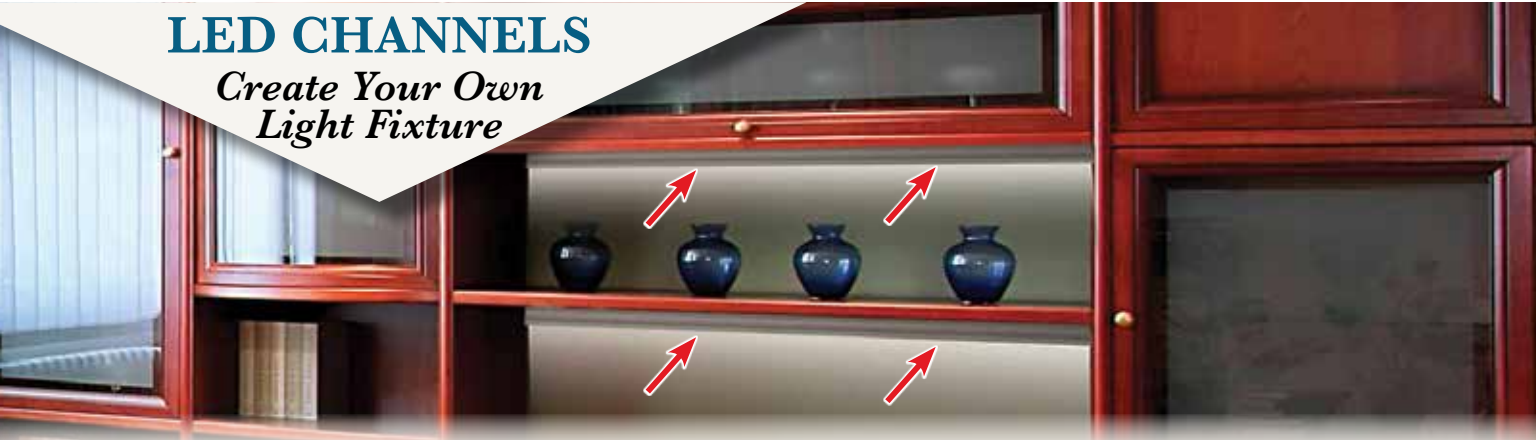
Enhances Lighting Effect While Providing Even Illumination

LED task system allows for the look of a fixture • Tremendous design opportunities for custom sizes • Options available to work with all of our ribbons

LED Channels

PART #	4MM	6MM	8MM W/O CONN	8MM W/ CONN	10MM W/O CONN	10MM W/ CONN	11MM x 6MM	12MM W/O CONN	12MM W/ CONN	15MM W/O CONN	15MM W/ CONN	15.9MM x 9.5MM	20MM W/O CONN	20MM W/ CONN	30MM	40MM
	.157" W	1/4" W	5/16" W	1/2" W	3/8" W	9/16" W	7/16" x 1/4"	1/2" W	5/8" W	9/16" W	13/16" W	5/8" x 3/8"	9/16" W	1" W	1-3/16" W	1-9/16" W
	SPT 12V	SPT 12V RGB DP 24V	ECO 12V DP 24V FLX 12V	ECO 12V DP 24V FLX 12V	CTL 24V RIB 24V ECO 12V FNR 24V	CTL 24V RIB 24V ECO 12V FNR 24V	MXL 120V	FNC 24V FVR 24V	FNC 24V FVR 24V	DP 24V	DP 24V	DBL RGB	DP 24V	DP 24V	DP 24V	DP 24V
Clear Anodized Aluminum Channels																
L-TASK-1F	X	X	X		X											
L-TASK-2F	X	X	X		X											
L-TASK-3F	X	X	X		X											
L-TASK-3LF	X	X	X		X	X		X		X			X			
L-TASK-4D & 4S	X	X	X	X	X	X	X	X	X	X		X	X			
L-TASK-7D	X	X	X	X	X	X	X	X	X	X	X	X	X			
L-TASK-8F	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
L-TASK-9	X	X	X	X	X	X	X	X	X	X	X	X	X			
L-TASK-10F	X	X	X	X	X	X	X	X	X	X		X	X			
L-TASK-11	X	X	X		X											
L-TASK-12 & 12F	X	X	X		X		12									
L-TASK-13	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
L-TASK-14F	X	X	X	X	X	X	X	X		X			X			
L-TASK-16	X	X	X	X	X	X	X	X	X	X	X	X	X			
L-TASK-17	X	X	X	X	X	X	X	X	X	X	X		X			
L-TASK-18 & 18F	X	X	X		X		X									
L-TASK-19D & 19S	X	X	X		X											
L-TASK-20PD-6	X	X	X	X	X	X	X	X	X	X	X	X	X			
L-TASK-21PD-6	X	X	X	X	X	X	X	X	X	X		X	X			
L-TASK-22WP-6	X	X	X	X	X		X	X								
L-TASK23W-6	X	X	X		X											
L-TASK-25-6	X	X	X	X	X	X		X	X	X	X		X	X		
L-TASK26-6	X	X	X	X	X	X	X	X	X	X			X			
L-TASK-57	X															
L-TASK-36-6	X	X	X	X	X											
L-TASK-37-6	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
L-TASK-82	X															
L-TASK-149	X															
Plastic PVC Channels																
L-TASK-133-BK & SIL	X	X	X		X											
L-TASK-35P-4 & 8	X	X	X		X											
L-TASK-50P-4 & 8	X	X	X	X	X			X								
L-TASK-50PS-4 & 8	X	X	X	X	X			X								

English measurements converted from metric. Metric is the most accurate.

Made in the U.S.A.

LED Lens

LENS CHARACTERISTICS				
Color	Transmission	Dispersion	Surface Texture	LED Diodes
Frosted	High	Low	Pebbled	Visible
Milk White	Medium	Medium	Smooth	Slightly Visible
Opaque White	Low	High	Smooth	Not Visible

**These characteristics are general descriptions.
Customers must decide which color most suits their needs.**

Frosted Lens: Allows the most light transmission. This is recommended for task lighting.

Milk White Lens: Allows moderate light transmission. The effect softens the light and reduces glare. A good choice for the largest variety of lighting situations

Opaque White Lens: Allows the least light transmission. The effect softens the light, reduces glare and eliminates the "scalloping" caused by the LED's in most cases

LED Aluminum Channels With Lens: *Create Your Own Light Fixture*

L-TASK-1F

.43" / .43" / .71"
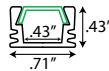
Length: 4 Ft.
Soft White Acrylic Lens
Part #
L-TASK-1F

Accessory Pack
Part #
L-TASK-13-ACC

Includes 2 End Caps, 2 Mounting Clips & Screws

L-TASK-2F

.49" / .60" / .54" / .54" / .23"
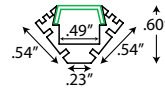
Length: 4 Ft.
Soft White Acrylic Lens
Part #
L-TASK-2F

Accessory Pack
Part #
L-TASK-2-ACC

Includes 2 End Caps, 2 Mounting Clips & Screws

L-TASK-3F

.875" / .433" / .557"
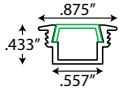
Length: 4 Ft.
Soft White Acrylic Lens
Part #
L-TASK-3F

L-TASK-3LF

1.321" / .433" / .580" / .374" / .864"
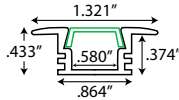
Length: 4 Ft.
Frosted Styrene Lens
Part #
L-TASK-3LF

L-TASK-4

.69" / .195" / .78"
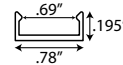
Length: 8 Ft.
No Lens
Part #
L-TASK-4

L-TASK-4D

.675" / .69" / .195" / .78"
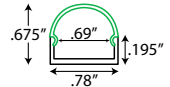
Length: 8 Ft.
Frosted Acrylic Lens
Part #
L-TASK-4D

L-TASK-4S

.72" / .69" / .195" / .78"
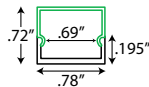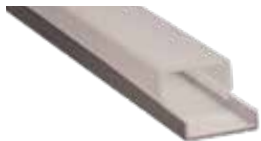
Length: 8 Ft.
Frosted Acrylic Lens
Part #
L-TASK-4S

L-TASK-7D

1.44" / .81" / 1.44"
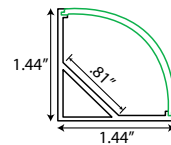
Length: 8 Ft.
Frosted Styrene Lens
Part #
L-TASK-7D

L-TASK-36-6

New

.834" / .464" / .228" / .787" / 1.732"
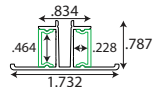
Length: 6.6 Ft.
Milky White Lens
Accessories (2 End Caps & 2- Mounting Clips)
Part #
L-TASK-36-6

End Caps- Set of 2
Part #
L-TASK-36-CAP

Mounting Clips- Set of 2
Part #
L-TASK-36-CLIP

Made in the U.S.A.

LED Aluminum Channels With Lens: *Create Your Own Light Fixture*

L-TASK-8F

1.73"
1.275"
1.375"
.60"
.75"
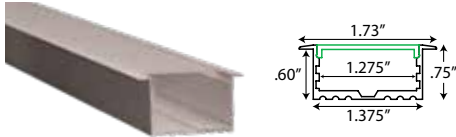
Length: 8 Ft.
Frosted Acrylic Lens
Part #
L-TASK-8F

L-TASK-9

.81"
.938"
.313"

Length: 12 Ft.
No Lens
Part #
L-TASK-9

L-TASK-10F

1.146"
.730"
.916"
.645"
.705"
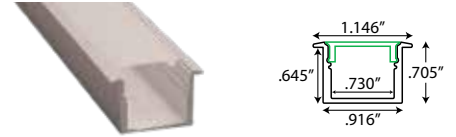
Length: 8 Ft.
Frosted Acrylic Lens
Part #
L-TASK-10F

L-TASK-11

.38"
.40"
.49"
.28"

Length: 8 Ft.
No Lens
Part #
L-TASK-11

L-TASK-12

.48"
.48"
.605"
.29"
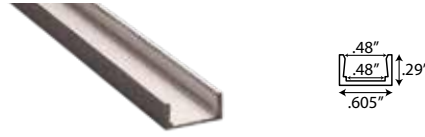
Length: 8 Ft.
No Lens
Part #
L-TASK-12

End Caps- Set of 2
Part #
L-TASK-12-END

Mounting Clips- Set of 2
Part #
L-TASK-12-CLIP

L-TASK-12F

.48"
.48"
.605"
.29"

Length: 8 Ft.
Frosted Styrene Lens
Part #
L-TASK-12F

End Caps- Set of 2
Part #
L-TASK-12-END

Mounting Clips- Set of 2
Part #
L-TASK-12-CLIP

L-TASK-13

1.17"
1.27"
.38"

Length: 8 Ft.
No Lens
Part #
L-TASK-13

L-TASK-14F

.583"
.58"
.864"
.433"
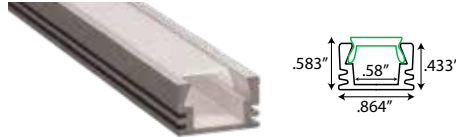
Length: 4 Ft.
Frosted Styrene Lens
Part #
L-TASK-14F

L-TASK-16

.876"
1"
.313"
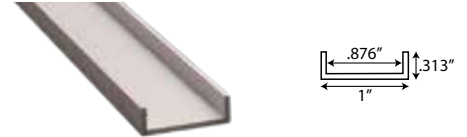
Length: 12 Ft.
No Lens
Part #
L-TASK-16

L-TASK-17

.56"
.525"
.648"
.29"

Length: 8 Ft.
No Lens
Part #
L-TASK-17

L-TASK-57

.249"
.375"
.375"

Length: 12 Ft.
No Lens
Part #
L-TASK-57

L-TASK-82

.254"
.374"
.374"

Length: 12 Ft.
No Lens
Part #
L-TASK-82

L-TASK-149

.25"
.45"
.50"

Finish: Mill With Tape
Length: 4 Ft.
No Lens
Part #
L-TASK-149

LED Aluminum Channels With Lens: *Create Your Own Light Fixture*

L-TASK-18-6
Length: 6.6 Ft. • Milky White Lens
Accessories *(2 End Caps & 2 Mounting Clips)*

Part #
L-TASK-18-6

End Caps- Set of 2

Part #
L-TASK-18-CAP

Mounting Clips- Set of 2

Part #
L-TASK-18-CLIP

.48"   .28"
.69"

L-TASK-18F-6
Length: 6.6 Ft. • Milky White Lens
Accessories *(2 End Caps & 2 Mounting Clips)*

Part #
L-TASK-18F-6

End Caps- Set of 2

Part #
L-TASK-18F-CAP

Mounting Clips- Set of 2

Part #
L-TASK-18F-CLIP

.96"
.24" .48" .28"
.69"

L-TASK-19D-*
Length: 6.6 Ft. • Milky White Lens
Accessories *(2 End Caps & 2 Mounting Clips)*

Part #
L-TASK-19D-6

End Caps- Set of 2

Part #
L-TASK-19D-CAP

Mounting Clips- Set of 2

Part #
L-TASK-19D-CLIP

.39"
.63"

L-TASK-19S-6
Length: 6.6 Ft. • Milky White Lens
Accessories *(2 End Caps & 2 Mounting Clips)*

Part #
L-TASK-19S-6

End Caps- Set of 2

Part #
L-TASK-19S-CAP

Mounting Clips- Set of 2

Part #
L-TASK-19S-CLIP

.39"
.63"

L-TASK-20PD-6
Length: 6.6 Ft. • Milky White Lens
Accessories *(2 End Caps & 2 Mounting Clips)*

Part #
L-TASK-20PD-6

End Caps- Set of 2

Part #
L-TASK-20PD-CAP

Mounting Clips- Set of 2

Part #
L-TASK-20PD-CLIP

1.17"   .81"
1.17"

L-TASK-21PD-6
Length: 6.6 Ft. • Milky White Lens
Accessories *(2 End Caps)*

Part #
L-TASK-21PD-6

End Caps- Set of 2

Part #
L-TASK-21PD-CAP

L-TASK-21PD-HANG
(2) Steel Cables 6.6 Ft. Length,
(2) Channel Fittings, (2) Ceiling Fittings,
(2) Screws & (2) Anchors

.67" 1.06"
.80"

L-TASK-22WP-6
Length: 6.6 Ft. • Milky White Lens
Accessories *(2 End Caps & 2 Mounting Clips)*

Part #
L-TASK-22WP-6

End Caps- Set of 2

Part #
L-TASK-22WP-CAP

Mounting Clips- Set of 2

Part #
L-TASK-22WP-CLIP

WATER PROOF

.50" .43"
.71"

L-TASK-23W-6
Length: 6.6 Ft. • Milky White Lens
Accessories *(2 End Caps & 2 Mounting Clips)*

Part #
L-TASK-23W-6

End Caps- Set of 2

Part #
L-TASK-23W-CAP

Mounting Clips- Set of 2

Part #
L-TASK-23W-CLIP

.87"
.20" .44" .24"
.60"

L-TASK-25-6
Length: 6.6 Ft. • Milky White Lens
Accessories *(2 End Caps & 2 Mounting Clips)*

Part #
L-TASK-25-6

End Caps- Set of 2

Part #
L-TASK-25-CAP

Mounting Clips- Set of 2

Part #
L-TASK-25-CLIP

1.54"
1.05"   .35"

L-TASK-26-6
Length: 6.6 Ft. • Milky White Lens
Accessories *(2 End Caps & 2 Mounting Clips)*

Part #
L-TASK-26-6

End Caps- Set of 2

Part #
L-TASK-26-CAP

Mounting Clips- Set of 2

Part #
L-TASK-26-CLIP

.80" .39"
.91"

LED Aluminum Channels With Lens: *Create Your Own Light Fixture* New

L-TASK-37-6

A.
B.
C.
D.
E.

Accessories for L-TASK-37-6

A. Channel & Lens

Length: 6.6 Ft.
Milky White Lens

1.19
2.03
1.43
2.95
2.13

Part #
L-TASK-37-6

B. Hanging Hardware Kit

Kit Includes:
2 Steel Cables (6.6 Ft.)
2 Clips • 2 Screws • 2 Anchors

Part #
L-TASK-37-HANG

C. Power Supply

1.57″ (40mm)
0.98″ (25mm)
3.31″ (84mm)

Output Volts:	24V
Max Watts:	96W
Max Amps:	4A
Input Cord:	8 in.
Output Cord:	8 in.
Wire Gauge:	18AWG

Part #
ENO-24V-4A-CDHW

D. End Caps

Set of 2

Part #
L-TASK-37-CAP

E. Mounting Clips

Set of 2

Part #
L-TASK-37-CLIP

Plastic PVC Channels: *Create Your Own Light Fixture*

- Designed for glass or acrylic edge lighting
- Holds our 3/8″ LED Ribbon
- Perfect for etched or engraved substrate light guide panels
- No adhesive needed - friction fit

Glass or Acrylic

L-TASK-133

Glass or Acrylic

L-TASK-133

L-TASK-35P-*

.328″
.375″
.25″

Length: 4 Ft. or 8 Ft.
No Lens

Part #	Finish	Length
L-TASK-35P-*	Clear	4 ft. (*4) or 8 ft. (*8)

L-TASK-50

.422″
.50″
.25″

Shown In Silver

Length: 4 Ft. or 8 Ft.
No Lens

Part #	Finish	Length
L-TASK-50P-*	Clear	4 ft. (*4) or 8 ft. (*8)
L-TASK-50PS-*	Silver	

L-TASK-133

.20″
.85″
.41″
.51″

Shown In Silver

Length: 8 Ft.
No Lens

Part #	Finish
L-TASK-133-SIL	Silver
L-TASK-133-BK	Black

Made in the U.S.A.

Introducing Outwater's
Vision Series
"See The Glow"

Our Special Opaque White Lens will soften & virtually eliminate hot spots

Outwater's Vision Series enables designers to readily create colorful RGB wallscapes or high luminescence task lights.

- LED vision system allows for the look of a fixture
- Tremendous design opportunities for custom sizes
- Options available to work with all of our ribbons

LED Lens

LENS CHARACTERISTICS				
Color	**Transmission**	**Dispersion**	**Surface Texture**	**LED Diodes**
Opaque White	Low	High	Smooth	Not Visible

Opaque White Lens: Allows the least light transmission. The effect softens the light, reduces glare and eliminates the "scalloping" caused by the LED's in most cases

These characteristics are general descriptions.
Customers must decide which color most suits their needs.

LED Channels

PART #	4MM	6MM	8MM W/O CONN	8MM W/ CONN	10MM W/O CONN	10MM W/ CONN	11MM x 6MM	12MM W/O CONN	12MM W/ CONN	15MM W/O CONN	15MM W/ CONN	15.9MM x 9.5MM	20MM W/O CONN	20MM W/ CONN	30MM	40MM
	.157" W	1/4" W	5/16" W	1/2" W	3/8" W	9/16" W	7/16" x 1/4"	1/2" W	5/8" W	9/16" W	13/16" W	5/8" x 3/8"	9/16" W	1" W	1-3/16" W	1-9/16" W
	SPT 12V	SPT 12V RGB DP 24V	ECO 12V DP 24V FLX 12V	ECO 12V DP 24V FLX 12V	CTL 24V RIB 24V ECO 12V FNR 24V	CTL 24V RIB 24V ECO 12V FNR 24V	MXL 120V	FNC 24V FVR 24V	FNC 24V FVR 24V	DP 24V	DP 24V	DBL RGB	DP 24V	DP 24V	DP 24V	DP 24V
Clear Anodized Aluminum Channels																
L-VISION-12BF	X	X	X		X	X		X		X			X			
L-VISION-3F	X	X	X		X		X			X			X			
L-VISION-3LF	X	X	X	X	X	X	X	X		X			X			
L-VISION-4D	X	X	X	X	X	X	X	X	X	X		X	X			
L-VISION-45	X	X	X	X	X	X	X	X	X	X		X	X			
L-VISION-7D	X	X	X	X	X	X	X	X	X	X	X	X	X			
L-VISION-8F	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X
L-VISION-10F	X	X	X	X	X	X	X	X	X	X		X	X			

English measurements converted from metric. Metric is the most accurate.

Our Vision Series: *Aluminum Channel with Opaque White Lens*

NO HOT SPOTS

L-VISION-12BF

.48″
.580″ .29″
.605″

Length: 8 Ft. • **Lens Material: Acrylic**

Part #
L-VISION-12BF

End Caps- Set of 2
Part #
L-VISION-12BF-END

Mounting Clips- Set of 2
Part #
L-VISION-12BF-CLIP

L-VISION-3F

.875″
.433″
.557″

Length: 4 Ft. • **Lens Material: Styrene**

Part #
L-VISION-3F

L-VISION-3LF

1.321″
.433″ .580″ .374″
.864″

**Length: 4 Ft.
Frosted Styrene Lens**

Part #
L-VISION-3LF

L-VISION-4D

.675″ .69″ .195″
.78″

Length: 8 Ft. • **Lens Material: Acrylic**

Part #
L-VISION-4D

L-VISION-4S

.72″ .69″ .195″
.78″

Length: 8 Ft. • **Lens Material: Acrylic**

Part #
L-VISION-4S

L-VISION-7D

.81″ 1.18″
1.18″

Length: 8 Ft. • **Lens Material: Styrene**

Part #
L-VISION-7D

Part #
L-VISION-7D-END

L-VISION-8F

1.73″
.60″ 1.275″ .75″
1.375″

Length: 8 Ft. • **Lens Material: Acrylic**

Part #
L-VISION-8F

L-VISION-10F

1.146″
.645″ .730″ .705″
.916″

Length: 8 Ft. • **Lens Material: Acrylic**

Part #
L-VISION-10F

Modular Vision Rail

Perfect For Task Lighting

- **NO GLARE!.. NO HOT SPOTS!**
- **Clean Continuous Lighting**
- **Modular Connections Allows User To Create Seamless Design**
- **Low Profile, Under 1"**
- **Super Bright!**
  Approximately 330 Lumens Per Foot!
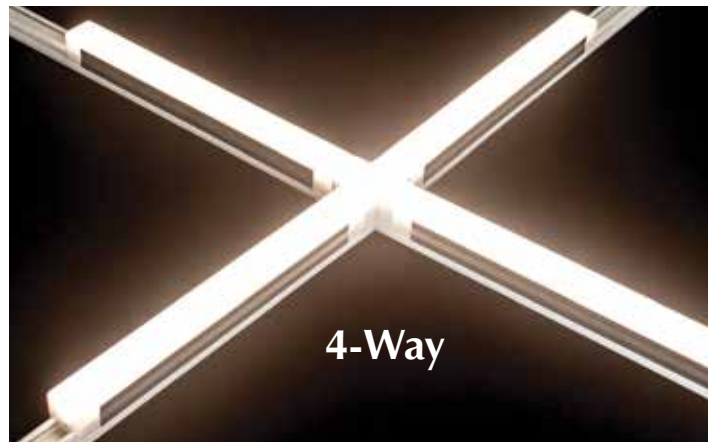- **Dimmable! When Dimmed Provides Soft & Ambient Light**
- **Limited 2 Year Warranty**

With Our New Modular Vision Rail, You Can Put A Light Anywhere You Need

Continuous Runs

3-Way

4-Way

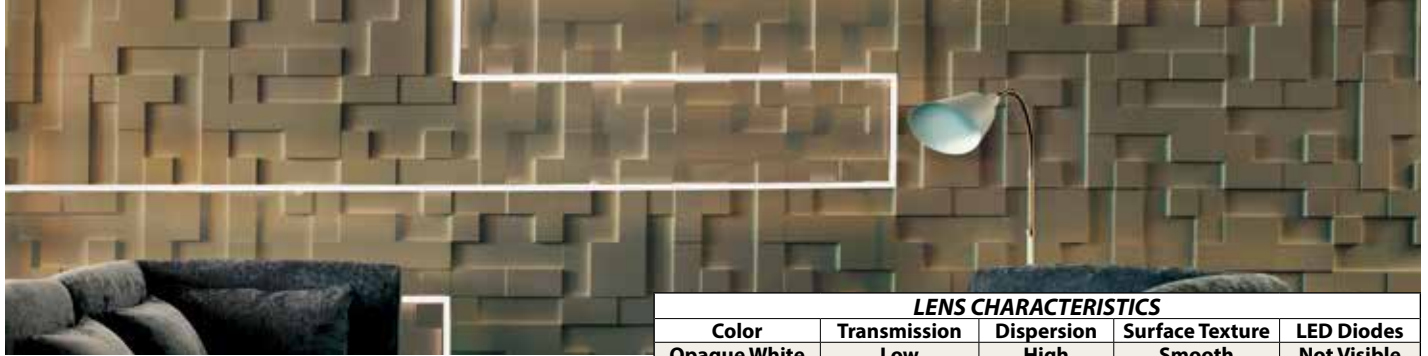**24V**   Super Bright Light Output   UL Power Supply

Modular Vision Rail

Available Lengths: 8", 1', & 2' Nominal
Material: Aluminum with Opaque White Polycarbonate Lens

| LENS CHARACTERISTICS				
Color	**Transmission**	**Dispersion**	**Surface Texture**	**LED Diodes**
Opaque White	Low	High	Smooth	Not Visible

Opaque White Lens: Allows lower light transmission, without seeing the LED diodes. The effect softens the light, reduces glare and eliminates the "scalloping" caused by the LED's in most cases.

Guide Rail Power Track
Material: ABS Plastic with Metal Rods

• Trimmable in the field

• Simply add lamp fixtures & connectors in any position onto the track
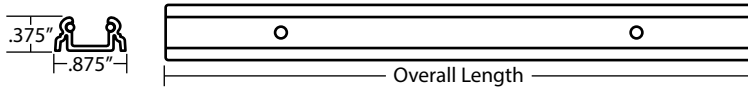
Part #	Overall Length
MVR-RAIL9	8.6"
MVR-RAIL13	12.9"
MVR-RAIL25	24.8"
MVR-RAIL49	48.8"
MVR-RAIL73	72.4"

.375" .875" Overall Length

Modular Vision Light *(Up To 680 Lumens Per Fixture)*
Material: Aluminum with Opaque White Polycarbonate Lens

• Unique magnetic connection will "CLICK" onto the track for easy assembly

Lighting Specifications

Color Temperature	PW: 4000K WW: 3000K
Lumens	MVR-8-*: 220 MVR-12-*: 380 MVR-24-*: 680
Color Rendering Index	80+
Rated Average Life	50,000 hrs.
Constant	Current
Chip Size	SMD2835

.74" .78" Overall Length

Part #	Overall Length	# Of LED Chips	Total Wattage	Max # Can Connect
*Pure White *PW & Warm White *WW*				
MVR-8-*	7.8"	24	3	16'
MVR-12-*	11.8"	36	5	16'
MVR-24-*	23.6"	60	9	16'

Power Linking Cable
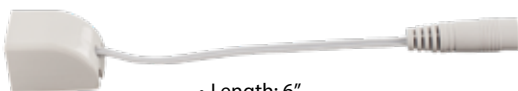
• Length: 6"
• Finish: White

Part #	Description
MVR-PWL	Without Switch

Illuminated Connectors
(Material: Aluminum with Opaque White Polycarbonate Lens)

1.18" L x 1.18" W x .74" H
MVR-ANGLE-*

1.57" L x 1.57" W x .74" H
MVR-CROSS-*

Lighting Specifications

Color Temperature	PW: 4000K WW: 3000K
Lumens	MVR-ANGLE: 40 MVR-CROSS: 90
Color Rendering Index	80+
Rated Average Life	50,000 hrs.
Constant	Current
Chip Size	SMD2835

*Pure White *PW & Warm White *WW*

Power Supply

Super Bright Light Output

24V

Accessories for Modular Vision Rail

Required	*Optional* (Pick One Option)	*Optional*	*Required*	*Required*	*Optional* (Any Combination)	*Required*
Power Supply	**Dimmer** *or* **Switch**	**Multi Output Cable**	**Power Linking Cable**	**Track**	**Connector** *&/or* **Connecting Cable**	**Modular Vision Rail**
See Page R-66	*See Page R-66* *See Page R-145*	*See Page R-66*	*See Page R-65*	*See Page R-65*	*See Page R-65* *See Page R-66*	*See Page R-65*

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-1A	Wall Mount	1A	24V	24W	3.13"L x 2.07"W x 1.52"H
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Optional

Dimmers

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H
LED-INLINE-TCHDIM	Inline Touch	Black	0-100%	1-1/4"L x 3/4"W x 7/16"H

For Product Details & More Dimmer Options, See Pages R-138~140, R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Multi Output Cables

2-Way Sweep: DC 5.5

3-Way Spider: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
LED-2WAY-BK	2-Way Sweep	Black	3"	2	6-3/4"	2
LED-SPIDER-CBL	3-Way Spider	Black	4-1/2"	3	96"	4

For More Extension Cable Options, See Page R-143
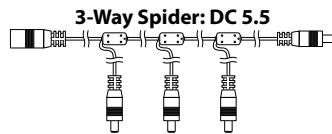
Connecting Cables

Part #	Description	Finish	Length
MVR-CC24	Is to allow the designer to get around unlit	White	23.6"
MVR-CC40	areas without multiple power supplies	White	39.3"

Omni Wand: *One System With Multiple Solutions*

The Problem:

This Display required 16 different custom sized light fixtures, which would have been very costly and time consuming to order with an extensive lead time.

The Solution:

Omni Wand made this project simple and cost effective utilizing just one system. Up to 8 ft. long, the Omni Wand fixture can be easily trimmed to any size required. With Omni Wand, now you are finally in control to create lights as per your specs... not the other way around.

Many Mounting & Connecting Options

Frosted Polycarbonate Lens

Power Track For Adjustable Spot Lights

High Intensity 5630 LED Rigid Ribbon Strip
WW- 31000K & CW- 6500K

Trimmable Housing

LENS CHARACTERISTICS				
Color	Transmission	Dispersion	Surface Texture	LED Diodes
Frosted	High	Low	Pebbled	Visible

Frosted Lens: Allows the most light transmission. This is recommended for task lighting.

Omni Wand: *One System With Multiple Solutions*

Pre–Assembled Fixtures
See Page R-69

Customize Lengths Up To 8 Ft.
See Page R-70

Perimeter & Showcase Lighting
See Page R-73

Omni Vertical
See Page R-71
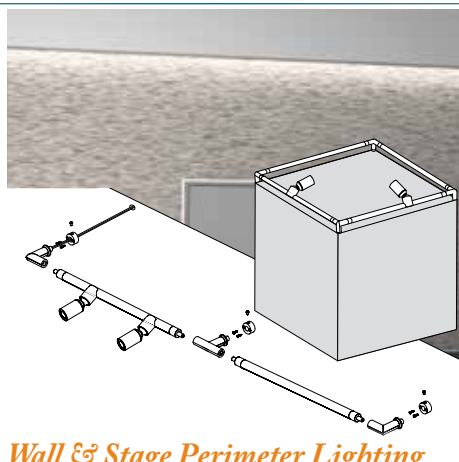
Wall & Stage Perimeter Lighting
See Omni Wand Brochure

Glass Shelf Lighting
See Omni Wand Brochure
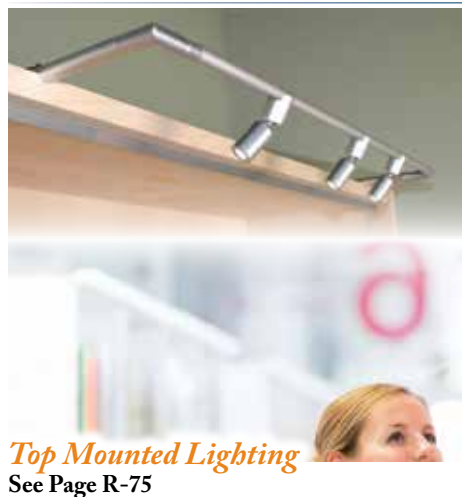
Top Mounted Lighting
See Page R-75

Omni Wand Sample Kit & Accessories
See Page R-76

POWER SUPPLY INCLUDED

Omni Wand Booklet
Ask For Brochure DS-16Omni

Outwater Plastics Industries, Inc.

12V

Super Bright Light Output

UL Power Supply

Omni Wand T2: Pre-Assembled 12" Fixture With Lens
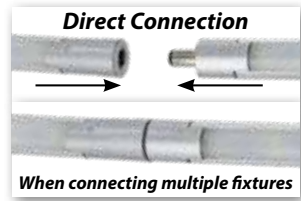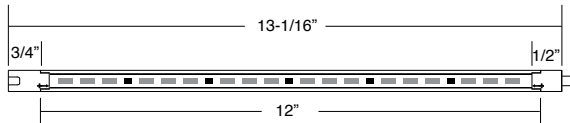
Omni Wand: *One System With Multiple Solutions*
Available Lengths: 12"
Material: Clear Anodized Aluminum Channel with Frosted Polycarbonate Lens

• Clear Anodized
• Fixture can be rotated even when installed
• 12" (nominal) length

"Packs A Bright Punch In A Small Profile"

Male End

13-1/16"
3/4"   1/2"
12"

Female End

Direct Connection

When connecting multiple fixtures

Lighting Specifications

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
*Cool White *CW & Warm White *WW*				
LED-OS-116-*	12"	18	9	8

Color Temperature	CW: 6500K WW: 3100K
Beam Spread	120º
Lumens	CW: 540 WW: 450
Color Rendering Index	CW/WW: 80
Rated Average Life	50,000 hrs.
Constant	Voltage

Accessories For Omni Wand T2

Required	*Optional* (Pick One Option)		*Optional* (Any Combination)			*Required*	*Optional*
Power Supply	Dimmer	Switch	Connecting Cable	U-Connector	Mounting Clips	Omni Wand Fixture	End Cap
See Page R-69	*See Page R-69*	*See Page R-69*	*See Page R-70*	*See Booklet*	*See Page R-70*	*See Page R-69*	*See Page R-70*

+ *or* *+* *&/or* *&/or* *+* *+*

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-1A	Wall Mount	1A	12V	12W	2.91"L x 1.61"W x 1.14"H
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Optional

Dimmers

Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Switches

Part #	Description	Finish	Mounting	Dimensions
LED-SWITCH-3A/6A	On/Off	Black	Surface	2-1/4"L x 1"W x 3/4"H

For Product Details & More Switch Options, See Page R-145

For Additional Accessories, See Page R-76

UL Power Supply · Super Bright Light Output · **12V**

Create Your Own Custom LED Omni Wand Lighting Up To 8 Ft.

Omni Wand: *One System With Multiple Solutions*
Available Lengths: Up To 8′
Material: Clear Anodized Aluminum Channel with Frosted Polycarbonate Lens

it's as **Easy** as

1 Cut omni housing to size

2 Measure and fill housing with ribbon strip and solderless clip

3 Add proper end to fixture and snap lens into place

Frosted Polycarbonate Lens

Power Track For Adjustable Spot Lights

5630 LED Rigid Ribbon Strip
WW- 3100K & CW- 6500K

Trimmable Housing

1/2″ Dia.
Shown with housing and lens

Rigid Ribbon: *In Cool White Or Warm White*

12V / 5.4W
Color Temperature: CW: 6200-6800K / WW: 2800-3200K
Lumens: CW: 485 / WW: 450
Beam Spread: 120°   Length: 12″   Trimmable every 2″

LED-PCB2-12-*
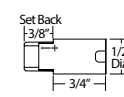*Cool White (*CW) & Warm White (*WW)*

Housing Extrusion
4 ft. (*4) & 8 ft. (*8)
Diameter: 1/2″
Material: Aluminum
Finish: Clear Anodized
Designed to receive our 5630
SMD Rigid Ribbon & Power Track

LED-OS-400-*

Female/Male Connecting Cable
Length- 24″: **LED-OS-24**
Length- 30″: **LED-OS-30**
Length- 48″: **LED-OS-48**

Solderless Clips
Effortlessly joins multiple
Ribbons and Track
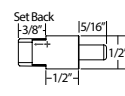
LED-PCB-CLIP

Circuit Bridging Kit
Kit includes 2″Trimmable
Power Track & 1 Solderless Clip
Kit allows
adjustments to 1/16″

For More Info, Please Inquire

LED-OS-EXT

Frosted Polycarbonate Lens
4 ft. (*4) & 8 ft. (*8)

LED-OS-216-*

Female End
Used for power input
Set Back 3/8″ · 1/2″ Dia. · 3/4″

LED-OS-665-L

Female End Cap
3/16″ · 1/16″ Thick · 3/16″ · 1/2″ Dia.

LED-OS-664

Male End
Used for power input
*Left (*L) & Right (*R)*
Set Back 3/8″ · 5/16″ · 1/2″ · 1/2″

LED-OS-657-*

Male End Cap
1/2″ · 1/2″

LED-OS-663

Finishing End Cap
Designed to connect
directly to housing
1/4″ · 1/2″ · Set Back 5/16″ · 1/8″

LED-OS-667

Mounting Clips
Material: Polycarbonate
Size: 1/2″
Screw Included
Light Can Pivot With Mounting Clip

LED-OS-676

Standoff Mount
Material: Aluminum
7/16″ · 1/2″ · 3/4″ · 1/4″ · 1/8″
Screws Included

LED-OS-660

12V | Super Bright Light Output | UL Power Supply

Omni Wand: Vertical

Omni Wand: *One System With Multiple Solutions*
Available Lengths: In Pre-Fabricated 10" & 16" Lengths or Create Your Own Length
Material: Clear Anodized Aluminum Channel with Frosted Polycarbonate Lens

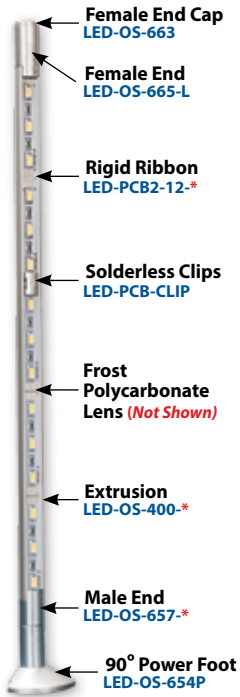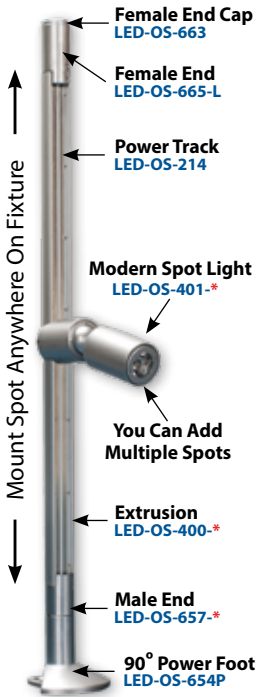As previously noted, the LED Omni Wand System's Spot Vertical LED Lighting System enables one to utilize corresponding snap on Modern Swivel or Bell Swivel Spot Lights for a targeted 15° beam spread, which can be added, removed or even repositioned to accommodate one's ever changing lighting needs along the length of the System's kitted 10-in. and 16-in. long, ½-in. diameter silver anodized aluminum fixtures.
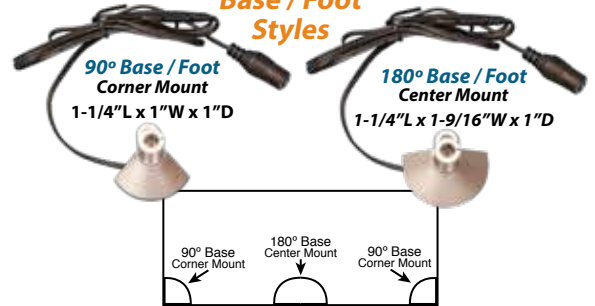
Omni Wand Fixture

Female End Cap
LED-OS-663

Female End
LED-OS-665-L

Rigid Ribbon
LED-PCB2-12-*

Solderless Clips
LED-PCB-CLIP

Frost Polycarbonate Lens *(Not Shown)*

Extrusion
LED-OS-400-*

Male End
LED-OS-657-*

90° Power Foot
LED-OS-654P

Modern Style Fixture

Female End Cap
LED-OS-663

Female End
LED-OS-665-L

Power Track
LED-OS-214

Modern Spot Light
LED-OS-401-*

Mount Spot Anywhere On Fixture

You Can Add Multiple Spots

Extrusion
LED-OS-400-*

Male End
LED-OS-657-*

90° Power Foot
LED-OS-654P

Bell Style Fixture

Female End Cap
LED-OS-663

Female End
LED-OS-665-L

Power Track
LED-OS-214

Bell Spot Light
LED-OS-402-*

Mount Spot Anywhere On Fixture

You Can Add Multiple Spots

Extrusion
LED-OS-400-*

Male End
LED-OS-657-*

90° Power Foot
LED-OS-654P

Base / Foot Styles

90° Base / Foot
Corner Mount
1-1/4"L x 1"W x 1"D

180° Base / Foot
Center Mount
1-1/4"L x 1-9/16"W x 1"D

90° Base Corner Mount | 180° Base Center Mount | 90° Base Corner Mount

10" & 16" Pre-Fabricated Fixtures

Part #	Color Temp	Kit Includes	Size	# Of LED Chips	Total Wattage
OMNI WAND FIXTURE					
LED-OS-V10-3*180		(1) Wand Light & (1) 180° Base / Foot	10" Height	12	3.6W
LED-OS-V16-3*180	Cool White (*CW)	(1) Wand Light & (1) 180° Base / Foot	16" Height	21	6.3W
LED-OS-V10-3*90	Warm White (*WW)	(1) Wand Light & (1) 90° Base / Foot	10" Height	12	3.6W
LED-OS-V16-3*90		(1) Wand Light & (1) 90° Base / Foot	16" Height	21	6.3W
MODERN STYLE FIXTURE					
LED-OS-V10-1*180		(1) Modern Spot Light & (1) 180° Base / Foot	10" Height	1	1W
LED-OS-V16-1*180	Cool White (*CW)	(1) Modern Spot Light & (1) 180° Base / Foot	16" Height	1	1W
LED-OS-V10-1*90	Warm White (*WW)	(1) Modern Spot Light & (1) 90° Base / Foot	10" Height	1	1W
LED-OS-V16-1*90		(1) Modern Spot Light & (1) 90° Base / Foot	16" Height	1	1W
BELL STYLE FIXTURE					
LED-OS-V10-2*180		(1) Bell Spot Light & (1) 180° Base / Foot	10" Height	1	1W
LED-OS-V16-2*180	Cool White (*CW)	(1) Bell Spot Light & (1) 180° Base / Foot	16" Height	1	1W
LED-OS-V10-2*90	Warm White (*WW)	(1) Bell Spot Light & (1) 90° Base / Foot	10" Height	1	1W
LED-OS-V16-2*90		(1) Bell Spot Light & (1) 90° Base / Foot	16" Height	1	1W
ADD A SPOT					
LED-OS-401-*	Cool White (*CW)	(1) Modern Spot Light	2-3/8"L x 11/16" Dia.	1	1W
LED-OS-402-*	Warm White (*WW)	(1) Bell Spot Light	2-1/2"L x 1-1/4" Dia.	1	1W

UL Power Supply | **Super Bright Light Output** | **12V**

Create Your Own Custom LED Omni Wand Lighting Up To 8 Ft.

Omni Wand: *One System With Multiple Solutions*
Available Lengths: Up To 8'
Material: Clear Anodized Aluminum Channel with Frosted Polycarbonate Lens

Housing Extrusion

LED-OS-400-*
*4 ft. (*4) & 8 ft. (*8)*
Diameter: 1/2"
Material: Aluminum
Finish: Clear Anodized
Designed to receive our 5630 SMD
Rigid Ribbon & Power Track

Rigid Ribbon

In Cool White or Warm White

12V / 5.4W
Color Temperature:
CW: 6200- 6500K
WW: 2800-3200K
Lumens:
CW: 485 / WW: 450
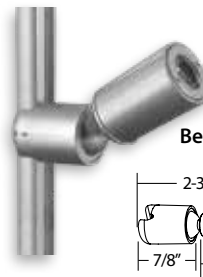**Beam Spread:** 120°

LED-PCB2-12-*
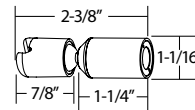*Cool White (*CW) & Warm White (*WW)*
Length: 12"
Trimmable every 2"

Modern Swivel Spot Light

In Cool White or Warm White

12V / 1W
Lumens:
CW: 80
WW: 60
Beam Spread: 15°

2-3/8"
1-1/16"
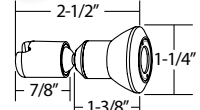7/8"
1-1/4"

LED-OS-401-*
*Cool White (*CW) & Warm White (*WW)*

Bell Swivel Spot Light

In Cool White or Warm White

12V / 1W
Lumens:
CW: 80
WW: 60
Beam Spread: 15°

2-1/2"
1-1/4"
7/8"
1-3/8"

LED-OS-402-*
*Cool White (*CW) & Warm White (*WW)*

Power Track
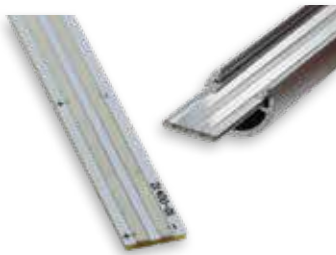
LED-OS-214
Length: 39"
Works With Any Spot

Frosted Polycarbonate Lens
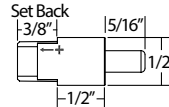
LED-OS-216-*
*4 ft. (*4) & 8 ft. (*8)*

Solderless Clip

LED-PCB-CLIP
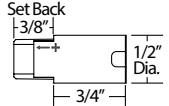Effortlessly joins multiple
Ribbons and Track

Male End

Set Back
3/8"
5/16"
1/2"
1/2"

LED-OS-657-*
Used for power output

Female End

Set Back
3/8"
1/2" Dia.
3/4"

LED-OS-665-L
Used for power output

Female End Cap

3/16"
3/16"
1/16" Thick
1/2" Dia.

LED-OS-664

Finishing End

1/4"
1/2"
Set Back 5/16"
1/8"

LED-OS-667
Designed to connect directly to housing

90° Power Foot (Plastic)

1/2" Dia.
1-1/4"
1"
1"
60"

Without Cover

Cover & Screw Included
LED-OS-654P

With 60" power cord
For heights over 2 ft. with multiple spots
we recommend metal O-Flange

180° Power Foot (Plastic)

1/2" Dia.
1-1/4"
1"
1-9/16"
60"

Without Cover

Cover & Screw Included
LED-OS-655P

With 60" power cord
For heights over 2 ft. with multiple spots
we recommend metal O-Flange

Deluxe O-Flange (Metal)

Offers robust screw mounted support and is ideal for use in highly trafficked vertical or horizontal applications. Can be used on top & bottom.

5/8"
Cover Cap (Included): 1-1/2" Dia.
1-3/4"
1-3/8"

LED-OS-681
2 Screws Included

Hex Key Included

Power Cord With Solderless Clip

Designed to provide power to Rigid Ribbon Strips housed in the O-Flange. Comes with Female DC 5.5 and one Solderless Clip. O-Flange sold separately.
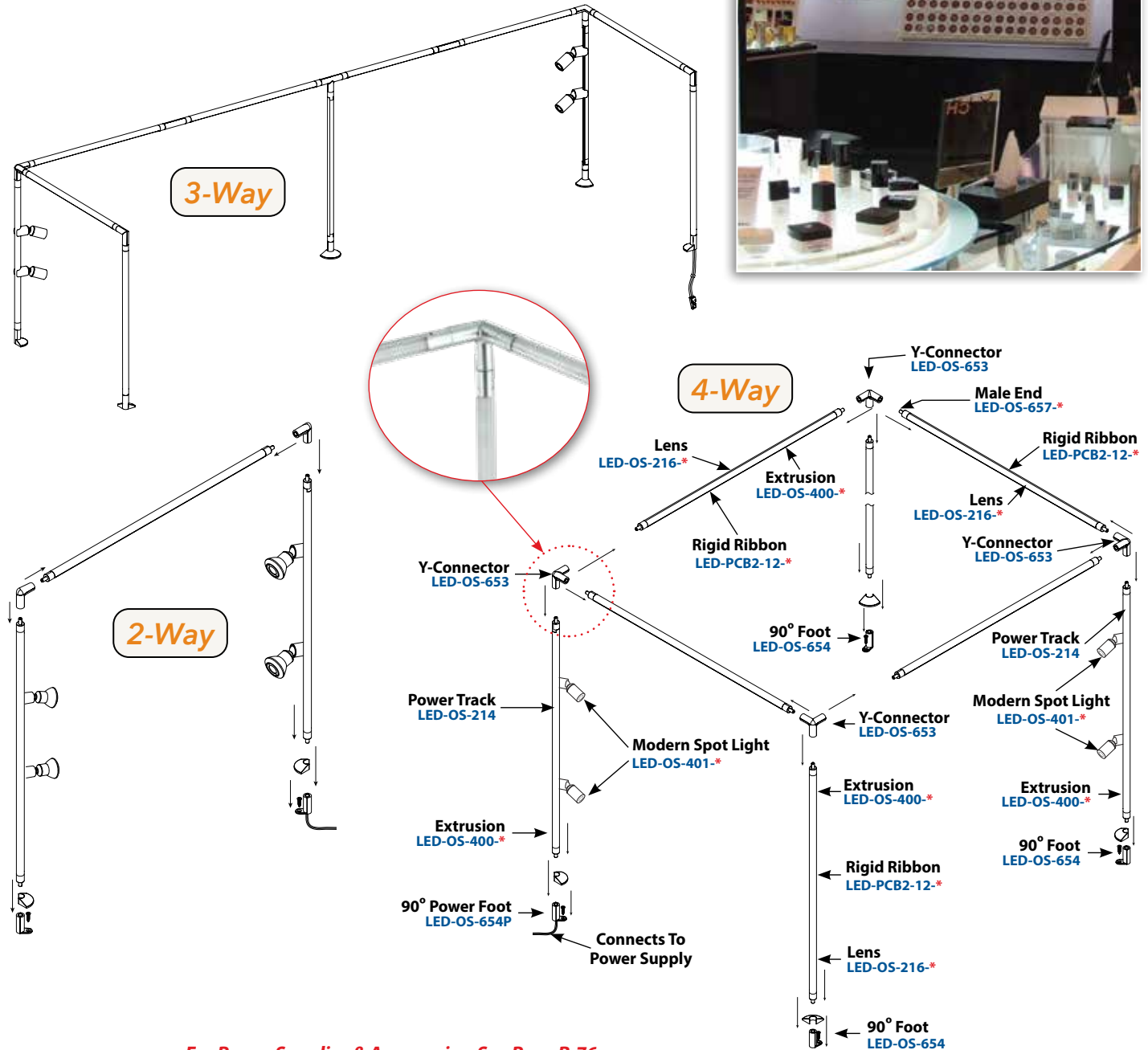
Works With O-Flange

LED-OS-662P
Length: 60"

Omni Wand: 2-Way, 3-Way & 4-Way Perimeter Lighting

Omni Wand: *One System With Multiple Solutions*
Material: Clear Anodized Aluminum Channel with Frosted Polycarbonate Lens

The LED Omni Wand System's Housing can be easily rotated even after installation to direct a generous 120° linear beam spread wherever it may be desired. In addition, the System can accommodate snap on Modern Swivel or Bell Swivel Spot Lights for a targeted 15° beam spread, which can be added, removed or even repositioned to accommodate one's ever changing lighting needs.

3-Way

4-Way

2-Way

Y-Connector
LED-OS-653

Male End
LED-OS-657-*

Rigid Ribbon
LED-PCB2-12-*

Lens
LED-OS-216-*

Extrusion
LED-OS-400-*

Lens
LED-OS-216-*

Rigid Ribbon
LED-PCB2-12-*

Y-Connector
LED-OS-653

Y-Connector
LED-OS-653

Power Track
LED-OS-214

90° Foot
LED-OS-654

Modern Spot Light
LED-OS-401-*

Power Track
LED-OS-214

Extrusion
LED-OS-400-*

Modern Spot Light
LED-OS-401-*

Y-Connector
LED-OS-653

Extrusion
LED-OS-400-*

90° Foot
LED-OS-654

Extrusion
LED-OS-400-*

Rigid Ribbon
LED-PCB2-12-*

90° Power Foot
LED-OS-654P

Connects To
Power Supply

Lens
LED-OS-216-*

90° Foot
LED-OS-654

Power Supply · Super Bright Light Output · **12V**

Omni Wand: 2-Way, 3-Way & 4-Way Perimeter Lighting

Omni Wand: *One System With Multiple Solutions*
Material: Clear Anodized Aluminum Channel with Frosted Polycarbonate Lens

Housing Extrusion

4 ft. (*4) & 8 ft. (*8)
Diameter: 1/2"
Material: Aluminum
Finish: Clear Anodized
Designed to receive our
5630 SMD Rigid Ribbon & Power Track
LED-OS-400-*

Rigid Ribbon

In Cool White or Warm White

12V / 5.4W
Color Temperature:
CW: 6200- 6500K
WW: 2800-3200K
Lumens:
CW: 485 / WW: 450
Beam Spread: 120°

Length: 12"
Trimmable every 2"
LED-PCB2-12-*
Cool White (*CW) & Warm White (*WW)

Modern Swivel Spot Light

In Cool White or Warm White

12V / 1W
Lumens:
CW: 80
WW: 60
Beam Spread: 15°

2-3/8" · 1-1/16" · 7/8" · 1-1/4"

LED-OS-401-*
Cool White (*CW) & Warm White (*WW)

Bell Swivel Spot Light

In Cool White or Warm White

12V / 1W
Lumens:
CW: 80
WW: 60
Beam Spread: 15°

2-1/2" · 1-1/4" · 7/8" · 1-3/8"

LED-OS-402-*
Cool White (*CW) & Warm White (*WW)

Power Track

Length: 39"
Works With Any Spot

LED-OS-214

Frosted Polycarbonate Lens

4 ft. (*4) & 8 ft. (*8)

LED-OS-216-*

Solderless Clip

Effortlessly joins multiple
Ribbons and Track
LED-PCB-CLIP

Circuit Bridging Kit

Kit includes 2"Trimmable Power Track
& 1 Solderless Clip
Kit allows adjustments to 1/16"

LED-OS-EXT
For More Info, Please Inquire

90° Foot (Plastic)

1/2" Dia. · 1-1/4" · 1" · 1"

Without Cover

Cover & Screw Included
LED-OS-654
For heights over 2 ft. with multiple spots
we recommend metal O-Flange

### 90° Power Foot (Plastic)

1/2" Dia. · 1-1/4" · 1" · 1" · 60"

Without Cover

Cover & Screw Included
LED-OS-654P
With 60" power cord
For heights over 2 ft. with multiple spots
we recommend metal O-Flange

Deluxe O-Flange (Metal)

*Offers robust screw mounted support and
is ideal for use in highly trafficked vertical
or horizontal applications. Can be used
on top & bottom.*

5/8" · *Cover Cap (Included): 1-1/2" Dia.* · 1-3/4" · 1-3/8"

LED-OS-681
2 Screws Included
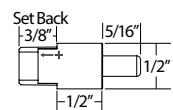
Hex Key Included
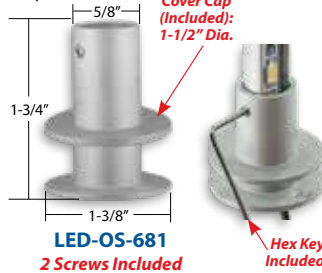
Power Cord With Solderless Clip

*Designed to provide power to Rigid
Ribbon Strips housed in the O-Flange.
Comes with Female DC 5.5 and one
Solderless Clip. O-Flange sold separately.*

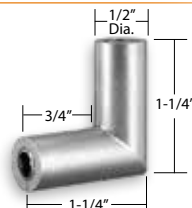*Works With O-Flange*

LED-OS-662P
Length: 60"

Male End

Used for power output

Set Back · 3/8" · 5/16" · 1/2" · 1/2"

LED-OS-657-*
Left (*L) & Right (*R)

L-Connector

1/2" Dia. · 3/4" · 1-1/4" · 1-1/4"

LED-OS-652

Y-Connector

1-1/4" · 3/4" · 1-1/4" · 1/2" Dia.
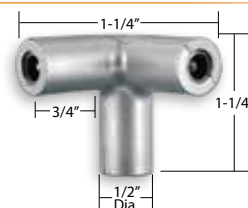
LED-OS-653

T-Connector

2" · 1/2" Dia. · 3/4" · 1/1/4"
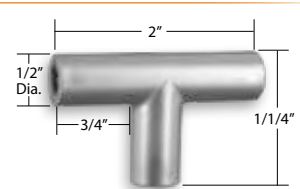
LED-OS-651

For Power Supplies & Accessories, See Page R-76

12V | Super Bright Light Output | UL Power Supply

Omni Wand: Top Mount

Omni Wand: *One System With Multiple Solutions*
Material: Clear Anodized Aluminum Channel with Frosted Polycarbonate Lens

The LED Omni Wand System can also be used as Top Mounted LED Lighting. Utilizing high intensity 5630 SMD chips, the System radiates beautiful unimpeded illumination without shadows or scalloping, lending itself for use as a perfect wall washing light. The System's brackets are extremely durable and comprise all aluminum museum quality construction. The lighting can be mounted either horizontally or vertically and can be pivoted within its housing to direct the lighting where it is required.
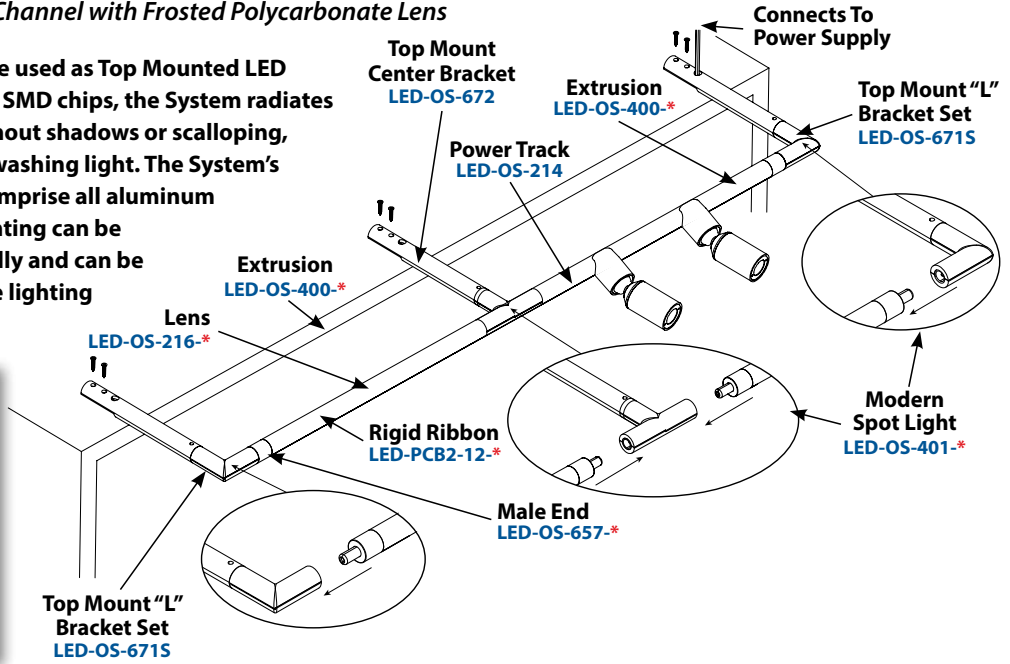
Connects To Power Supply

Top Mount Center Bracket
LED-OS-672

Extrusion
LED-OS-400-*

Top Mount "L" Bracket Set
LED-OS-671S

Power Track
LED-OS-214

Extrusion
LED-OS-400-*

Lens
LED-OS-216-*

Modern Spot Light
LED-OS-401-*

Rigid Ribbon
LED-PCB2-12-*

Male End
LED-OS-657-*

Top Mount "L" Bracket Set
LED-OS-671S

Rigid Ribbon

In Cool White or Warm White
12V / 5.4W
Color Temperature:
CW: 6200-6500K / WW: 2800-3200K
Lumens: CW: 485 / WW: 450
Beam Spread: 120°
Length: 12"
Trimmable: Every 2"

LED-PCB2-12-*
*Cool White (*CW) & Warm White (*WW)*

Housing Extrusion

Diameter: 1/2"
Material: Aluminum
Finish: Clear Anodized
Designed to receive our
5630 SMD Rigid Ribbon & Power Track

LED-OS-400-*
*4 ft. (*4) & 8 ft. (*8)*

Solderless Clips

Effortlessly joins multiple Ribbons and Track

LED-PCB-CLIP

Top Mount "L" Bracket Set

With 60" power cord

1-1/4"
3/4"
5-1/4"
4" Extension From Shelf
1-1/4"
60"

LED-OS-671S

Power Track

Length: 39"
Works With Any Spot

LED-OS-214

Modern Swivel Spot Light

In Cool White or Warm White

2-3/8"
1-1/16"
7/8"
1-1/4"
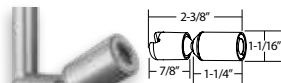
12V / 1W
Lumens: CW: 80 / WW: 60
Beam Spread: 15°
LED-OS-401-*: $17.30 ea.
*Cool White (*CW) & Warm White (*WW)*

Bell Swivel Spot Light

In Cool White or Warm White

2-1/2"
1-1/4"
7/8"
1-3/8"
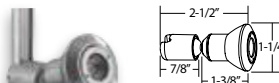
12V / 1W
Lumens: CW: 80 / WW: 60
Beam Spread: 15°
LED-OS-402-*
*Cool White (*CW) & Warm White (*WW)*

Top Mount "L" Bracket Set

2"
1/2" Dia.
3/4"
5-1/4"
4" Extension From Shelf
1-1/4"

LED-OS-672

Circuit Bridging Kit

Kit includes 2" Trimmable Power Track & 1 Solderless Clip
Kit allows adjustments to 1/16"

LED-OS-EXT
For More Info, Please Inquire

Frosted Polycarbonate Lens

LED-OS-216-*
*4 ft. (*4) & 8 ft. (*8)*

Male End

Used for power input

Set Back
3/8"
5/16"
1/2"
1/2"

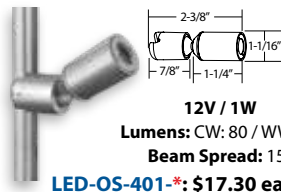**LED-OS-657-***
*Left (*L) & Right (*R)*

For Power Supplies & Accessories, See Page R-76

Power Supply | Super Bright Light Output | 12V

Accessories For Omni Wand System

Omni Wand: *One System With Multiple Solutions*
Material: Clear Anodized Aluminum Channel with Frosted Polycarbonate Lens

Required   **Optional** (Pick One Option)   **Optional**   **Required**
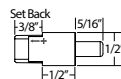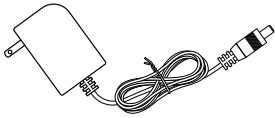
Power Supply + Dimmer *or* Switch *or* Motion Sensor + Connecting Cable + Omni Wand Fixture

---

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-1A	Wall Mount	1A	12V	12W	2.91"L x 1.61"W x 1.14"H
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: *Plug In* | *Hardwire* | *Hardwire Dimmable* | *Rechargeable Battery*
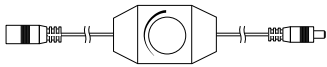
Optional

Dimmers

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H
LED-DIM-648D	Standard Touch	Silver/Black	0-100%	22mm: Dia. x 16mm: W

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: *Rotary* | *Touch Dimmer* | *Radio Frequency*

Switches

Part #	Description	Finish	Mounting	Dimensions
LED-SWITCH-3A/6A	On/Off	Black	Surface	2-1/4"L x 1"W x 3/4"H

For Product Details & More Switch Options, See Page R-145

Motion Sensors

Part #	Description	Finish	Mounting	Dimensions
LED-DSEN	Door Sensor	Silver	Surface/Recessed	Surface: 2-1/2"L x 1-1/8"W x 11/16"H Recessed: 2-1/2"L x 5/8": Dia.

For Product Details & More Motion Sensor Options, See Page R-138

Connecting Cable

Part #	Description	Finish	Length
LED-OS-24	Allows the designer to get around unlit areas without multiple power supplies	Silver/Black	24"
LED-OS-30		Silver/Black	30"
LED-OS-48		Silver/Black	48"

12V · Super Bright Light Output · UL Power Supply

Omni Wand: Sample Kit

Omni Wand: *One System With Multiple Solutions*
Material: Aluminum with Polycarbonate Accessories

Experience the LED Omni Wand System for yourself! This fully functional "plug & play" sample kit comes complete with a power supply and everything you will need to come to appreciate this unprecedented, extremely versatile lighting system!

Light Can Pivot With Mounting Clip

H

G

F

E

A

B

C

D

Complete Working Kit
PART#: LED-OMNI-KIT
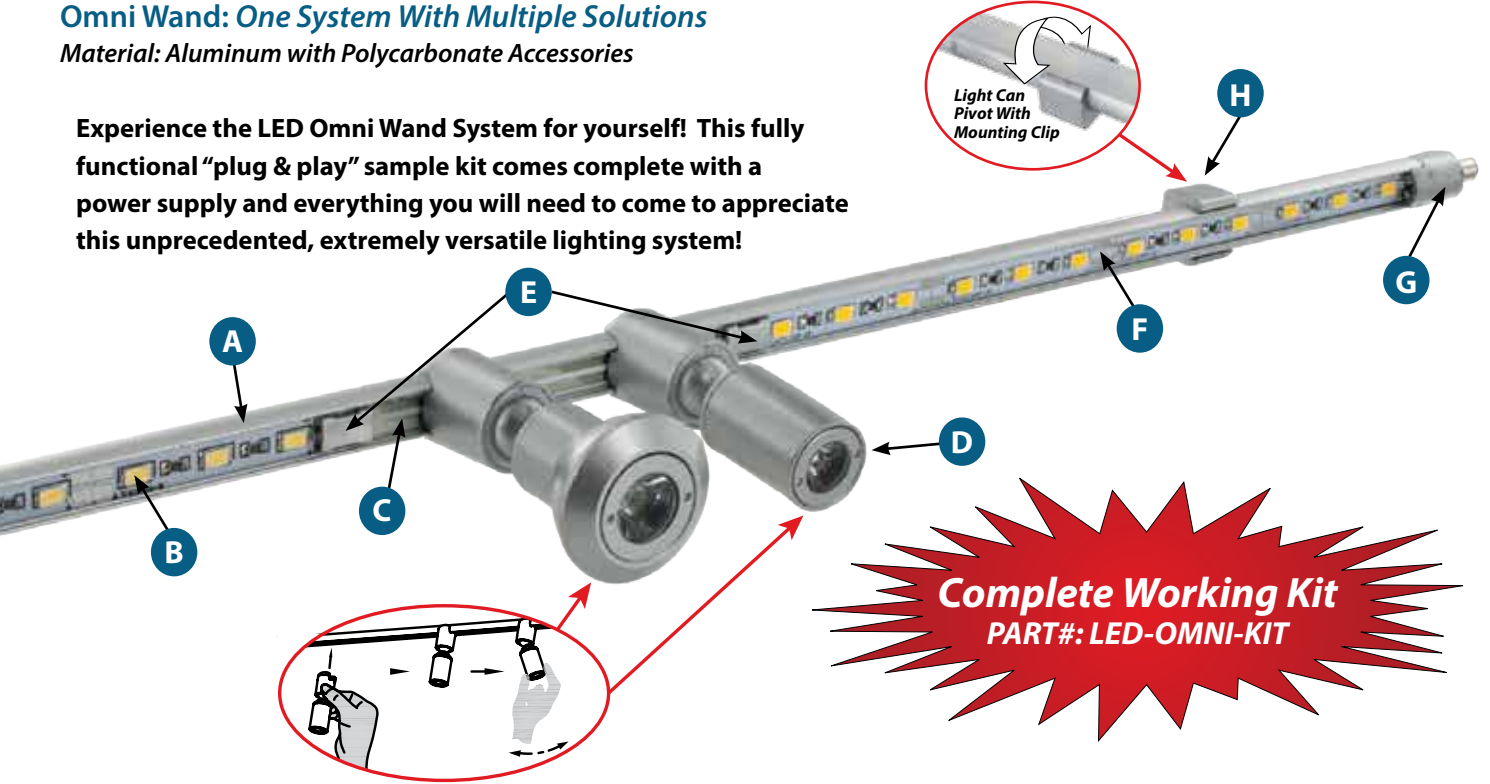
KIT INCLUDES

A
18" Omni Wand Housing Extrusion

B
6" Cool White Rigid Ribbon Strip
(5630 SMD Chip)

12V

C
6" Power Track

D
Bell/Modern Style Spots:
Cool White (1) & Warm White (1)

E
Solderless Clips (2)

12V

F
6" Warm White Rigid Ribbon Strip
(5630 SMD Chip)

G
Female End (1) & Male End (1)

Light Can Pivot With Mounting Clip

H
Mounting Clip With Screws

Frosted Polycarbonate Lens

Constant Voltage

DC 5.5

12V Power Supply

Look Of Fluorescent With Functionality & Energy Savings Of LED

STARLINK

- **Even Illumination**
- **No Hotspots**
- **No Power Supply**
- **Simply Plug & Play**
- **Can Link Up To 75 pcs. Off One Power Cord**
- **Limited 3 Year Warranty**

Sizes Available: 1', 2', 3' & 4'
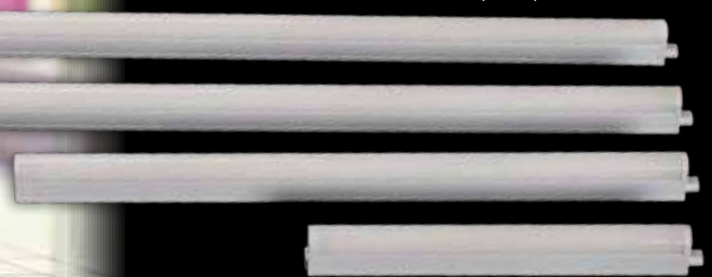
Several Mounting Options

Glass Clip

Shelf Clip

45º Clip

Magnetic Tape
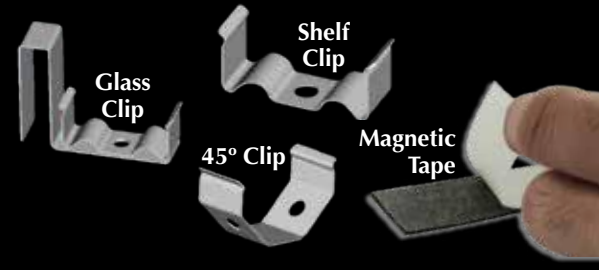
Virtually Seamless Connection
With Very Little Loss Of Light When Connected

Only .40" gap, while others can be up to 2"

90º Angled Power Cord
Power Cord With Rocker Switch & Right Angle Space Saving Connection

LED Lens

LENS CHARACTERISTICS				
Color	Transmission	Dispersion	Surface Texture	LED Diodes
Opaque White	Low	High	Smooth	Not Visible

Opaque White Lens: Allows the least light transmission. The effect softens the light, reduces glare and eliminates the "scalloping" caused by the LED's in most cases

ETL · **Super Bright Light Output** · **120V**

Starlink T5 Light Fixture

Available Nominal Lengths: 1', 2', 3' & 4'
Material: Polycarbonate with Opaque White Polycarbonate Lens

Starlink T5 Lighting Fixture *(Up To 1550 Lumens Per Fixture)*
Includes: Fixture & Plastic Mounting Clips

.432"
Male
Female
1.417"
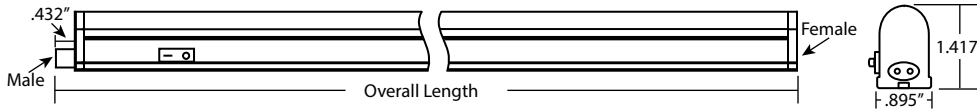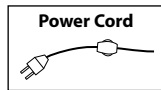.895"
Overall Length

Lighting Specifications

Color Temperature	CW: 6500K
Beam Spread	180°
Lumens	LED-120T5-12-CW: 300 LED-120T5-24-CW: 550 LED-120T5-36-CW: 1050 LED-120T5-48-CW: 1550
Color Rendering Index	CW: 80
Rated Average Life	25,000 hrs.
Constant	Current
Chip Size	SMD2835

Part #	Color Temp	Finish	Overall Length	Length With Straight Power Cord	Length With Angled Power Cord	Total Wattage	Max # Can Connect
LED-120T5-12-CW	Cool White	White	10-7/8"	13"	12-3/16"	4	75
LED-120T5-24-CW	Cool White	White	19-13/16"	22"	21-1/8"	7	42
LED-120T5-36-CW	Cool White	White	32-7/8"	35"	34-1/4"	13	23
LED-120T5-48-CW	Cool White	White	44-3/4"	46-7/8"	46-1/16"	18	16

Required — Power Cord + **Optional** (Any Combination) — Connecting Cable **&/or** Mounting Clips + **Required** — Starlink
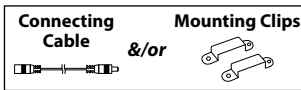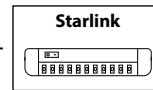
Straight Power Cords *(Required)*

• Length: 6' 6"
• Finish: White

LED-120T5-PC-2M

90° Angled Power Cord *(Required)*

1-1/4"
1-3/4"
Finish: White

Power cord includes a rocker switch that will control all connected lights at one time

6' 6" Power Cord
LED-120T5-PC-2MR

Connecting Cable *(Optional)*

Function: Allows the designer to get around unlit areas without multiple power supplies
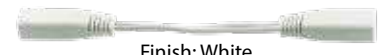
Finish: White

Part #	Length
LED-120T5-CC-6	6"
LED-120T5-CC-12	12"
LED-120T5-CC-48	48"

Mounting Options *(Optional)*

Metal 45° Mounting Clip	Metal Mounting Clip For Shelf	4" x 3/4" 3M Magnetic Tape
LED-120T5-45C	**LED-120T5-MC**	**LED-120T5-MT**
Material: Stamped Steel	Material: Stamped Steel	

12V | Super Bright Light Output | (UL)

DP Conx

Available Lengths: 12", 24", 36", 48" & 60"
Material: Aluminum Housing with Clear Polycarbonate Lens

• Used For: Cove Lighting, Cabinet Lighting & Shelf Lighting
• Uses smaller DC 3.5 connector
• Light Source: SMD2835 strip
• Low profile can be easily hidden
• Excellent heat sink
• Mounting clips & screw included
• Joinable by middle and right angle connector
• Easy Installation
• Limited 2 Year Warranty

LENS CHARACTERISTICS				
Color	**Transmission**	**Dispersion**	**Surface Texture**	**LED Diodes**
Clear	**High**	**High**	**Smooth**	**Visible**

IP20 DP Conx
Provides Low Protection of Dust & Water

Joinable Right Angle Connector

Joinable Middle Connector

DP Conx *(Up To 243 Lumens Per Foot)*

3/4" — 12", 24", 36", 48" & 60" Overall Length — 3/4"

Chip Spacing: 5/16"

11/32"
11/16"
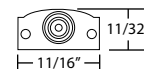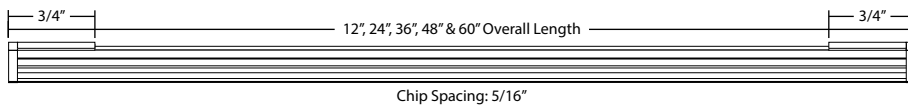
Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
Cool White *CW, Natural White *NW, Pure White *PW & Warm White *WW)				
DPCONX12-12-*	12"	30	4	16'
DPCONX12-24-*	24"	66	8	16'
DPCONX12-36-*	36"	102	12	16'
DPCONX12-48-*	48"	138	16	16'
DPCONX12-60-*	60"	174	20	16'

Lighting Specifications

Color Temperature	CW:6000K-6500K NW: 5000-5500K PW: 4000K-4500K WW: 2800K-3200K
Beam Spread	120º
Lumens	CW: 225 per ft. NW: 243 per ft. PW: 243 per ft. WW: 243 per ft.
Color Rendering Index	80+
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	2835

UL | Super Bright Light Output | 12V

Accessories for DP Conx

Required		**Optional** (Pick One Option)	**Optional**	**Optional** (Any Combination)	**Required**
Power Supply & **Power Linking Cable**	+	**Dimmer** or **Switch**	+	**Multi Output Cable**	+	**Connector** &/or **Connecting Cable**	+	**Dp Conx**
See Page R-81 / See Page R-81		See Page R-81 / See Page R-81		See Page R-81	See Page R-81 / See Page R-81		See Page R-80

Required

Power Supplies *(IP20)*

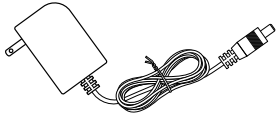| Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H
LED-12V-6A	Desktop	6A	12V	72W	4.68"L x 2.34"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery
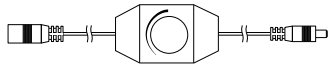
Power Linking Cable
Required for power supplies, dimmers & multi output cables.

DC 3.5

Hardwire

Part #	Description	Overall Length	Finish
DC 3.5 Connection			
DPCONX12-PWL	Power Link Cable DC 5.5 female to DC 3.5 male	6"	Black
Hardwire			
DPCONX12-PWL-MCC	Power Link Cable with DC 3.5	39"	Black

Optional

Dimmers

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Switches

Part #	Description	Finish	Mounting	Dimensions
LED-SWITCH-3A/6A	On/Off	Black	Surface	2-1/4"L x 1"W x 3/4"H

For Product Details & More Switch Options, See Page R-145

Multi Output Cables

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
LED-2WAY-BK	2-Way Sweep	Black	3"	2	7"	2

For More Extension Cable Options, See Page R-143

Connecting Cables

Part #	Function	Finish	Length
LED-35MM-39CC-BK	Is to allow the designer to get around unlit areas without multiple power supplies	Black	39"

Connectors

Straight   **Angle**

Part #	Function	Dimensions
DPCONX12-SCONN	Straight	1" L
DPCONX12-LCONN	Angle	7/8" L x 7/8" W

⊂ ⓤL us **Super Bright Light Output** **24V**

Zip Strip

Available Lengths: 12" & 24"
Material: White Aluminum with Frosted Polycarbonate Lens

Mounting Options (Included)

Stainless Clips
Stainless Screws
Built In Magnets
Steel Sheet — 3M Sheet

Interconnection

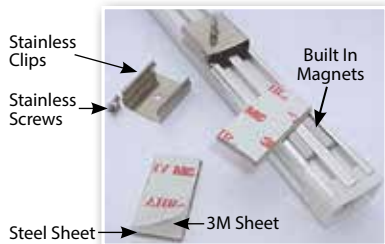| LENS CHARACTERISTICS				
Color	**Transmission**	**Dispersion**	**Surface Texture**	**LED Diodes**
Frosted	High	Low	Pebbled	Visible

Starter with Touch Dimmer Function *(Up To 650 Lumens Per Fixture)*

The touch function lights come equipped with built in On/Off switch that doubles as a low, medium and high 3-stage touch dimmer. When leading with the dimmer fixture all following connection lamps will be controlled by the dimmer function.
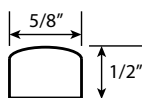
Starter   Single   Single

Touch Dimmer Function

Single without Touch Dimmer *(Up To 650 Lumens Per Fixture)*

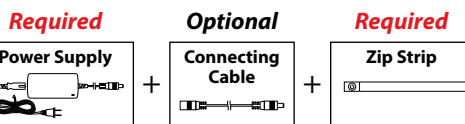*The single lights can be connected to the touch function strip or used individually.*

Single   Single   Single

Low Profile

5/8"
1/2"
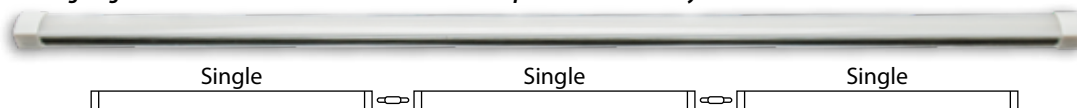
Part #	Finish	Length	# Of LED Chips	Total Wattage	Max # Can Connect
	Pure White *PW & Warm White *WW				
LED-SZIP-12-*	White (Starter)	12"	60	4.5	8
LED-ZIP-12-*	White (Single)	12"	60	4.5	8
LED-ZIP-24-PW	White (Single)	24"	120	9	4

Lighting Specifications

Color Temperature	PW: 4500K WW: 3000K
Beam Spread	120º
Lumens	PW (12"): 330 WW (12"): 315 PW (24"): 650 WW (24"): 620
Color Rendering Index	PW/WW: 85
Rated Average Life	PW/WW: 30,000 hrs.
Constant	Voltage
Chip Size	SMD3528

Required   *Optional*   *Required*

Power Supply + **Connecting Cable** + **Zip Strip**

Power Supplies With Connection *(Required)*

PLUG & PLAY

Short Circuit Protection • Overload Circuit Protection • IP20 • Constant Voltage • Comes With DC 3.5 Male Power Linking Cable • Limited 2 Year Warranty

Desk Top (1.5A / 24V / 36W)
- 3.13" L x 2.07" W x 1.52" H
- Input Cord: 72"
- Polarized 2 Prong Plug

LED-24V-1.5A-DC5.5

Desk Top (1.5A / 24V / 36W)
- 5-3/16" L x 2-3/16" W x 1-1/4" H
- Input Cord: 36"
- Output Cord: 36"
- Green On/Off LED Indicator Light
- Polarized 2 Prong Plug

LED-ZIP-TR-36W

Connecting Cable *(Optional)*

Function: Is to allow the designer to get around unlit areas without multiple power supplies

DC 3.5
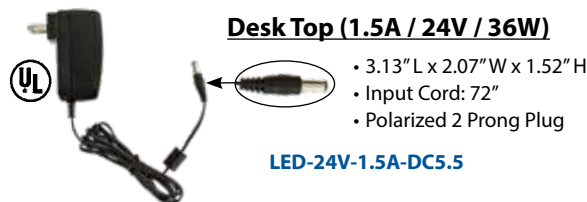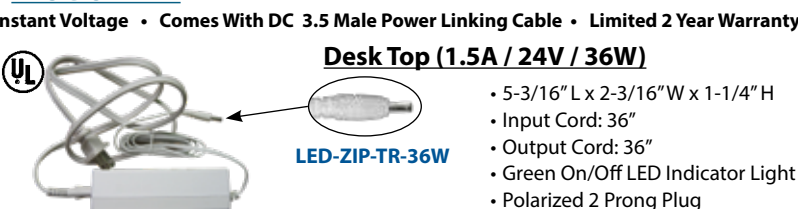
Part #	Length
LED-ZIP-CC-06	6"
LED-ZIP-CC-24	24"
LED-ZIP-CC-36	36"

UL | **Super Bright Light Output** | **24V**

Tri-Glow Strip

Available Lengths: 12" & 20"
Material: Aluminum with Clear Polycarbonate Lens

- Finish: High quality satin nickel finish
- Can be used vertical & horizontal
- Ideal for application where corner mounting is required
- Easy to connect
- Excellent for freezer application

Angled Design Sits In Any 90º Corner

Tri-Glow Strip *(Up To 980 Lumens Per Fixture)*
Each Fixture Includes: 39" Connecting Cable, 2 Mounting Clips & 1 End to End Connector

Lighting Specifications

Color Temperature	PW: 4100K WW: 3200K
Beam Spread	90º
Lumens	LED-AGL-12-PW: 290 LED-AGL-12-WW: 275 LED-AGL-20-WW: 465
Color Rendering Index	PW/WW: 75
Rated Average Life	PW/WW: 50,000 hrs.
Constant	Voltage
Chip Size	SMD3528

1" x 1" x 1-1/4"

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
Pure White *PW & Warm White *WW				
LED-AGL-12-*	12"	42	3	12
LED-AGL-20-WW	20"	72	5	8

Required Power Supply + *Optional* Dimmer + *Optional* (Any Combination) Junction Box &/or Connecting Cable + *Required* Tri-Glow
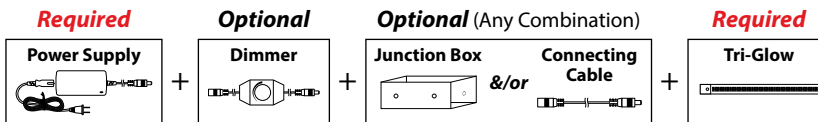
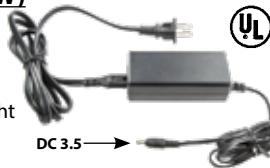## Power Supplies With Connection *(Required)*

PLUG & PLAY
Short Circuit Protection • Overload Circuit Protection • IP20 • Constant Voltage
Comes With DC 3.5 Male Power Linking Cable • Limited 2 Year Warranty

Desk Top (1.5A / 24V / 36W)
- 4.56" L x 1.92" W x 1.3" H
- 18AWG Input Cord: 60"
- 20AWG Output Cord: 60"
- Green On/Off LED Indicator Light
- Polarized 2 Prong Plug

DC 3.5

LED-24V-1.5A

Desk Top (2A / 24V / 45W)
- 4.375" L x 1.75" W x 1.25" H
- 18AWG Input Cord: 60"
- 20AWG Output Cord: 60"
- Green On/Off LED Indicator Light
- Polarized 2 Prong Plug

LED-24V-2A

Dimmer *(Optional)*

LED-CLE-DIM

- On/Off Switch
- 3-3/4" L x 1-1/8" W x 3/8" H
- Male DC 3.5 Output Cord: 36"
- Range of Dimming: 0-100%
- Mounting: Screw

Junction Box *(Optional)*

Function: Is to join multiple fixtures to one power supply

- 1-5/8" L x 1-1/4" W x 5/8" H
- Power In: 1 Port
- Power Out: 4 Ports

LED-CLE-JB

Connecting Cable *(Optional)*

Function: To connect junction box or other lights

DC 3.5 — Length: 39" — DC 3.5

LED-35MM-39CC-BK

24V Power Supply → Junction Box → Connecting Cable → Junction Box (Fixtures)
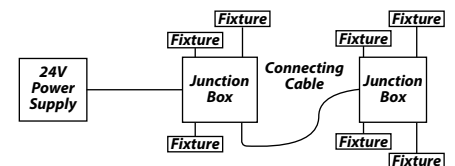
Power Track System

The Best In Store Adjustable Shelf Lighting Solution On The Market

- **Clean appearance with magneti...
  cords from merchandis...**
- **Posi-Lock Co...
  wiring...**
- ...without an electrician
- ...for clean neat appearance
- ...ase sales
- ...2 Year Warranty On Lighting

OUTWATER INDUSTRIES, INC. • **www.outwater.com**

UL Power Supply | **Super Bright Light Output** | **12V / 24V**
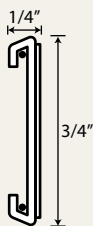
Power Track System

Power Track

- **Length: 71-1/8″**
- **Material: PVC**
- **Finish: Black (*BK) & White (*WH)**
- **Magnetic Track:** Requires no hardware to install
- **Trimmable**
- **Once installed, no professional needed when reconfiguring for seasonal products & new store plans**
- **Accommodates 12V or 24V lighting up to 10 amps**
- **Low profile & easily hidden**

1/4″
3/4″

LED-PWT-6-*

Posi-Lock Connection

- **Overall Length: 26-1/4″**
- **Cable Length: 22-3/4″**
- **Finish: Black (*BK) & White (*WH)**
- **Locking link cable can be repositioned for easy shelf adjustment**
- **All cables have a posi-lock connection when connected to the track. It will not easily dislodge by merchandise**
- **Built in rare earth magnet on cables will allow you to easily hide wires**

Power Linking Cable
Connects from power supply t...
LED-PW...

Power Track Lighting
Material: Aluminum with Opaq...

12V

Rare Earth Magnet

Overall Length

...nking Cable Length

Lighting Specifications

Color Temperature	CW: 6000K
Beam Spread	120°
Lumens	LED-PWT-12V-CW3: 785 LED-PWT-12V-CW4: 905
Color Rendering Index	CW: 80
Rated Average Life	20,000 hrs.
Constant	Voltage
Chip Size	3014

Part #	Overall Length	Locking Linking Cable Length	# Of LED Chips	Total Wattage	Max # Can Connect
LED-PWT-12V-CW3	35-1/8″	25″	63	9.8	-
LED-PWT-12V-CW4	46-7/16″	25″	84	13.7	-

SunRay *(Up To 1018 Lumens Per Fixture)*
Material: Aluminum with Opaque White Polycarbonate Lens (Locking Linking Cable Sold Separately)

24V **UL**

7/16″
1¼″
Male DC 5.5
Light Length
1¼″
Female DC 5.5
Overall Length

Lighting Specifications

Color Temperature	CW: 3700K-4300K WW: 2800K-3200K
Lumens	LED-T536-CW: 932 LED-T536-WW: 926 LED-T548-CW-S: 1287 LED-T548-WW-S: 1227
Color Rendering Index	80+
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	SMD3014

Part #	Overall Length	Length w Power Adaptor	# Of LED Chips	Total Wattage	Max # Can Connect
*Cool White *CW & Warm White *WW*					
LED-T536-*	35-1/8″	36-3/8″	192	13	15′
LED-T548-*-S	45″	46-1/4″	240	16	15′

DISCONTINUED PLEASE CALL ONE OF OUR SALES ASSOCIATES FOR OTHER OPTIONS

Power Track System

Shelf Edge Ticket With Integrated LED Lighting *(Up To 1700 Lumens Per Fixture)*
Material: Aluminum with Opaque White Polycarbonate Lens (Locking Linking Cable Sold Separately)

24V
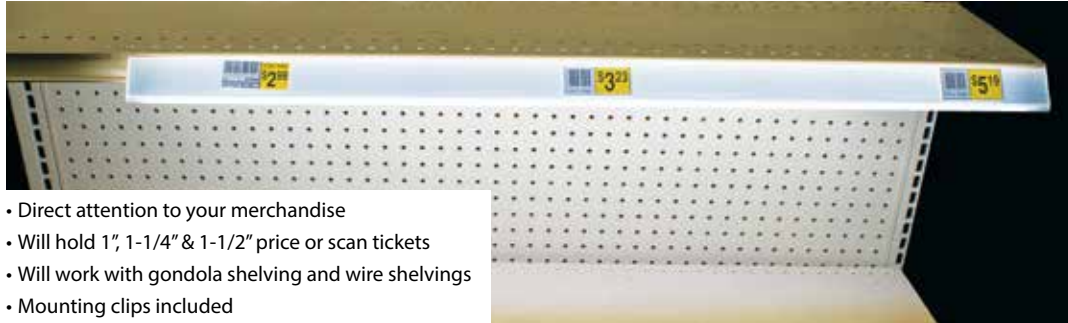
- Direct attention to your merchandise
- Will hold 1", 1-1/4" & 1-1/2" price or scan tickets
- Will work with gondola shelving and wire shelvings
- Mounting clips included

Front View

Back View

Cord Length

Overall

120°

LSL24-45-PW: 1870

Color Rendering Index | CW: 80

Rated Average Life | 50,000 hrs.

Constant | Voltage

Chip Size | 2835

Part #
LSL24-45-PW

~~DISCONTINUED~~
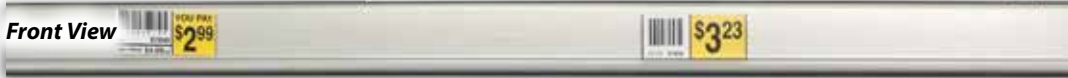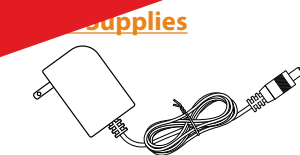*~~PLEASE CALL ONE OF OUR SALES ASSOCIATES FOR OTHER OPTIONS~~*

		Required		*Optional*		*Required*
	+	**Power Linking Cable**	+	**Track**	+	**Locking Linking Cable**	+	**Power Track Lighting**
		See Page R-86		*See Page R-85*		*See Page R-85*		*See Pages R-85~86*

Supplies
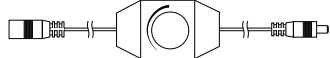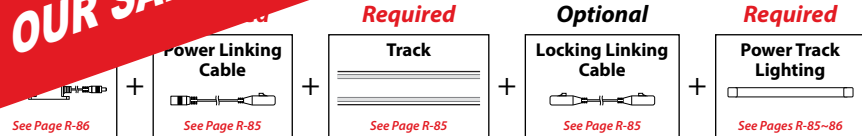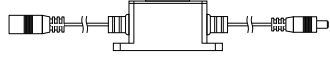
Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Optional

Dimmers
A power linking cable required.

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Switches
A power linking cable required.

Part #	Description	Finish	Mounting	Dimensions
LED-SWITCH-3A/6A	On/Off	Black	Surface	2-1/4"L x 1"W x 3/4"H

For Product Details & More Switch Options, See Page R-145

SunRay
LED T5 Fixture

No Hot Spots or Shadowing- Even Illumination!

Low Profile & Easily Hidden
5/8" Dia.

- **Our SunRay T5 fixture is made to work with all major brands of shelving such as Madix, Lozier & Streater.**
- **NOW: Lighting Facts & UL**
- **Easy Attachment**

- **Finish: Aluminum Housing**
- **Lens: Opaque White Diffuser**
- **Direct Connection: Male & Female Connector**
- **Limited 3 Year Warranty**

Available in 5 Lengths
1', 2', 3', 4' & 5' Nominal

24V | **LED lighting facts®** | **Super Bright Light Output** | **UL**

SunRay T5 Fixture

Available Lengths: 1′, 2′, 3′, 4′ & 5′ Nominal
Material: Aluminum with Opaque White Polycarbonate Lens

Direct Connection
Male & Female Connector

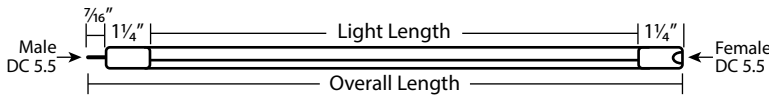**NEW & IMPROVED Higher Lumens! Lower Cost!**

LENS CHARACTERISTICS				
Color	**Transmission**	**Dispersion**	**Surface Texture**	**LED Diodes**
Opaque White	Low	High	Smooth	Not Visible

Opaque White Lens: Allows the least light transmission. The effect softens the light, reduces glare and eliminates the "scalloping" caused by the LED's in most cases

SunRay *(Up To 1140 Lumens Per Fixture)*
Resembles a High Powered T5 Fluorescent bulb with the benefits of LED

7/16″ · 1¼″ · Light Length · 1¼″
Male DC 5.5 → Overall Length ← Female DC 5.5

Lighting Specifications

Color Temperature	CW: 3700K-4300K WW: 2800K-3200K
Lumens	LED-T512-CW: 289 LED-T512-WW: 273 LED-T524-CW: 597 LED-T524-WW: 553 LED-T536-CW: 932 LED-T536-WW: 926 LED-T548-CW-S: 1287 LED-T548-WW-S: 1227 LED-T560-CW: 1603 LED-T560-WW: 1525
Color Rendering Index	80+
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	SMD3014

Part #	Overall Length	Length w/Power Adaptor	# Of LED Chips	Total Wattage	Max # Can Connect
*Cool White *CW & Warm White *WW*					
LED-T512-*	13-3/16″	14-1/2″	60	4.5	15′
LED-T524-*	23-3/8″	24-5/8″	120	8.5	15′
LED-T536-*	35-1/8″	36-3/8″	192	13	15′
LED-T548-*-S	45″	46-1/4″	240	16	15′
LED-T560-*	58-3/4″	60″	336	20	15′

Mounting Hardware

INCLUDED WITH EACH FIXTURE!
A VARIETY OF MOUNTING HARDWARE OPTIONS W/SCREWS

OPTION A
Wood Shelf Clip

1 Pair/Non-Handed Horizontal

OPTION B
Wood Shelf Clip

SUPER STRONG

1 Pair/Non-Handed Vertical/Horizontal

OPTION C
1/4″ Glass Shelf Clip

Note: SunRay can pivot in clips

Magnetic Clip Connects To Metal
(Optional)

Ideal for Gondola Shelving

- Material: Stamped Steel
- 1/2" Diameter Base
- 22 lbs. Pull Magnet

LED-T5-MAGCON

Accessories for SunRay T5 Fixture
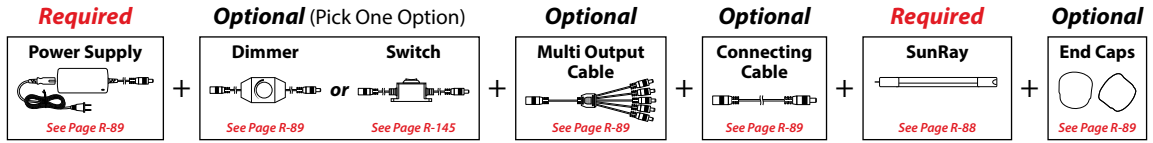
Required	*Optional* (Pick One Option)		*Optional*	*Optional*	*Required*	*Optional*
Power Supply	**Dimmer**	**Switch**	**Multi Output Cable**	**Connecting Cable**	**SunRay**	**End Caps**
See Page R-89	*See Page R-89*	*See Page R-145*	*See Page R-89*	*See Page R-89*	*See Page R-88*	*See Page R-89*
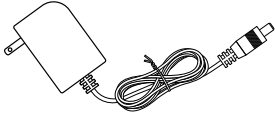
Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-1A	Wall Mount	1A	24V	24W	3.13"L x 2.07"W x 1.52"H
LED-24V-3A	Desktop	3A	24V	72W	3.41"L x 2.31"W x 1.26"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery
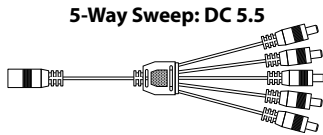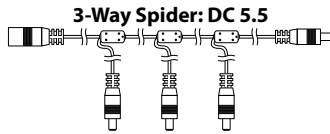
Optional

Dimmers

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H
LED-INLINE-TCHDIM	Inline Touch	Black	0-100%	1-1/4"L x 3/4"W x 7/16"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Multi Output Cables

5-Way Sweep: DC 5.5

3-Way Spider: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
LED-5OUT-CBL-BK	5-Way Sweep	Black	8-3/4"	5	19"	5
LED-SPIDER-CBL	3-Way Spider	Black	4-1/2"	3	96"	4

For More Extension Cable Options, See Page R-143

Connecting Cables

Part #	Description	Function	Finish	Length
LED-A55MF-12CC-BK	Angled	Is to allow the designer to get around unlit areas without multiple power supplies	Black	12"
LED-A55MF-24CC-BK	Angled		Black	24"

For More Connecting Cable Options, See Page R-144

End Caps

• 1-1/2" L x 11/16" Dia.
LED-T5-END

12V General Duty Light Output UL Power Supply

Gen Next Thin Light Fixture

Available Lengths: 8" , 12" & 16"
Material: Clear Polycarbonate

• Improved design & connection
• Easy to hide ultra compact
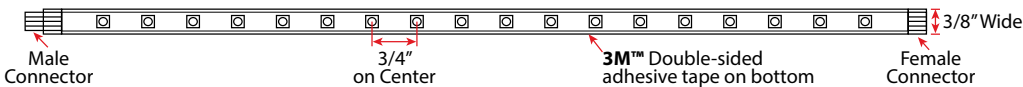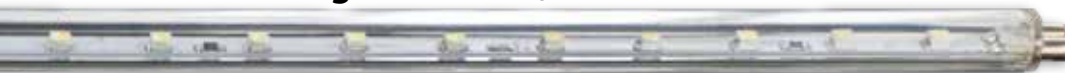• High lumen output packed into a very small fixture

LENS CHARACTERISTICS				
Color	**Transmission**	**Dispersion**	**Surface Texture**	**LED Diodes**
Clear	Full	None	Smooth	Visible

Direct Interconnection

PEEL-N-STICK MOUNT

Dimmable!

Gen Next Thin Light Fixture *(Up To 260 Lumens Per Fixture)*

Male Connector

3/4" on Center

3M™ Double-sided adhesive tape on bottom

Female Connector

3/8" Wide

Tape .380" .375"

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
Pure White *PW & Warm White *WW				
LED-SLSHX-8-*	8"	9	1.6	23'
LED-SLSHX-12-*	12"	12	2.3	23'
LED-SLSHX-16-*	16"	18	3.0	23'

Lighting Specifications

Color Temperature	PW: 4200K WW: 2800K-3200K
Beam Spread	120º
Lumens	LED-SLSHX-8-*: 155 LED-SLSHX-12-*: 190 LED-SLSHX-16-*: 260
Color Rendering Index	PW/WW: 80
Rated Average Life	PW/WW: 30,000 hrs.
Constant	Voltage
Chip Size	SMD2835

UL Power Supply | General Duty Light Output | 12V

Accessories for Gen Next Thin Light Fixture

Required		*Optional* (Pick One Option)		*Optional*	*Optional*	*Required*
Power Supply	**Power Linking Cable**	**Dimmer**	**Switch**	**Multi Output Cable**	**Connecting Cable**	**Gen Next**
See Page R-91	& See Page R-91	+ See Page R-91	or See Page R-145	+ See Page R-91	+ See Page R-91	+ See Page R-90

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-1A	Wall Mount	1A	12V	12W	2.91"L x 1.61"W x 1.14"H
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Power Linking Cable
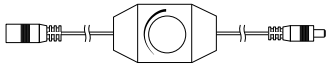*Required for power supplies, dimmers & multi output cables.*

Part #	Description	Overall Length	Finish
LED-SLSHX-PWL	Power Link Cable with Gen Next Connection	18"	White

For Product Details & More Power Linking Cables, See Page R-137

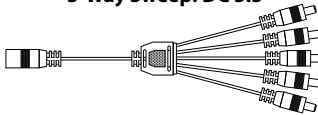## Optional

Dimmers
A power linking cable required.

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H
LED_TCH-DIM	Touch	Black	10-100%	3-3/8"L x 3-3/8"W x -1-3/8"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Multi Output Cables
A power linking cable required for each outlet.

5-Way Sweep: DC 5.5

3-Way Spider: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
LED-5OUT-CBL-BK	5-Way Sweep	Black	8-3/4"	5	19"	5
LED-SPIDER-CBL	3-Way Spider	Black	4-1/2"	3	96"	4

For More Extension Cable Options, See Page R-143

Connecting Cables

Part #	Function	Finish	Length
LED-SLSHX-12C-WH	Is to allow the designer to get around unlit areas without multiple power supplies	Black	12"
LED-SLSHX-24C-WH		White	24"
LED-SLSHX-36C-WH		White	36"

Thin Strip- *Fastest & Easiest Connection In The Industry Today*

Available Length: 12"
Material: White Aluminum PCB Board

• 100% Usable Lighting System
• 100% Connectable- No Soldering Necessary
• Dimmable
• Field Trimmable
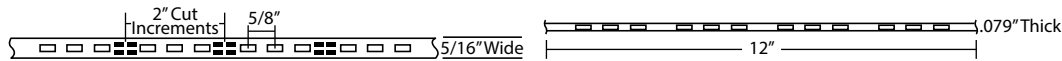• Limited 2 Year Warranty

IP20 Thin Strip
Provides Low Protection of Dust & Water

Connect Up To 4' of Thin Strip Using Our *PATENTED POWER CONNECTOR*

Thin Strip *(Up To 485 Lumens Per Foot)*

2" Cut Increments
5/8"
5/16" Wide
12"
.079" Thick

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
Cool White *CW & Warm White *WW				
LED-PCB2-12-*	12"	18	5.4	6

Lighting Specifications

Color Temperature	CW: 6200K-6800K WW: 2800K-3200K
Beam Spread	120º
Lumens	CW: 485 per ft. WW: 380 per ft.
Color Rendering Index	CW/WW: 80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	SMD2835

Aluminum LED Mounting Channels *(Optional)*

Create Your Own
CUSTOMIZED FIXTURE IN MINUTES
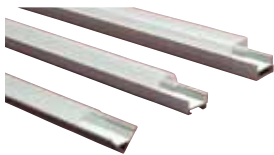
Choose Your Channel & Measure Length
See Pages R-53~63

Lay In Tape

Measure & Cut Thin Strip Where Marked

Lay Light In Channel

Apply Lens & Enjoy

Super Bright Light Output | **12V**

Accessories for Thin Strip

Required
Power Supply **&** Power Linking Cable
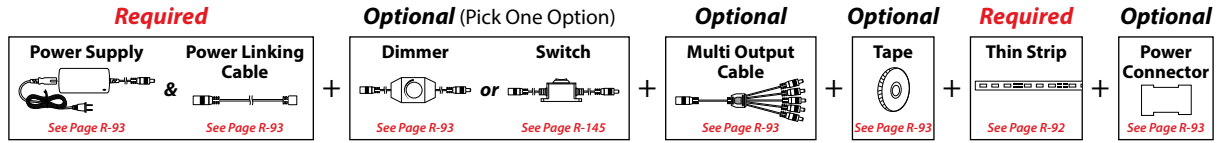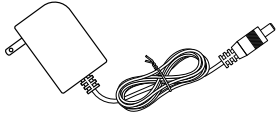See Page R-93   See Page R-93

+

Optional (Pick One Option)
Dimmer **or** Switch
See Page R-93   See Page R-145

+

Optional
Multi Output Cable
See Page R-93

+

Optional
Tape
See Page R-93

+

Required
Thin Strip
See Page R-92

+

Optional
Power Connector
See Page R-93

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-1A	Wall Mount	1A	12V	12W	2.91"L x 1.61"W x 1.14"H
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Power Linking Cable
Designed to provide power to rigid ribbon strips. Comes with female DC 5.5 and one solderless clip.

Part #	Description	Overall Length	Finish
LED-OS-662P	Power Link Cable with Thin Strip Connection	60"	Black

Power Connector
Required to join thin strip fixtures.
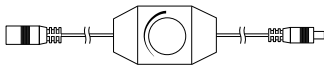
Part #	Description
LED-PCB-CLIP	Allows seamless connection of 2 thin strips without soldering

---

Optional

Dimmers
A starter fixture required.

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Multi Output Cables
A starter fixture required for each outlet.
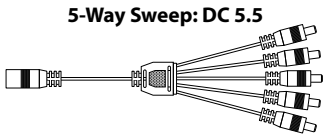
5-Way Sweep: DC 5.5
2-Way Sweep: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
LED-5OUT-CBL-BK	5-Way Sweep	Black	8-3/4"	5	19"	5
LED-2WAY-BK	2-Way Sweep	Black	3"	2	6-3/4"	2

For More Extension Cable Options, See Page R-143

Adhesive Tape
Two-sided white acrylic based foam tape

Part #	Thickness	Width	Roll Size
AFT1-0375-WH	1/32"	3/8"	216'

24V | lighting facts® | Super Bright Light Output | ETL®

Utopia Ultra Bright Puck Light- *Only Pivot Option On The Market!*

Does It All! Even Light Distribution Without Any Hot Spots!
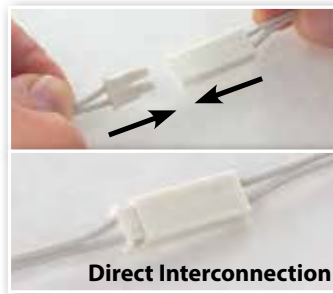*Material: Aluminum with Opaque White Polycarbonate Lens*

• Pivoting head allows light to be directed to desired locations

• Connectable

• Supplied with 18" connecting cable

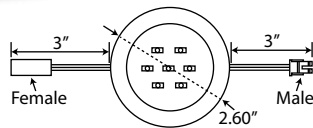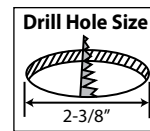• Connect up to 20 fixtures off one power supply

Satin Chrome

Black

Stainless

White

LENS CHARACTERISTICS				
Color	Transmission	Dispersion	Surface Texture	LED Diodes
Opaque White	Low	High	Smooth	Not Visible

Opaque White Lens: Allows the least light transmission. The effect softens the light, reduces glare and eliminates the "scalloping" caused by the LED's in most cases

15° Pivot

Pivots in recessed & surface mounted applications

Direct Interconnection

Utopia Ultra Bright Puck Light *(Up To 180 Lumens Per Fixture)*

3" Female

3" Male

2.60"

Drill Hole Size — 2-3/8"

Surface Mount — 2.60" × .765"

Recessed Mount — 2.15" × .575" — *Friction Fit*

Part #	Finish	# Of LED Chips	Total Wattage	Max # Can Connect
*Pure White *PW & Warm White *WW*				
LED-UTO-CHR-*	Stainless	7	2.5	20
LED-UTO-BK-*	Black	7	2.5	20
LED-UTO-WH-*	White	7	2.5	20
LED-UTO-SC-*	Satin Chrome	7	2.5	20

Lighting Specifications

Color Temperature	PW: 5700K WW: 2800K-3200K
Beam Spread	120°
Lumens	PW: 240 WW: 148
Color Rendering Index	PW/WW: 85
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	SMD5730

24V

Accessories for Utopia Ultra Bright Puck Light
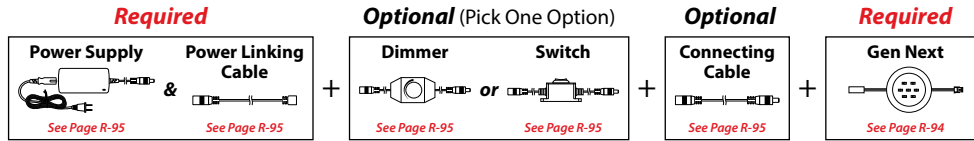
Required	*Optional* (Pick One Option)	*Optional*	*Required*
Power Supply **Power Linking Cable**	**Dimmer** **Switch**	**Connecting Cable**	**Gen Next**
&	*or*		
See Page R-95 *See Page R-95*	*See Page R-95* *See Page R-95*	*See Page R-95*	*See Page R-94*
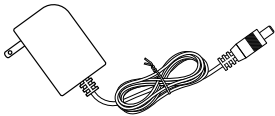
+   +   +

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-1A	Wall Mount	1A	24V	24W	3.13"L x 2.07"W x 1.52"H
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: *Plug In* | *Hardwire* | *Hardwire Dimmable* | *Rechargeable Battery*

Power Linking Cable
Required for power supplies, dimmers & switches.
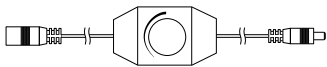
Part #	Description	Overall Length	Finish
LED-WF-PWL	Power Link Cable with Utopia Connection	18"	White

For Product Details & More Power Linking Cables, See Page R-137
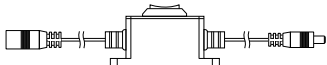
Optional

Dimmers
A power linking cable required.

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H
LED-INLINE-TCHDIM	Inline Touch	Black	0-100%	1-1/4"L x 3/4"W x 7/16"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: *Rotary* | *Touch Dimmer* | *Radio Frequency*

Switches
A power linking cable required.

Part #	Description	Finish	Mounting	Dimensions
LED-SWITCH-3A/6A	On/Off	Black	Surface	2-1/4"L x 1"W x 3/4"H

For Product Details & More Switch Options, See Page R-145

Connecting Cables

Part #	Function	Finish	Length
LED-WF-CC24	Is to allow the designer to get around unlit areas without multiple power supplies	White	24"
LED-WF-CC36		White	36"

12V

Super Bright Light Output

Marquee Puck Light Series

Material: Aluminum with Milk White Polycarbonate Lens

• Super bright with high output LED chip
• Offers even illumination without hotspots
• Very low profile & not obtrusive
• Easy install with included screws or spring clip

NEW COLOR TEMPS Cool White, Warm White & Pure White

Insert Male Connector Into Multi-Port Junction Box

LED Lens

LENS CHARACTERISTICS				
Color	Transmission	Dispersion	Surface Texture	LED Diodes
Milk White	Medium	Medium	Smooth	Slightly Visible

Milk White Lens: Allows moderate light transmission. The effect softens the light and reduces glare. A good choice for the largest variety of lighting situations.
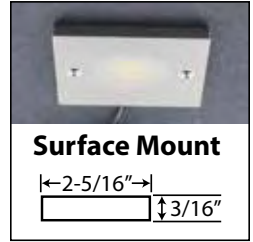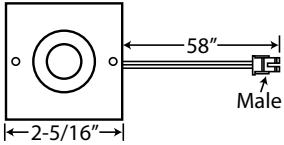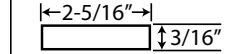
12V **Super Bright Light Output**

Marquee Puck Light Series

Surface Square Marquee Puck *(Up To 300 Lumens Per Fixture)*

58"
Male
2-5/16"

Surface Mount
←2-5/16"→
3/16"

Part #	Finish	# Of LED Chips	Total Wattage	Max # Can Connect
Cool White *CW, Warm White *WW & Pure White *PW				
LED-MQSS-S-*	Satin Aluminum	1	3.5	10

Lighting Specifications

Color Temperature	CW: 6000K-6500K WW: 2900K-3100K PW: 4000K
Beam Spread	120º
Lumens	CW/WW: 260-300
Color Rendering Index	CW/WW: 80
Rated Average Life	20,000 hrs.
Constant	Voltage
Chip Size	COB

Surface Round Marquee Puck *(Up To 300 Lumens Per Fixture)*
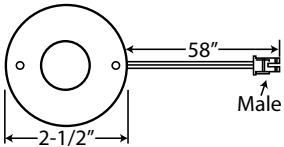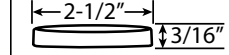
58"
Male
2-1/2"

Surface Mount
←2-1/2"→
3/16"

Part #	Finish	# Of LED Chips	Total Wattage	Max # Can Connect
Cool White *CW, Warm White *WW & Pure White *PW				
LED-MRQRD-S-*	Satin Aluminum	1	3.5	10

Lighting Specifications

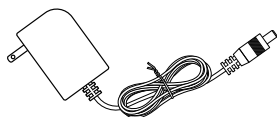|	
Color Temperature	CW: 6000K-6500K WW: 2900K-3100K PW: 4000K
Beam Spread	120º
Lumens	CW/WW: 260-300
Color Rendering Index	CW/WW: 80
Rated Average Life	20,000 hrs.
Constant	Voltage
Chip Size	COB

Accessories for Marquee Puck Light Series
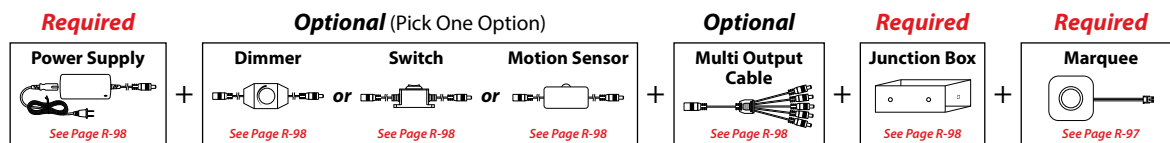
Required	Optional (Pick One Option)			Optional	Required	Required
Power Supply	**Dimmer**	**Switch**	**Motion Sensor**	**Multi Output Cable**	**Junction Box**	**Marquee**
See Page R-98	*See Page R-98*	*See Page R-98*	*See Page R-98*	*See Page R-98*	*See Page R-98*	*See Page R-97*

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-1A	Wall Mount	1A	12V	12W	2.91"L x 1.61"W x 1.14"H
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Junction Box
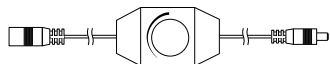*Required for power supplies, dimmers, switches, motion sensors & multi output cables.*

Shown: LED-MQ-J4

Part #	Function	Input Cord	# of Outputs	Dimensions
LED-MQ-J3	Joins multiple	39" Female DC 5.5	3	1-1/2"L x 1-1/4"W x 3/8"H
LED-MQ-J4	fixtures to one	39" Female DC 5.5	4	1-1/2"L x 1-5/8"W x 3/8"H
LED-MQ-J5	powers supply	39" Female DC 5.5	5	1-1/2"L x 2-1/4"W x 3/8"H

Optional

Dimmers

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H
LED-INLINE-TCHDIM	Inline Touch	Black	0-100%	1-1/4"L x 3/4"W x 7/16"H
LED-DIM-648D	Standard Touch	Silver/Black	0-100%	22mm: Dia. x 16mm: W

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Switches

Part #	Description	Finish	Mounting	Dimensions
LED-SWITCH-3A/6A	On/Off	Black	Surface	2-1/4"L x 1"W x 3/4"H

For Product Details & More Switch Options, See Page R-145

Motion Sensors

Part #	Description	Finish	Mounting	Dimensions
LED-DSEN	Door Sensor	Silver	Surface/ Recessed	Surface: 2-1/2"L x 1-1/8"W x 11/16"H Recessed: 2-1/2"L x 5/8": Dia.
LED-MSEN	Door Sensor	Black	Surface	2-1/4"L x 1"W x 3/4"H

For Product Details & More Motion Sensor Options, See Page R-137

Multi Output Cables
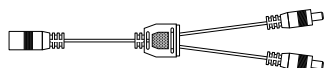
Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
LED-2WAY-BK	2-Way Sweep	Black	3"	2	6-3/4"	2

For More Extension Cable Options, See Page R-143

cULus | **Super Bright Light Output** | **24V**

Venus Ultra Bright Puck Light

Material: Aluminum with Clear Polycarbonate Lens

• Extremely bright 3-1/2″ produces a "Shower of Light"
• Supplied with 39″ connecting cable
• Connect up to 12 fixtures off one power supply

New Finishes

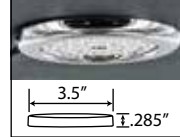**NEW & IMPROVED Higher Lumens! Lower Cost!**

IP65 Venus Ultra Bright Puck Light
Provides Protection From Dust & Splashing Water, Not Submersible

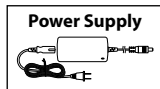## Venus Ultra Bright Puck Light *(Up To 325 Lumens Per Fixture)*

39″   2-3/4″   3-1/2″

Part #	Finish	# Of LED Chips	Total Wattage	Max # Can Connect
*Pure White *PW* & Warm White *WW**				
LED-VEN-CHR-*	Polished Chrome	42	3	12
New **LED-VEN-BK-***	Black	42	3	12
New **LED-VEN-WH-***	White	42	3	12

Surface Mount
3.5″   .285″

Easy Installation
Surface Mounts With 1 Screw
(Screw Included)

Lighting Specifications

Color Temperature	PW: 3800K-4200K WW: 2800K-3200K
Beam Spread	90º
Lumens	PW: 325 WW: 300
Color Rendering Index	PW/WW: 75
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	SMD3528

Required | **Optional** | **Optional** (Any Combination) | **Required**

Power Supply + Dimmer + Junction Box **&/or** Connecting Cable + Venus Light

Power Supplies With Connection *(Required)*

PLUG & PLAY

Short Circuit Protection • Overload Circuit Protection • IP20 • Constant Voltage
Comes With DC 3.5 Male Power Linking Cable • Limited 2 Year Warranty

DC 3.5

UL

Desk Top (2A / 24V / 45W)
• 4.375″ L x 1.75″ W x 1.25″ H
• 18AWG Input Cord: 60″
• 20AWG Output Cord: 60″
• Green On/Off LED Indicator Light
• Polarized 2 Prong Plug

LED-24V-2A

Dimmer *(Optional)*

LED-CLE-DIM

• On/Off Switch
• 3-3/4″ L x 1-1/8″ W x 3/8″ H
• Male DC 3.5 Output Cord: 36″
• Range of Dimming: 0-100%
• Mounting: Screw

Junction Box *(Optional)*

Function: Is to join multiple fixtures to one power supply

• 1-5/8″ L x 1-1/4″ W x 5/8″ H
• Power In: 1 Port
• Power Out: 4 Ports

LED-CLE-JB

Connecting Cable *(Optional)*

Function: To connect junction box or other lights

DC 3.5   **Length: 39″**   **DC 3.5**

LED-35MM-39CC-BK

12V Power Supply — Fixture / Fixture — Junction Box — Connecting Cable — Junction Box — Fixture / Fixture / Fixture — Fixture

12V | General Duty Light Output | Power Supply

LED Top Hat Spotlight

Material: Satin Aluminum with Clear Polycarbonate Lens

• Sleek & Attractive Design
• Connectable
• Surface Mount

Direct Interconnection

IP20 Top Hat Spotlight
Provides Low Protection of Dust & Water

Male — 18" L
1"
1 3/8"
Female — 18" L
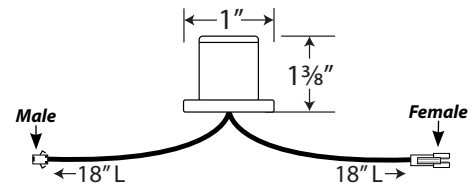
Top Hat Spotlight *(Up To 85 Lumens Per Fixture)*

Lighting Specifications

Color Temperature	CW: 6500K
Beam Spread	60°
Lumens	CW: 85
Color Rendering Index	CW: 80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	5MM DIA
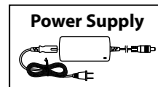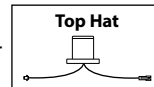
Part #	Color Temp	Nominal Size	# Of LED Chips	Total Wattage	Max # Can Connect
LED-TOPHAT-CW	Cool White	1" Dia. x 1-3/8" H	1	1	10

Required
Power Supply

+

Required
Top Hat

Power Supplies *(Required)*

PLUG & PLAY

Short Circuit Protection • Overload Circuit Protection • IP20 • Constant Voltage
Comes With Appropriate Power Linking Cable • Limited 2 Year Warranty

Plug Type (1A / 12V / 12W)

• 2.91" L x 1.61" W x 1.14" H
• 22AWG Output Cord: 60"
• Polarized 2 Prong Plug

LED-12V-1A

Optional Rechargeable Battery Available See page R-136

How Long Will My Battery Last?

Battery Longevity: $\dfrac{\text{(AMPS x VOLTS)}}{\text{WATTS}}$ = HRS

120V PLUG NO TRANSFORMER NEEDED!

lighting facts

120V

Super Bright Light Output

Infinity Light

Material: Aluminum Construction with Polycarbonate Lens

• Connectable
• Supplied with 18" connecting cable
• Connect up to 20 fixtures
• Limited 3 Year Warranty

FULLY DIMMABLE

Matte Chrome With Clear Lens

Oil Rubbed Bronze With Opaque White Lens

White With Clear Lens

Black With Opaque White Lens

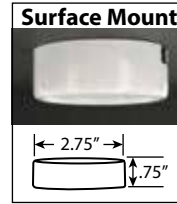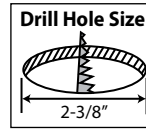| LENS CHARACTERISTICS				
Color	**Transmission**	**Dispersion**	**Surface Texture**	**LED Diodes**
Opaque White	Low	High	Smooth	Not Visible
Clear	Full	None	Smooth	Visible

Infinity Lights *(Up To 180 Lumens Per Fixture)*

3" 3" 2-3/4"

Surface Mount

Recessed Mount

Drill Hole Size

2-3/8"

2.75" .75"

2-3/8" .75"

Friction Fit

Lighting Specifications

Color Temperature	CW: 5700K PW: 4000K WW: 2800K-3200K
Beam Spread	120º
Lumens	CW: 166 PW: 180 WW: 166
Color Rendering Index	CW/PW: 85 WW: 80
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	SMD2835

Part #	Color Temp	Lens Type	# Of LED Chips	Total Wattage	Max # Can Connect
*Matte Chrome *MC, Oil Rubbed Bronze *OB, White *WH & Black *BK*					
LED-L1TW-*-CW	Cool White	Clear	12	3.8	20
LED-L1TW-*-PW	Pure White	Clear	12	3.8	20
LED-L1TW-*-WW	Warm White	Clear	12	3.8	20
LED-L1TW-*-CW-FR	Cool White	Opaque White	12	3.8	20
LED-L1TW-*-PW-FR	Pure White	Opaque White	12	3.8	20
LED-L1TW-*-WW-FR	Warm White	Opaque White	12	3.8	20

Optional **Dimmer**
+
Required **Power Cord**
+
Optional **Connecting Cable**
+
Required **Infinity Light**

Power Cord *(Required)*

• Function: On/Off
• Cord Length: 10'

Part #	Finishes
LED-L1TW-PC-BK	Black
LED-L1TW-PC-WH	White

legrand Dimmer Switches *(Optional)*

UL

Input & Output Cords: 5.875" • Range of Dimming: 0-100% • Mounting: Wall

softTap
Touch Switch With Touch Slide Dimmer

LGD120-DIMST-MG
(Magnesium)

LGD120-DIMST-WH
(White)

For More Options, Product Details & Wall Plates, See Page R-139

Connecting Cable *(Optional)*

Function: Is to allow the designer to get around unlit areas without multiple power supplies

Part #	Length	Color
LED-L1TW-CC24-WH	24"	White
LED-L1TW-CC36-BK	36"	Black
LED-L1TW-CC36-WH	36"	White

For Multiple Design Options...

Outwater Introduces:
The "Way Far" Better Light
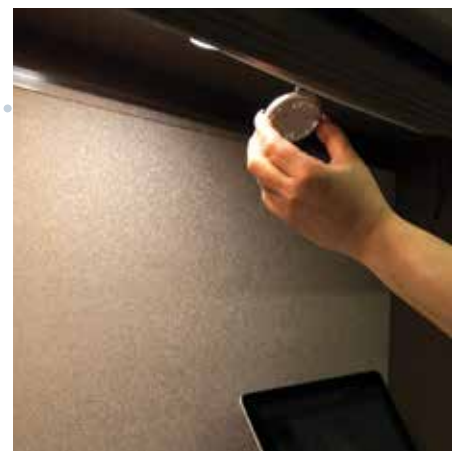
LED Wafer Puck Light Series

Wafer Puck Light

- No Holes To Bore
- Surface Mount
- Connectable
- Lightweight
- Super Thin
- Easy To Install:
  Available In Magnetic, Adhesive or Surface Mount

See Page R-103

Moveable Wafer Track System

- Add A Light
  Anywhere Needed
- Adjustable
- Lightweight
- Super Thin 1/4"
- Easy To Install

See Page R-104

UL Power Supply

Super Bright Light Output

12V

Wafer Puck Light

The "Way Far" Better Light
Thinnest Surface Mounted Puck- Recessed Look Without The Work!
Material: PVC Body with Prismatic Clear Polycarbonate Lens

• Super thin & super bright
• Greater light output then a 20W halogen bulb
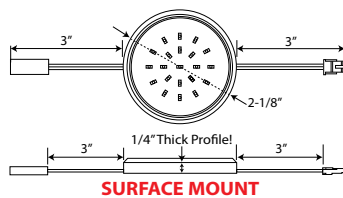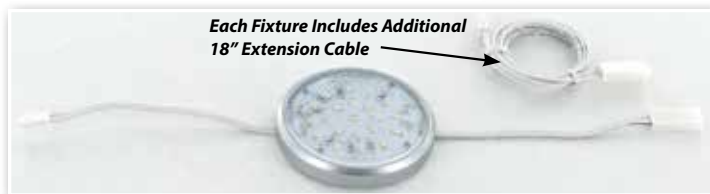• Dimmable
• Supplied with 18" connecting cable

Designed For Multiple Surfaces

Screw Mount for Wood Surfaces
Screws Included

"Rare Earth" Magnet for Metal Surfaces

Direct Interconnection

Connect Up To 25 Pucks Per Power Supply

Self Adhesive 3M™ for Glass

IP20 Wafer Puck Light
Provides Low Protection of Dust & Water

Wafer Puck Light *(Up To 250 Lumens Per Fixture)*

Each Fixture Includes Additional 18" Extension Cable

3"   3"
2-1/8"
3"   3"
1/4" Thick Profile!

SURFACE MOUNT

Lighting Specifications

Color Temperature	CW: 6500K WW: 2800K-3200K
Beam Spread	120°
Lumens	CW: 250 WW: 230
Color Rendering Index	CW: 80 WW: 85
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	SMD3014

Part #	Color Temp	Finish	Mount Options	# Of LED Chips	Total Wattage	Max # Can Connect
LED-WF-MC-CW-A	Cool White	Matte Chrome	Adhesive or Screw Mount	21 Per Fixture	2.2	5 fixtures for 1 amp power supply 15 fixtures for 3 amp power supply 25 fixtures for 5 amp power supply
LED-WF-MC-WW-A	Warm White	Matte Chrome	Adhesive or Screw Mount	21 Per Fixture	2.2	

12V | Super Bright Light Output | UL Power Supply
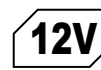
Moveable Wafer Track System

Material: PVC Body with Prismatic Clear Polycarbonate Lens

- Easily move the puck light anywhere along the track
- Freedom to add puck lights anywhere you need them
- Offered with 3', 4', 6' & 12' track
- Connect up to 25 puck lights off 1 power supply
- Available jumper cable allow for shelf to shelf lighting connection
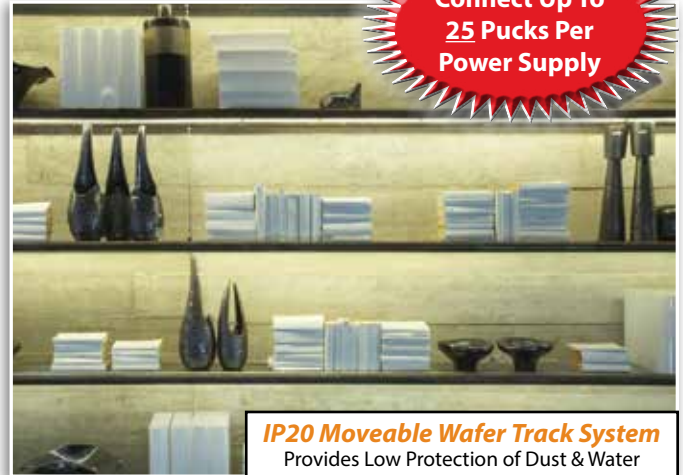
Connect Up To 25 Pucks Per Power Supply

IP20 Moveable Wafer Track System
Provides Low Protection of Dust & Water

Moveable Wafer Track System *(Up To 250 Lumens Per Fixture)*

Add a light anywhere needed!

Move pucks anywhere along track

1 *Choose a Track (comes with adhesive):*

2-5/8"

(Track can be field cut)

Part #	Length
Black *BK & White *WH	
LED-WF-TRK-2-*	2'
LED-WF-TRK-3-*	3'
LED-WF-TRK-4-*	4'
LED-WF-TRK-6-*	6'
LED-WF-TRK-12-*	12'

Lighting Specifications

Color Temperature	CW: 6500K WW: 2800K-3200K
Beam Spread	120º
Lumens	CW: 250 WW: 230
Color Rendering Index	CW: 80 WW: 85
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	SMD3014

2 *Choose Number of Wafer Lights:*

Part #	Color Temp	Finish	# Of LED Chips	Total Wattage	Max # Can Connect
LED-WF-MC-CW-MT	Cool White	Matte Chrome	21 Per Fixture	2.2	5 fixtures for 1 amp power supply 15 fixtures for 3 amp power supply 25 fixtures for 5 amp power supply

UL Power Supply | **Super Bright Light Output** | **12V**

Accessories for Wafer Puck Light & Moveable Wafer Track System

Accessories That Work With Wafer Puck Light

Required	*Optional* (Pick One Option)			*Optional*	*Optional*	*Required*
Power Supply	**Dimmer**	**Switch**	**Motion Sensor**	**Multi Output Cable**	**Connecting Cable**	**Wafer Puck**
See Page R-105	*See Page R-105*	*See Page R-105*	*See Page R-106*	*See Page R-106*	*See Page R-106*	*See Page R-103*

+ ... *or* ... *or* ... + ... + ... +

Accessories That Work With Moveable Wafer Track System

Required	*Optional* (Pick One Option)			*Optional*	*Required*	*Required*
Power Supply	**Dimmer**	**Switch**	**Motion Sensor**	**Jumper Cable**	**Track**	**Wafer Track**
See Page R-105	*See Page R-105*	*See Page R-105*	*See Page R-106*	*See Page R-106*	*See Page R-104*	*See Page R-104*

+ ... *or* ... *or* ... + ... + ... +

Required

Power Supplies

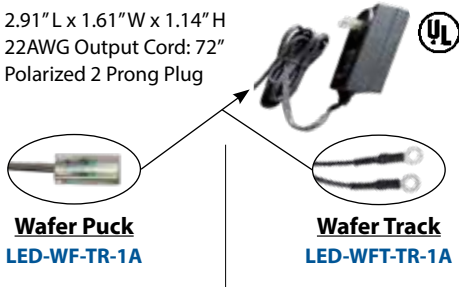### PLUG & PLAY

Short Circuit Protection • Overload Circuit Protection • IP20 • Constant Voltage • Comes With Appropriate Power Linking Cable • Limited 2 Year Warranty
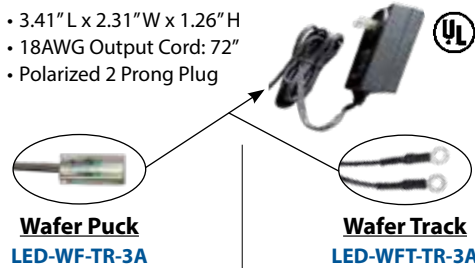
Plug Type (1A / 12V / 12W)

- 2.91"L x 1.61"W x 1.14"H
- 22AWG Output Cord: 72"
- Polarized 2 Prong Plug

Wafer Puck
LED-WF-TR-1A

Wafer Track
LED-WFT-TR-1A

Plug Type (3A / 12V / 36W)

- 3.41"L x 2.31"W x 1.26"H
- 18AWG Output Cord: 72"
- Polarized 2 Prong Plug

Wafer Puck
LED-WF-TR-3A

Wafer Track
LED-WFT-TR-3A
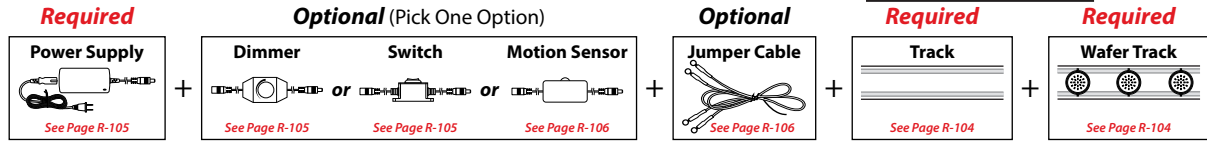
Power Linking Cable
Required for dimmers,
switches & multi output cables.

Part #	Description	Overall Length	Finish
LED-WF-PWL	Power Link Cable with Wafer Connection	18"	White

For Product Details & More Power Linking Cables, See Page R-137

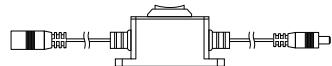
Optional

Dimmers
A power linking cable required.

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H
LED-INLINE-TCHDIM	Inline Touch	Black	0-100%	1-1/4"L x 3/4"W x 7/16"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Switches
A power linking cable required.

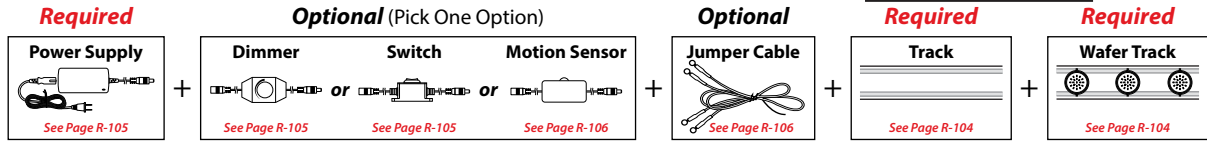| Part #	Description	Finish	Mounting	Dimensions
LED-SWITCH-3A/6A	On/Off	Black	Surface	2-1/4"L x 1"W x 3/4"H
LED-PLUNT	On Door Opens/ Off Door Closed	Black	Surface	2-3/4"L x 2"W x 1"H

For Product Details & More Switch Options, See Page R-145

Accessories for Wafer Puck Light & Moveable Wafer Track System

Accessories That Work With Wafer Puck Light

Required	Optional (Pick One Option)			Optional	Optional	Required
Power Supply	**Dimmer**	**Switch**	**Motion Sensor**	**Multi Output Cable**	**Connecting Cable**	**Wafer Puck**
See Page R-105	See Page R-105	See Page R-105	See Page R-106	See Page R-106	See Page R-106	See Page R-103

Accessories That Work With Moveable Wafer Track System

Required	Optional (Pick One Option)			Optional	Required	Required
Power Supply	**Dimmer**	**Switch**	**Motion Sensor**	**Jumper Cable**	**Track**	**Wafer Track**
See Page R-105	See Page R-105	See Page R-105	See Page R-106	See Page R-106	See Page R-104	See Page R-104
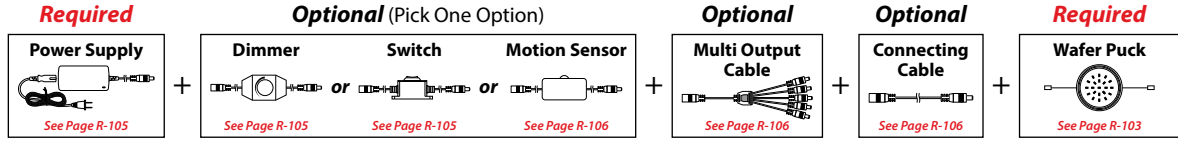
Optional

Motion Sensors
A power linking cable required.

Part #	Description	Finish	Mounting	Dimensions
LED-MSEN	Door Sensor	Black	Surface	2-1/4"L x 1"W x 3/4"H

For Product Details & More Motion Sensor Options, See Page R-138
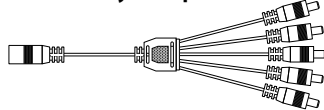
Multi Output Cables
Works with wafer puck light only
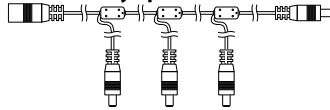
A power linking cable required for each outlet.

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
LED-5OUT-CBL-BK	5-Way Sweep	Black	8-3/4"	5	19"	5
LED-SPIDER-CBL	3-Way Spider	Black	4-1/2"	3	96"	4

For More Extension Cable Options, See Page R-143

5-Way Sweep: DC 5.5

3-Way Spider: DC 5.5

Connecting Cables
Works with wafer puck light only

Part #	Function	Finish	Length
LED-WF-CC24	Is to allow the designer to get around unlit areas without multiple power supplies	White	24"
LED-WF-CC36		White	36"

Jumper Cable
Works with wafer puck light only

Part #	Function	Finish	Length
JC24	Designed to connect one track to another / Useful when going level to level or make a 90° turn	Black	24"

DIY: Brite Light Sheet

An inexpensive way to create Light Guide Panels

Brite Light Sheet is an optical PVC film with dot matrix designed to disperse light evenly across your acrylic panel

- **The most affordable way to create DIY backlighting**
- Sold in nominal 4 ft. x 25 ft. rolls... Can be shipped via UPS
- **Easy to install**... The Brite Light Sheet adheres to any acrylic or glass surface
- **Zero gap clearance** allows for heavy loads
- Low tack resistance enables the Brite Light Sheet to be easily removed and repositioned as desired without damage to the Light Guide Sheet
- Ideal for one sided small signs and shelving. When lit with 2 edges of LED's will illuminate evenly up to 14" in width

Part#: BLPS-1248

Framing Options *(Required)*

Thickness of Acrylic	U Channel Recommended	Angled Recommended	LED Ribbon Recommended	Aluminum Tape Recommended
1/8" 1/8"	ALU757-* 132-*	ALU149-*	SPT12-*-30*-*-CW	LED-ALUTAPNC-375
3/16" 3/16"	R104-582* 2325-*	ALU149-*	SPT12-*-30*-*-CW	LED-ALUTAPNC-375
1/4" 1/4"	ALU257-* 1991-*	ALU149-*	SPT12-*-30*-*-CW or SPT12-*-3560-*-RGB	LED-ALUTAPNC-375
3/8" 3/8" 3/8"	ALU57-* 383-* 2317-*	ALU269-* or ALU249-*	SPT12-*-30*-*-CW, SPT12-*-3560-*-RGB or ECO12-*35-*	LED-ALUTAPNC-375

DIY: Brite Light Sheet

An inexpensive way to create light guide panels

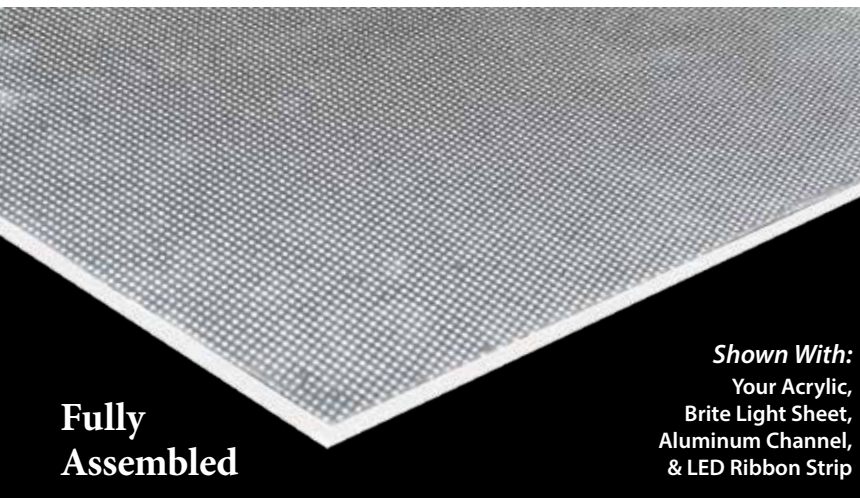**E** LED Ribbon Strip

D Aluminum Channel

A Your Graphic
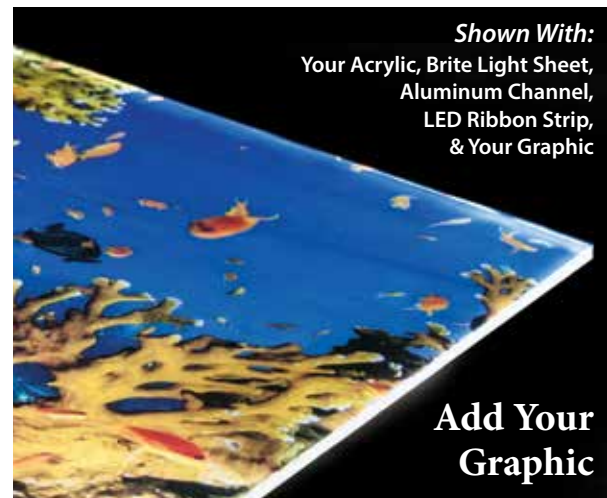
B Your Acrylic

C DIY Sheet

A. **Your Translucent Material**

B. **Your Acrylic or Glass**

C. **Brite Light Sheet**

D. **Aluminum Angle**
More Options Available, Please Inquire

E. **3014 LED Ribbon Strip (1/8")**

Fully Assembled

Shown With:
Your Acrylic, Brite Light Sheet, Aluminum Channel, & LED Ribbon Strip

Shown With:
Your Acrylic, Brite Light Sheet, Aluminum Channel, LED Ribbon Strip, & Your Graphic

Add Your Graphic

FREE Sample Kit

BLPS-FSK

Includes the following:
- Small piece of acrylic
- 6" square of Brite Light Sheet
- 5" piece of 3014 LED Ribbon
  (works with any 12 volt transformer)

Foil Tape *(Optional)*

- Function: To Prevent light from escaping, thus providing maximum brightness
- Non conductive tape
- 3/8" x 10' per roll

LED-ALUTAPNC-375

Deluxe Kits

BLPS-KIT

Includes the following:
- 2 ft. of 12V *Ultra* Brite LED Ribbon *(Cool White, 3014 Chip)*
- 2 ft. of 12V *Standard* Brite LED Ribbon *(Cool White, 3014 Chip)*
- 1 ft. x 2 ft. of Brite Light Sheet
- 1 piece of 2 ft. Aluminum Channel *(L-Task-149)*
- 1 Power Supply

BLPS-KIT-DIM

Includes the following:
- 2 ft. of 12V *Ultra* Brite LED Ribbon *(Cool White, 3014 Chip)*
- 2 ft. of 12V *Standard* Brite LED Ribbon *(Cool White, 3014 Chip)*
- 1 ft. x 2 ft. of Brite Light Sheet
- 1 piece of 2 ft. Aluminum Channel *(L-Task-149)*
- 1 Power Supply
- 1 Inline Dimmer

Auragami™

The high LED density (332 LEDs per square foot) combined with a decreased individual LED brightness, eliminates hot spots and "dotting," allowing for as little as 3/8" of clearance between the Light Sheet and the translucent material. Auragami's unique power distribution grid allows you to cut groups, or even single LEDs, from the flexible sheet while maintaining a resilient circuit to the remaining diodes. Cut lines on multiple axis (horizontal, vertical, and diagonal) to maximize customization.

Flexible & Cuttable
Can be folded over countertop edges, other multi-plane elements, or wrapped around columns and other curved surfaces

ILLUMINATED SURFACES

Auragami is ideally suited for onyx, quartz and many manufactured materials into lit counter and bar tops, curved surfaces and low clearance applications.

This light sheet provides extremely uniform illumination with as little as 3/8" installation depth for countertops.

Specs

- •24V
- • IP65
- • UL Listed
- • Fully Dimmable
- • Natural White (5300K)
- • 9.25" x 19.8" Sheet Which Is Cuttable As Small As 5/8" x 5/8" Square

CUTTABLE

A low voltage UL Listing allows for on-site customization which can eliminate custom order lead times. Cut LEDs from any part of the sheet to avoid obstacles without interrupting power to the rest of the sheet, while maintaining UL Listing. When discrepancies occur between drawing specs and field measurements or when changes need to be made, on-site customization avoids delays!


Cuttable Anywhere

Connect

Auragami sheets interconnect quickly and easily with included sheet-to-sheet connection wires. Connect up to eight sheets in any arrangement while operating within Class 2 guidelines. Integrated 2-pin connection blocks eliminate the need to solder and speed installation.

24V | Super Bright Light Output | C UL US Listed | New!

Auragami Flexible LED Sheet

Panel Size: 9.25" x 19.8"
Material: Polyimide with a Conformable Coating Layer (Silicon Based)
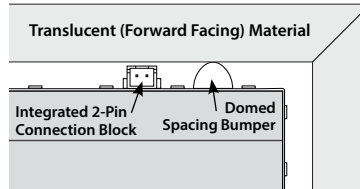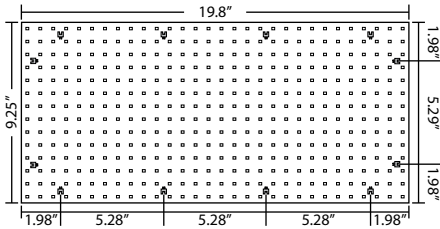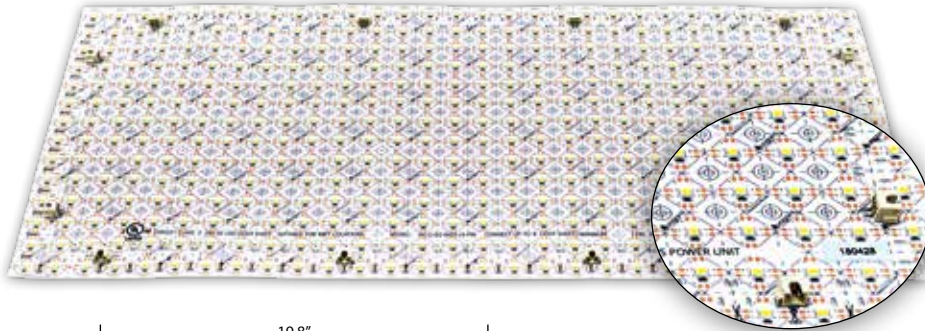
Included with Each Sheet:
A: 2- .71" Sheet-To-Sheet Connection Wires
B: 2- 3.74" Sheet-To-Sheet Connection Wires
C: 8- Domed Spacing Bumpers with Silicone Adhesive Backing

IP65 Auragami
Provides Protection From Dust &
Splashing Water, Not Submersible

Dimensions diagram: 19.8", 9.25", 1.98", 5.29", 1.98", 1.98", 5.28", 5.28", 5.28", 1.98"

Translucent (Forward Facing) Material
Integrated 2-Pin Connection Block
Domed Spacing Bumper

Lighting Specifications

Color Temperature	5300K
Beam Spread	120º
Lumens	860 sq. ft.
Color Rendering Index	95+
Rated Average Life	50,000 hrs.
Power Input	Constant Voltage
Chip Size	2835

Part #	Dimensions	# Of LED Chips	Total Wattage	Max # Can Connect
BLS-AU-NW	9.25" x 19.8" (1.27 sq. ft.)	420	11	12 Sq. Ft.

AURAGAMI SAMPLE KIT AVAILABLE, PLEASE INQUIRE (BLS-AU-KIT)

Required
Power Supply
See Page R-111

+

Optional (Pick One Option)
Dimmer | Switch
or
See Page R-111 | *See Page R-145*

+

Required
Power Linking Cable
See Page R-111

+

Required
Auragami
See Page R-111

Required

Power Supplies *(IP20)*
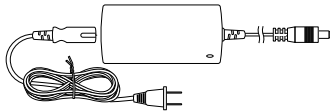
Part #	Type	Finish	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	Black	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-4A-HW	Hardwire Non-Dimmable	Black	4A	24V	96W	9.05"L x 2.75"W x 1.81"H
LED-24V-4A-HWUD	Hardwire Dimmable	Black	4A	24V	96W	9.05"L x 2.75"W x 1.81"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Rechargeable Battery

Power Linking Cable
Required for power supplies, dimmers & multi output cables.

DC 5.5

Hardwire

Part #	Description	Overall Length	Finish
	DC 5.5 to Auragami Connection		
BLS-PWL	Power Link Cable DC 5.5 female with Auragami Connection	12"	White
	Hardwire to Auragami Connection		
BLS-POWER	Power Link Cable with Auragami Connection Kit: (1) 48" Power connection lead wire (2) Wago connectors with same polarity (4) Cable management clips	12"	White

24V | Super Bright Light Output | UL | New!

Triflex Flexible LED Sheet

Panel Size: 12" x 24"
Material: Flexible PCB with Copper Base

• Economical way to light up signs or translucent material
• Trimmable down to 2" x 4" pieces
• Connect up to 4 panels together
• Requires 1-1/2" depth for NO HOT SPOTS
• Limited 3 Year Warranty

Connectable

24"

12"
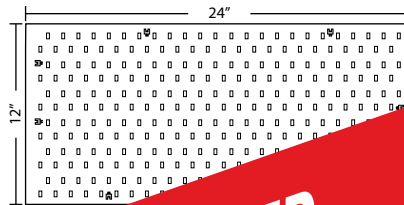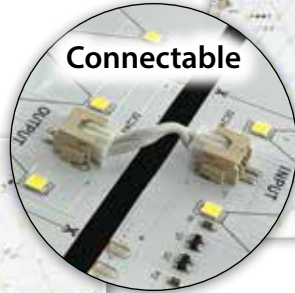
IP54 Triflex
Protection
& a Fat...

1710 sq. ft.
...g Index | 85+
...Average Life | 50,000 hrs.
Constant | Voltage
Chip Size | 2835

DISCONTINUED
PLEASE CALL ONE OF OUR SALES ASSOCIATES FOR OTHER OPTIONS

Part #	Dimension...
BLS-TFX-CW	12" x ...

...ower Linking Cable — *See Page R-145*

+

Optional
Connecting Cable — *See Page R-112*

+

Required
Triflex — *See Page R-112*

+

...s (IP20)

Part #	Type	Finish	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	Black	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-4A	Desktop	Black	4A	24V	96W	6.77"L x 2.83"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Power Linking Cable
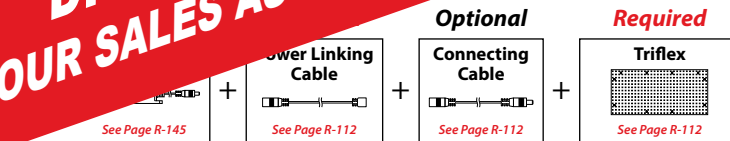*Required for power supplies, dimmers & multi output cables.*

Part #	Description	Overall Length	Finish
BLS-PWL	Connects from power supplies, dimmers & multi output cables to light panel	12"	White

Optional

Connecting Cables

| Part #	Function	Finish	Length
BLS-CC01	Is to allow the designer to get around unlit areas without multiple power supplies	White	1"
BLS-CC24		White	24"

Introducing "The Original"
Quadmod LED Panel Light

Customized lighting solutions are just a "SNAP" away with the Quadmod Panels. Sold in 12" x 12" squares, the razor-thin (1.65mm thick) panels can be snapped down to 3" x 3" squares.

Backlighting your signs or surfaces requires just 1"-2" separation between panel and surface being illuminated (depending on the substrate density) for even illumination.
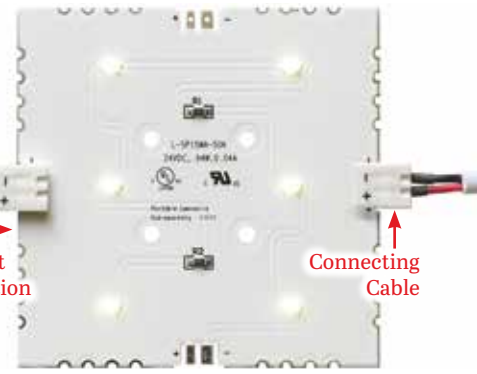
Quadmod Panel →

Onyx →
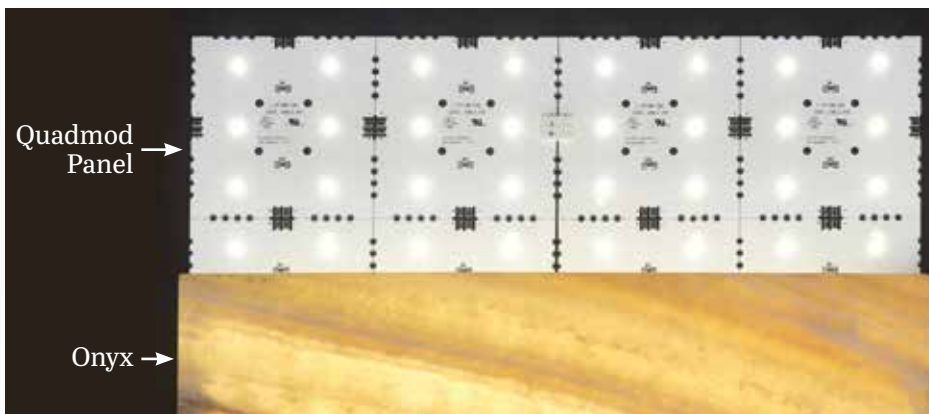
| 24V & Fully Dimmable | Offered In 6500K | Easy to use connectors & accessories make installation fast & simple | Limited 3 Year Warranty |

End-to-end connection using our simple DIY connectors and connecting cables. *(no soldering necessary)* Can connect up to 12 panels on one power supply.
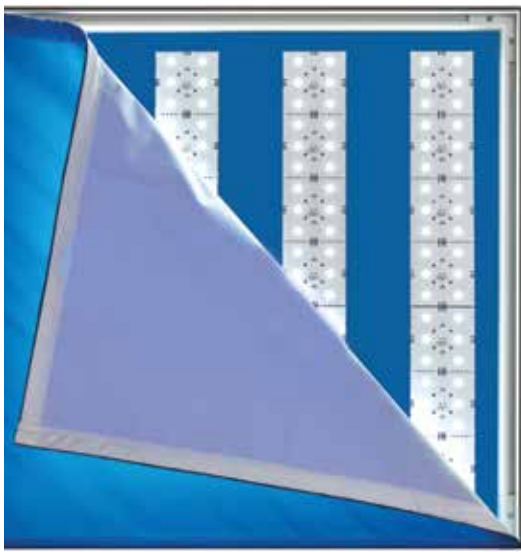
Direct Connection

Connecting Cable
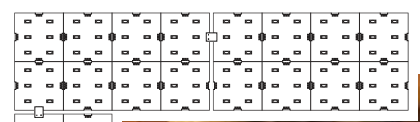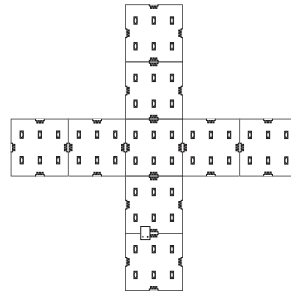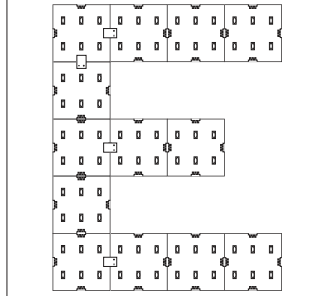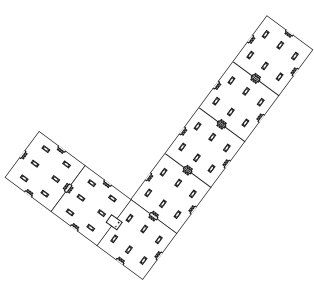
Achieve versatile sizes & shapes
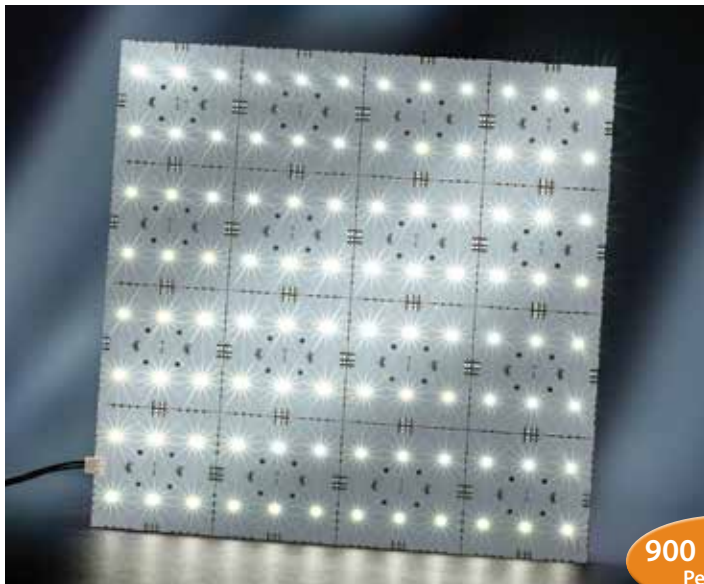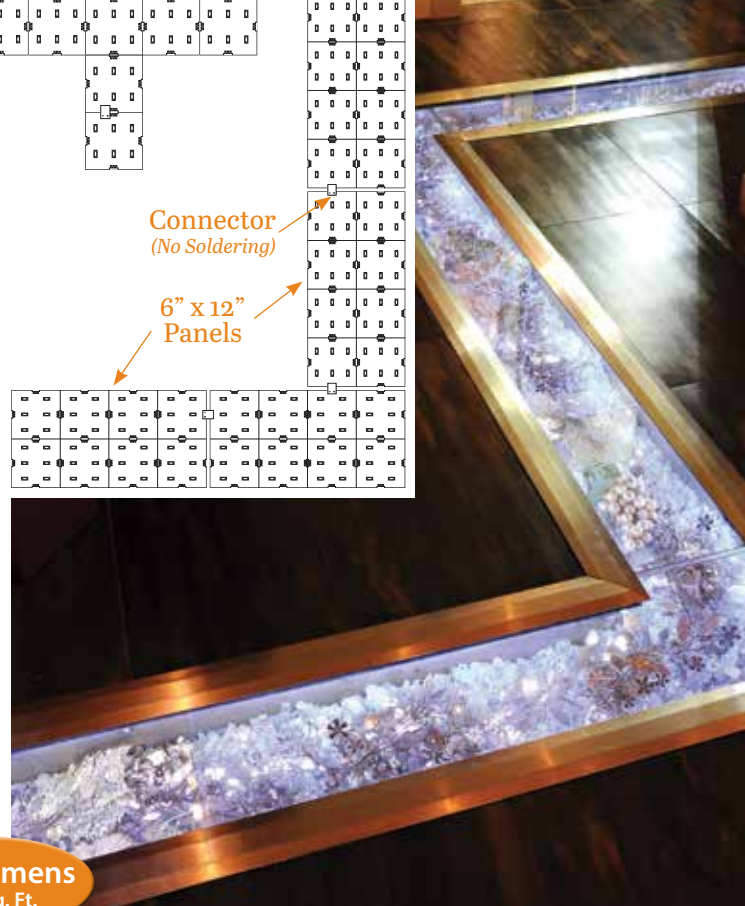
Connector *(No Soldering)*

6" x 12" Panels

900 Lumens
Per Sq. Ft.

| Material: Aluminum With White Powder Coating | IP 20 | Black Rubber Feet On Back Aid In Mounting Stability & Heat Dissipation |

24V | Super Bright Light Output | UL | New!

Quadmod LED Lighting Panel

Panel Size: 12" x 12" - Can *"Snap"* To 3" x 3"
Material: Aluminum with White Powder Coating

900 Lumens
Per Sq. Ft.

Front
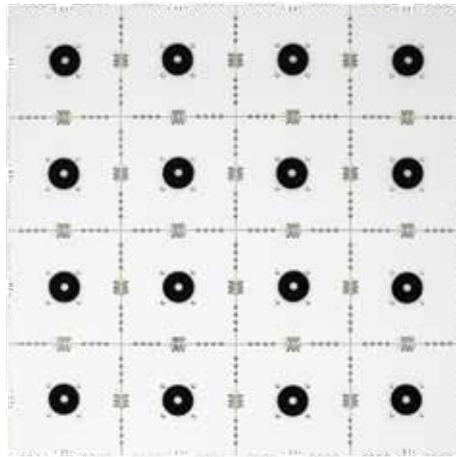
Back
Black rubber feet aid in mounting stability & heat dissipation

IP20 Quadmod
Provides Low Protection of Dust & Water
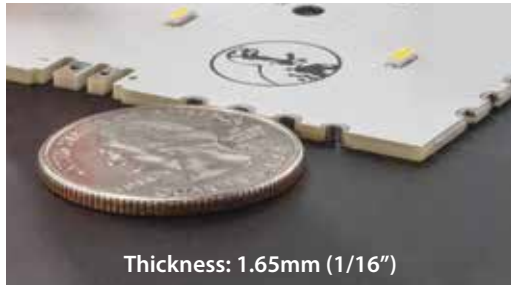
Thickness: 1.65mm (1/16")

Kit Includes:
Mounting Clips & Screws

12"

12"

3"

3"
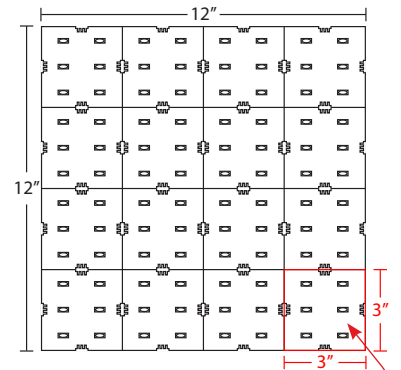
"Snap" In 3" Increments

2 Mounting Options
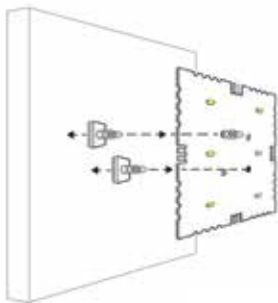
Mounting Clips
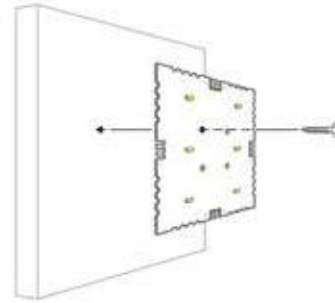
Screws

Lighting Specifications

Color Temperature	6500K
Beam Spread	120°
Lumens	900 sq. ft.
Color Rendering Index	80
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	4014

Part #	Dimension	# Of LED Chips	Total Wattage	Max # Can Connect
QM-1212-CW	12" x 12"	96	8	12 Sq. Ft.

QUADMOD SAMPLE KIT AVAILABLE, PLEASE INQUIRE (QM-KIT)
OTHER COLOR TEMPERATURES AVAILABLE, PLEASE INQUIRE MINIMUMS APPLY

New! UL Super Bright Light Output 24V

Accessories for Quadmod LED Lighting Panel

Required	*Optional* (Pick One Option)		*Required*	*Optional*	*Required*
Power Supply	**Dimmer**	**Switch**	**Power Linking Cable**	**Connecting Cable**	**Quadmod**
See Page R-116	See Page R-116	See Page R-145	See Page R-116	See Page R-116	See Page R-115

+ or + + +

Required

Power Supplies *(IP20)*

Part #	Type	Finish	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	Black	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-4A	Desktop	Black	4A	24V	96W	6.77"L x 2.83"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137

Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Power Linking Cable
Required for power supplies, dimmers & multi output cables.

Part #	Description	Overall Length	Finish
QM-PWL12	Connects from power supplies, dimmers & multi output cables to light panel	12"	White
QM-PWL39		39"	White

Optional

Dimmers
A power linking cable required.

Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM-WH	Inline Rotary	White	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149

Other Options: Rotary | Touch Dimmer | Radio Frequency

Multi Output Cables
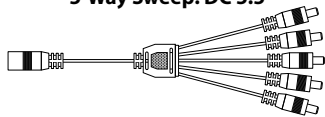
5-Way Sweep: DC 5.5

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
LED-5OUT-CBL-WH	5-Way Sweep	White	8-3/4"	5	19"	5

For More Extension Cable Options, See Page R-143

Power Extension Cables

Part #	Description	Finish	Length
QM-EXT39	Allows the designer to get around unlit areas without multiple power supplies	White	39"
QM-EXT79		White	79"
QM-EXT118		White	118"

Connecting Cables

Part #	Description	Finish	Length
QM-CC03	Allows the designer to get around unlit areas without multiple power supplies	White	3"
QM-CC10		White	10"
QM-CC24		White	24"
QM-CC48		White	48"

Direct Connector
Sold 10 pieces per bag

Part #	Description	Dimensions
QM-DCC	Female to Female connect end-to-end	1/2" L x 3/8"W x 1/4"H

Nova Backlighting System

The Original Edge Lite Panel

The Nova Backlight System can be customized per order for a wide variety of applications

- *Material: Optical Grade PMMA Acrylic*
- *Super bright and long lasting up to 70,000 hours*
- *Integrated thermal management will ensure maximum life span and even illumination throughout*
- *Limited 3 Year Warranty*

Signage
Ultra Thin...
No Required Installation Depth

Ceiling
Durable...   Strong

Countertops
Illuminate Any Translucent Material

Flooring
Damp Location Option Available

Customizable
The Nova sheet can be custom manufactured in most sizes, shapes & light color options

Wallscapes
Less Build Up...   Save Time & Money
No Frame or Housing

Store Interior
Even Illumination...   No Dark Spots
Substrate can lay directly on the Nova sheet panel

Nova Backlighting System

Material: Optical Grade PMMA Acrylic

THE TECHNOLOGY

Nova sheet utilizes a patented 3-D v-groove etched grid pattern to create a bright and uniform illumination across the entire surface of the panel.

The Nova sheet utilizes superior quality 12V constant voltage LED's. The LED's are integrated into the perimeter of the panel without the use of framing materials.

The built in heat sink will ensure that the panel will last the life span, 70,000 hours!

3-D V-Groove

Flexible LED Circuit   LED Diode   Optically Clear Acrylic Panel

8MM   LumiSheet Side View

Zig-Zag Tensioner   Integrated Heat Sink   Reflective Backing   V-Grooves

LED LIGHT COLOR OPTIONS

Warm White: 3000K or 3500K   Pure White: 4100K   Cool White: 5300K or 6300K

RGB

Color Temperature:

Warm White: 3000K

3500K

Neutral White: 4100K

Pure/Cool White 5300K

6300K

Color Changing Temperature

Can Adjust From 3000K-6500K

Color Adjustable RGB

CUSTOMIZABLE

Maximum Panel Size

Length Max: 118" (2997mm)

RGB Length Max: 105" (2667mm)

Width Max: 59" (1499mm)
RGB Width Max: 49" (1244mm)

Depth: 5/16" (8mm)

Power Lead: The power cord can be located around the perimeter of the panel as required, subject to the configuration of the LED's or the back of the panel

Minimum Panel Size

Length Min: 2" Round or Square

ILLUMINATING OPTIONS

LED Light Along 1 Edge

Width **Up To** 12" (305mm)

Max (L): 105" (2680mm)

LED'S

LED Light Along 2 Edge

Width **Greater** Than 12" (305mm)

Max (L): 105" (2680mm)

LED'S

LED Light Along All 4 Edges

For Square Panels

For Example 36" x 36" or 48" x 48"

LED'S
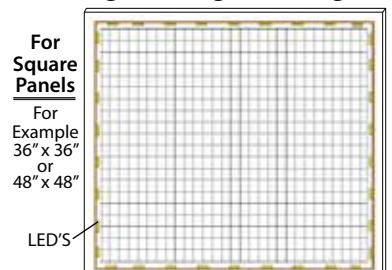
** This is only recommended for when panels are "nearly" square. It is not recommended for long narrow panels

Nova Backlighting System

Material: Optical Grade PMMA Acrylic

FACE OPTIONS

Single Face Illumination *(Standard)*

Illuminated Front Face

Non-Illuminated
Back Face
(with reflective
white backer)
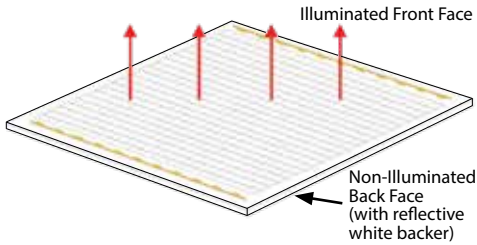
Double Face Illumination *(Option)*

Both Front and Back Face (no reflective white backer)
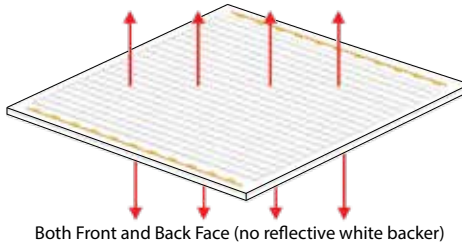
Application Options

• A wide variety of accessory options are available, See Page R-120.

• Environment: Dry environments are standard but if needed for a wet location, then please inquire further

• Quoting Requirements: DXF (CAD) and/or PDF drawings with dimensions and wire locations labeled must be provided

BRIGHTNESS

2,000 to 10,000 Lux- Readings will vary with panel size & design

24″ x 48″ Sheet with 5300K LED's Lit Along 2 Edges (30W)

48″ (1219.2mm)

LED's

5″ away from edge
3500 Lux

Center
3200 Lux

24″ (609.6mm)
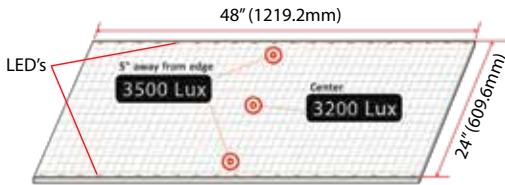
12″ x 12″ Sheet with 5300K LED's Lit Along 2 Edges (8W)

12″ (304.8mm)

LED's

4″ away from edge
4600 Lux

Center
4560 Lux

12″ (304.8mm)
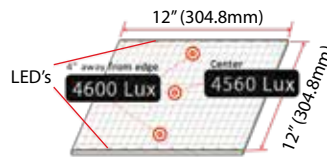
48″ x 96″ Sheet with 5300K LED's Lit Along 2 Edges (60W)

96″ (2438.4mm)

LED's

5″ away from edge
2640 Lux

Center
2035 Lux

48″ (1219.2mm)
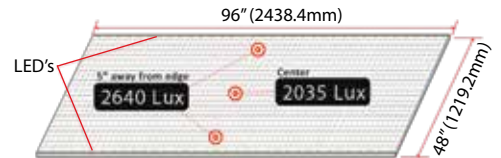
MOUNTING OPTIONS

Fabric Frame Option Available: Please Inquire

Screw Mounting with Pre-Drilled Holes
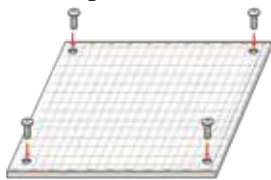
Detailed Dimensions From Customer Required

Mounting with Mirror Clips
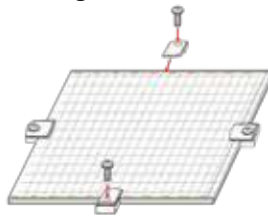
Mounting with Z-Clips
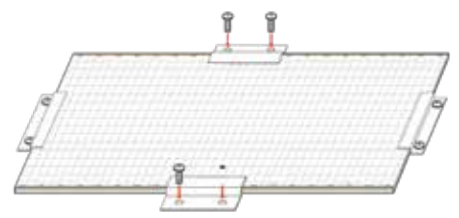
POWER CORD EXIT

Power Cord Exits From Short Side Edge Corner
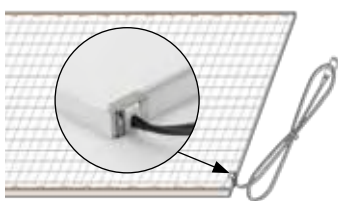
Power Cord Exits From Middle of Each Long Side
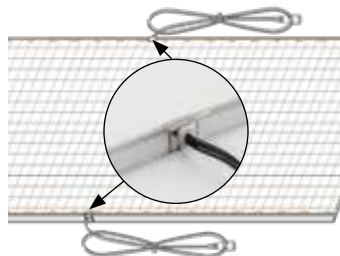
Power Cord Exits From The Back Side
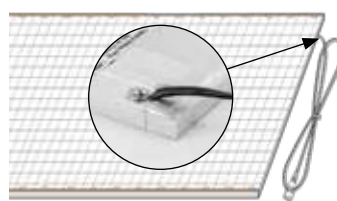
Recessed Notched Power Cord Exit
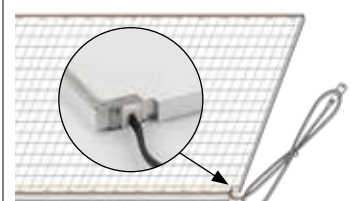
Accessories for Nova Backlighting System

Material: Optical Grade PMMA Acrylic

POWER SUPPLIES

| **Plug In** (12W) | **Plug In** (60W) | **Hardwire** (60W) | **Hardwire** (150W) |

DIMMERS

RF Dimmer with Remote
(Plug In: Up To 60W)

Dimming Module
Hardwire: 60W

+

Leviton Sliding Dimmer

Magnetic Dimming Power Supply
Hardwire: 60W & 150W

+

Lutron Diva Sliding Dimmer

CONTROLLERS

RGB Controller

Color Changing Temperature

For Turnable (CCT) White Only

SPIDER CABLES

2-Way Long

Molded T Connector — 2468 20AWG
2.1/5.5 Barrel
5' (1500mm)
5' (1500mm)
5' (1500mm)

4-Way Long

2468 20AWG — Molded DC Male Connector
Molded T Connector
5' (1500mm) 5' (1500mm) 5' (1500mm) 5' (1500mm)

6-Way Long

Molded DC Female Connector — 2468 20AWG — Molded DC Male Connector
Molded T Connector
1/4" (7mm)
4" (100mm)
4" (100mm) 8" (200mm) 9/16" (14mm) 4" (100mm)
31 1/2" (800mm)

10′ Extension Cable

Molded DC Female Connector
Molded DC Male Connector
10' (3000mm)

2-Way Short

Molded DC Male Connector
Molded DC Female Connector
9 1/2" (241.3mm)

4-Way Short

Molded DC Male Connector
Molded DC Female Connector
12 1/2" (317.5mm)

SAMPLE KITS

1 pc. of Cool, Warm White & Pure White 10″ x 8″ Sample with 1A Power Supply
Part#:
NOVA-SAMP-KIT

10″ x 8″ Sample with 1A Power Supply
Part#:
NOVA-SAMP108-*-P

10″ x 8″ Sample with 1A Power Supply & Dimmer
Part#:
NOVA-SAMP108-*-D

10″ x 8″ RGB Sample with 1A Power Supply & RGB Controller
Part#:
NOVA-SAMP108-RGB-K

10″ x 8″ CCT Sample with 1A Power Supply & CCT Controller
Part#:
NOVA-SAMP108-CCT-K

Cool White (*CW), Pure White (*PW) & Warm White (*WW)

12V | General Duty Light Output | Power Supply | for indoor use only

Grip It - No Drill Clamp: *Illuminated*

Material: Clear Anodized Aluminum

• No drilling required
• All mounting hardware installed
• The clamp wire 38" long

3/4"

1"
1"

Finish:

(MC)
Matte Chrome

IP20 Grip It - No Drill Clamp
Provides Low Protection of Dust & Water
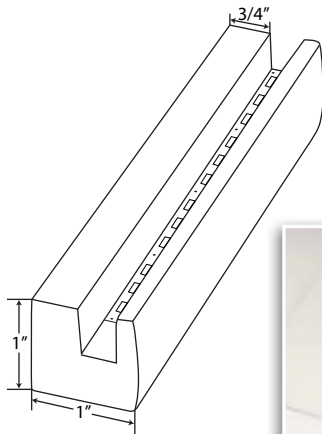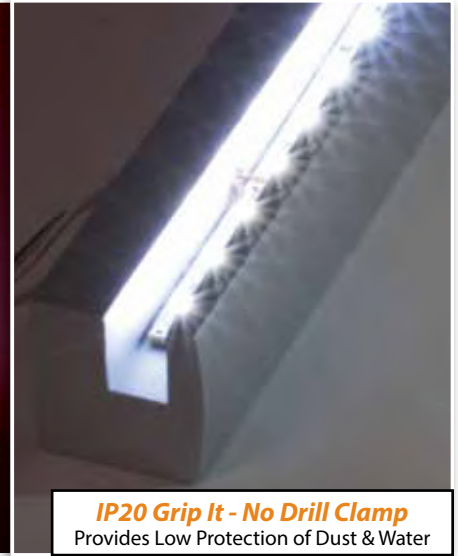
Part #	Color Temp	Finish	Panel Thickness	▲ Maximum Sign Size	Length	# Of LED Chips	Total Wattage
LED-SC80-MC	Cool White	Matte Chrome	3/16" - 5/16"	6-5/16" x 6-5/16"	3-1/8"	6	.4
LED-SC120-MC	Cool White	Matte Chrome	3/16" - 5/16"	9-1/2" x 9-1/2"	4-3/4"	9	.6
LED-SC180-MC	Cool White	Matte Chrome	3/16" - 5/16"	14-3/16" x 14-3/16"	7-1/16"	12	.8

▲ **Maximum sign size per piece**

Lighting Specifications

Color Temperature	CW: 6000K-6500K
Beam Spread	120º
Lumens	CW: 40-80
Color Rendering Index	CW: 70
Rated Average Life	50,000 hrs.
Chip Size	SMD3528
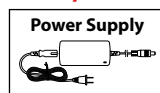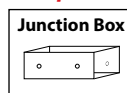
Required **Power Supply** + *Required* **Junction Box** + *Required* **Grip It Clamp**

Please visit page G-33 for our wall anchor selections

Power Supplies *(Required)*

PLUG & PLAY

**Short Circuit Protection • Overload Circuit Protection • IP20
Constant Voltage • Limited 2 Year Warranty
Comes With Appropriate Power Linking Cable**

Plug Type (1A / 12V / 12W)

• 2.91" L x 1.61" W x 1.14" H
• Output Cord: 60"
• Polarized 2 Prong Plug

LED-SC-TR-1A

Junction Box *(Required)*

Function: Is to join multiple fixtures to one power supply

LED-STD-JB10

• 2" L x 1-1/4" W x 1/2" H
• # of Outputs: 10
• Input Cord: 19-11/16"

LED Standoffs: *Perfect for Lobbies & Reception Areas*

for indoor use only | **Power Supply** | **General Duty Light Output** | **12V**

Material: Aluminum

• The standoff wire is 38" long
• Up to 10 pieces can be connected to one power supply
• #6 screws & drywall anchors included

Cap: 15/64"
Thread Length: 3/4"
11/32" Panel Hole Diameter
Thread: M8
Washer
Barrel Length: 1"
1" Dia.

15/64"
1"
1"
19-11/16"

Use 3/4" diameter forstner bit, *(Not sold)* Bore hole depth- 1/8" Bore hole diameter 3/4" with 1/4" through hole

Junction Box
Power Supply

Maximum Recommended Spacing: 20" x 20" for 4 Standoffs

IP20 LED Standoffs Provides Low Protection of Dust & Water

Finishes:

(PC) Polished Chrome | **(MC)** Matte Chrome | **(BK)** Black
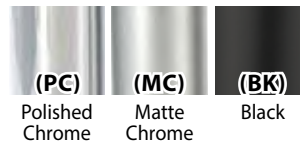
Lighting Specifications

Color Temperature	CW: 6000K-6500K
Beam Spread	120°
Lumens	CW: 30-40
Color Rendering Index	CW: 70
Rated Average Life	10,000 hrs.
Chip Size	SMD2908

Part #	Color Temp	Finish	Panel Thickness (When Graphic is Routed)	Barrel Length	Thread Length	Diameter	# Of LED Chips	Total Wattage
STD-LED-2525-PC	Cool White	Polished Chrome	Up to 1/2"	1"	3/4"	1"	6	.4
STD-LED-2525-MC	Cool White	Matte Chrome	Up to 1/2"	1"	3/4"	1"	6	.4
STD-LED-2525-BK	Cool White	Black	Up to 1/2"	1"	3/4"	1"	6	.4
STD-LED-2525-M-*	Red (*RD), Blue (*BL) & Green (*GR)	Matte Chrome	Up to 1/2"	1"	3/4"	1"	6	.4
STD-LED-2525-B-*	Red (*RD), Blue (*BL) & Green (*GR)	Black	Up to 1/2"	1"	3/4"	1"	6	.4

Please visit page G-33 for our wall anchor selections
For More Standoffs, See Pages C-2~26
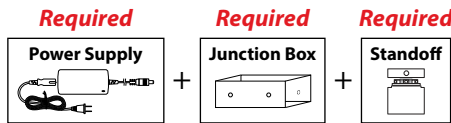
Required Power Supply + **Required** Junction Box + **Required** Standoff

Optional Rechargeable Battery Available See page R-136

Power Supplies *(Required)*

PLUG & PLAY
Short Circuit Protection • Overload Circuit Protection • IP20 Constant Voltage • Limited 2 Year Warranty Comes With Appropriate Power Linking Cable

Plug Type (1A / 12V / 12W)
• 2.91" L x 1.61" W x 1.14" H
• Output Cord: 60"
• Polarized 2 Prong Plug
LED-STD-TR-1A

Junction Box *(Required)*

Function: Is to join multiple fixtures to one power supply

LED-STD-JB10 Plug & Play *No Soldering*

• 2" L x 1-1/4" W x 1/2" H
• # of Outputs: 10
• Input Cord: 19-11/16"

How Long Will My Battery Last?
Battery Longevity:
$$\frac{(AMPS \times VOLTS)}{WATTS} = HRS$$

LED Ladder Backlight System

Available Lengths: Nominal 20" & 40"
Material: Aluminum with White Coating

• Ultra Bright: Latest 2835 chip technology produces up to 1440 lumens per length.
• Works with FSB41TX-CL *(See Page D-4)*, FSB81TX-CL & FSB150TX-CL *(See Page D-6)*.
• Backlight as little as 1-1/2" depth without hotspots
• Easily connect ladders together for versatile sizing
• No heat sink required
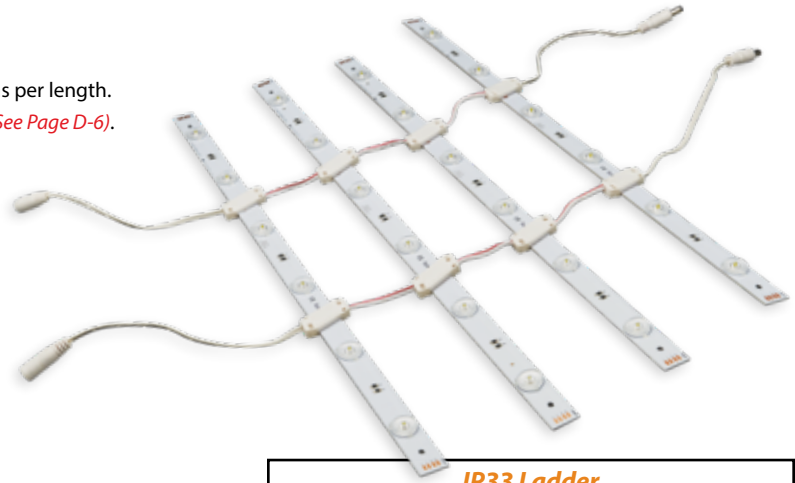
IP33 Ladder
Limited Protection From Touch, Tools & Splashing Water

6 Row
LED-LDR196: 19.69" & LED-LDR396: 39.37"

|3.25"| 1.625"
16.75"

4 Row
LED-LDR194: 19.69" & LED-LDR394: 39.37"

|3.25"| 1.625"
9.75"
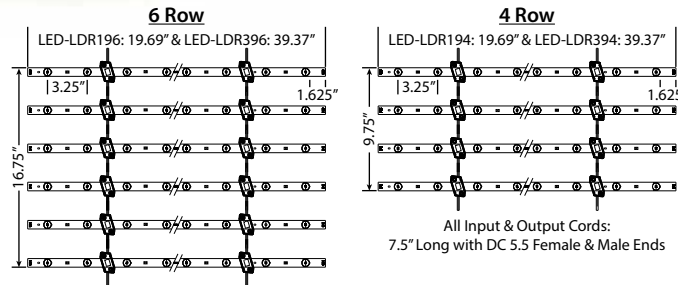
All Input & Output Cords:
7.5" Long with DC 5.5 Female & Male Ends

Part #	Color Temp	Description	# Of LED Chips	Total Wattage	Max # Can Connect
LED-LDR194-CW	Cool White	4- Row 19.69" Length	24	29	5
LED-LDR196-CW	Cool White	6- Row 19.69" Length	36	43	3
LED-LDR394-CW	Cool White	4- Row 39.37" Length	48	58	2.5
LED-LDR396-CW	Cool White	6- Row 39.37" Length	72	86	1.5

Lighting Specifications

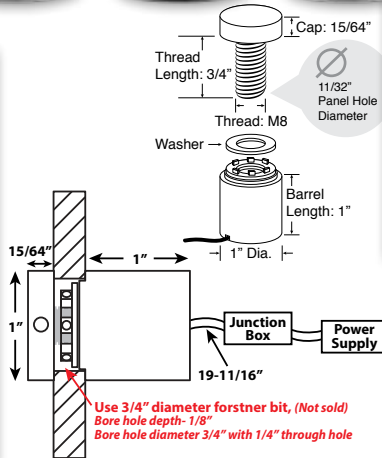|	
Color Temperature	CW: 6500K
Beam Spread	168°
Lumens	436 per ft.
Color Rendering Index	85+
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	2835

Required
Power Supply
See Page R-123

+

Optional (Pick One Option)
Dimmer   Switch
See Pages R-138~140 *or* *See Page R-145*

+
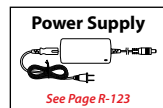
Required
Ladder
See Page R-123
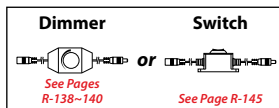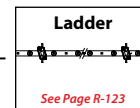
Required

Power Supplies *(IP20)*
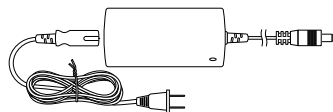
Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-6A	Desktop	6A	12V	72W	4.68"L x 2.34"W x 1.48"H
LED-12V-9A	Desktop	9A	12V	108W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

12V | Super Bright Light Output | UL

Nova SEG Frame: *Bring Your SEG Game To The Next Level*

Available Lengths: 16" x 20", 24" x 36", 30" x 40" & 36" x 48"
Material: PMMA with Aluminum Frame

• Only 10.6MM Overall Thick-Ultra Thin & Light
• Supplied with a 12V Power Supply at No Extra Cost
• Fast Activation- No Flickering
• Aluminum heat sink preserves the life span of your frame
• Uses High Quality PMMA Material- 90% Output
• Limited 5 Year Warranty

7/16" Thick

Power Supply Included with Every Frame

IP20 Nova SEG Frame
Provides Low Protection of Dust & Water

Lighting Specifications

Color Temperature	CW: 6500K-7300K
Beam Spread	120°
Lumens	NOVA-1620-CW: 1400 NOVA-2436-CW: 2520 NOVA-1620-CW: 2802 NOVA-1620-CW: 3360
Color Rendering Index	85+
Rated Average Life	50,000 hrs.
Constant	Current
Chip Size	2835

Part #	Description	# Of LED Chips	Total Wattage
NOVA-1620-CW	16" x 20" X 7/16" Frame With Power Supply	105	15
NOVA-2436-CW	24" x 36" X 7/16" Frame With Power Supply	189	28
NOVA-3040-CW	30" x 40" X 7/16" Frame With Power Supply	210	31
NOVA-3648-CW	36" x 48" X 7/16" Frame With Power Supply	252	37
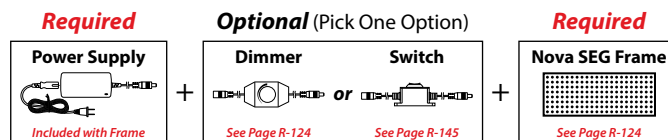
Required
Power Supply
Included with Frame

\+

Optional (Pick One Option)
Dimmer   **Switch**
See Page R-124   *or*   *See Page R-145*

\+

Required
Nova SEG Frame
See Page R-124

Optional

Dimmers
A power linking cable required.

Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM-WH	Inline Rotary	White	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

12V

Super Bright Light Output

UL Power Supply

Fully Assembled Front Loading Aluminum Frames

Material: Aluminum Frame with Acyclic Light Guide Panel

- Comes ready to use: Clear PVC cover, mounting hardware & power supply included
- Easy front load feature
- Can be used either landscape or portrait
- Low profile, should meet ADA requirements
- Plug & Play

FRONT VIEW

MITERED CORNERS

CORNER BRACE

SPRING

LIGHT GUIDE PANEL

SHOWN ILLUMINATED

SUPER BRIGHT!
EVEN ILLUMINATION!

BACK VIEW

MOUNTING HOOKS ON BACK FOR PORTRAIT OR LANDSCAPE USE

FOAM BOARD BACKER

7/8"

Clear PVC Cover

Graphic

1"

Light Guide Panel

LED

1 1/2"

Foam Board Backer
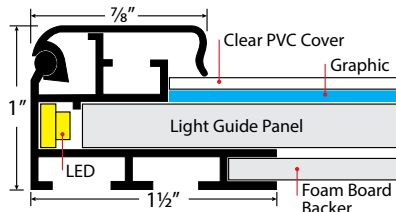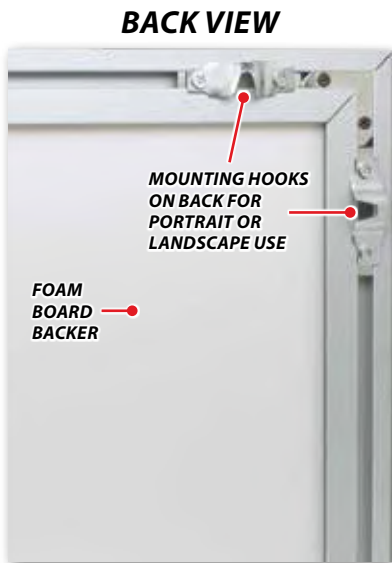
BEVELED EDGE PROFILE

Power Supply Included!

Lighting Specifications

Color Temperature	WW: 7500K-8500K
Lumens	FLF-LED-0811: 275 FLF-LED-1117: 475 FLF-LED-1620: 625 FLF-LED-2228: 1000 FLF-LED-2436: 1250
Color Rendering Index	CW: 75-80
Rated Average Life	50,000 hrs.
Chip Size	SMD2835

Part #	Color Temp	Finish	Graphic Size	Reveal Dimensions (Nominal)	Overall Dimensions (Nominal)	Total Wattage
FLF-LED-0811	Cool White	Anodized Aluminum	8.5" x 11"	8-1/8" x 10-11/16"	10-1/8" x 12-3/4"	3
FLF-LED-1117	Cool White	Anodized Aluminum	11" x 17"	10-5/8" x 14-3/8"	12-1/2" x 18-5/16"	4
FLF-LED-1620	Cool White	Anodized Aluminum	16" x 20"	15-19/32" x 19-5/8"	17-3/8" x 21-3/8"	6
FLF-LED-2228	Cool White	Anodized Aluminum	22" x 28"	21-1/2" x 27-1/2"	23-3/8" x 29-3/8"	10
FLF-LED-2436	Cool White	Anodized Aluminum	24" x 36"	23-5/8" x 35-1/2"	25-1/2" x 37-3/8"	13

UL Power Supply   **Super Bright Light Output**   **12V**

Crystal Light Box

For Counter & Wall Mount Displays
Material: Acrylic with Aluminum Post

- Super thin 3/8"
- Available in wall mount & counter top
- Power supply included
- Includes On / Off Switch

SLEEK THIN DESIGN

COUNTER TOP

Comes with 2 standoffs 1/2" Dia. x 1" Long

Comes with 2 Counter Top Legs (Satin Stainless Finish) 1/2" Dia. x 2" Long

WALL MOUNT

1" Depth

Comes with 4 Standoffs (Satin Stainless Finish) 1/2" Dia. x 1" Long

ILLUMINATED

BEVELED EDGE CREATES OUTER GLOW ILLUMINATION!

Constant Voltage
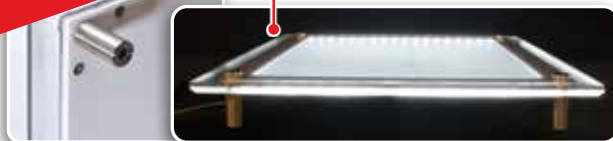
GRAPHIC BETWEEN LIGHT PANEL & COVER THEN FASTEN WITH STANDOFFS

COVER

LED LIGHTS ARE STORED INSIDE & LIGHT IS GUIDED THROUGH PANEL

Clear Cover — Cap
Graphic — Washer
1/8"
1/4"
3/8"
LED
Light Guide Panel & White Backer
1" Depth
Barrel
1/2" Dia.
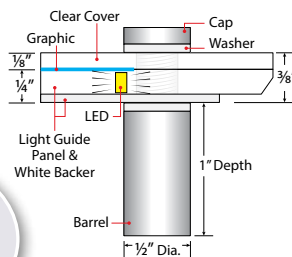
Lighting Specifications

Color Temperature	CW: 6100K
Lumens	CLB-LED-0811-W: 186 CLB-LED-1117-W: 93 CLB-LED-1620-W: 102 CLB-LED-2228-W: 121 CLB-LED-2436-W: 167 CLB-LED-0811-C: 186 CLB-LED-1117-C: 93
Color Rendering Index	CW: 70
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	SMD2835

DISCONTINUED PLEASE CALL ONE OF OUR SALES ASSOCIATES FOR OTHER OPTIONS

Part #	Color Temp	Graphic Size	Reveal Dimensions (Nominal)	Overall Dimensions (Nominal)	Total Wattage
CLB-LED-0811-W	Cool White	8.5" x 11"	8" x 10-5/8"	10-13/16" x 13-5/16"	1.8
CLB-LED-1117-W	Cool White	11" x 17"	10-5/8" x 16-5/8"	13-3/4" x 19-3/4"	3.6
CLB-LED-1620-W	Cool White	16" x 20"	15-1/2" x 19-3/4"	18-1/4" x 23-11/16"	6
CLB-LED-2228-W	Cool White	22" x 28"	21-9/16" x 27-9/16"	24-3/4" x 30-3/4"	9
CLB-LED-2436-W	Cool White	24" x 36"	23-1/2" x 35-5/8"	27-1/8" x 39-1/8"	11
CLB-LED-0811-C	Cool White	8.5" x 11"	8" x 10-5/8"	10-13/16" x 13-5/16"	1.8
CLB-LED-1117-C	Cool White	11" x 17"	10-5/8" x 16-5/8"	13-3/4" x 19-3/4"	3.6

Available for either wall mount (-w) or counter top (-c) applications.

12V | Super Bright Light Output | ⓊⓁ Power Supply

"Tiny" Spot LED Lights

Material: Aluminum with Clear Polycarbonate Lens

• Ultra compact & extremely bright
• Fully Connectable
• Emits virtually no heat
• Heads swivels 360º and pivots 180º for easy direction of light
• 39" connecting cable with 3.5 Male/Male Connector
• Screws Included

Tiny Spot 11 *(Up To 110 Lumens Per Fixture)*

Dimensions: 2", 11/16", 1-5/8", 1-1/8"
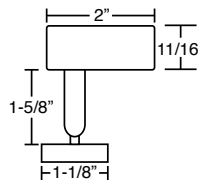
Lighting Specifications For Tiny Spot 15 & Tiny Spot 11

Color Temperature	CW: 6500K
Beam Spread	60º
Lumens	CW: 110
Color Rendering Index	CW: 75
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	CREE3535

Part #	Color Temp	Finish	# Of LED Chips	Total Wattage	Max # Can Connect
LED-TS05-CW	Cool White	Polished Chrome	1	2	15
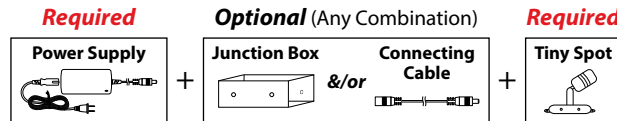
Required   ***Optional*** (Any Combination)   ***Required***

Power Supply **+** Junction Box *&/or* Connecting Cable **+** Tiny Spot

Power Supplies *(Required)*

PLUG & PLAY

Short Circuit Protection • Overload Circuit Protection • IP20 • Constant Voltage
Comes With DC 3.5 Reducer Power Linking Cable • Limited 2 Year Warranty

Plug Type (1A / 12V / 12W)

• 2.91" L x 1.61" W x 1.14" H
• 22AWG Output Cord: 5'
• Polarized 2 Prong Plug
LED-12V-1A

ⓊⓁ DC 3.5 Reducer

Plug Type (3A / 12V / 36W)

• 3.41" L x 2.31" W x 1.26" H
• 18AWG Output Cord: 6'
• Polarized 2 Prong Plug
LED-12V-3A

Optional Rechargeable Battery Available See page R-136

How Long Will My Battery Last?

Battery Longevity: $\dfrac{\text{(AMPS x VOLTS)}}{\text{WATTS}} = \text{HRS}$

Junction Box *(Optional)*

Function: Is to join multiple fixtures to one power supply
Only Works With LED-TS05-CW

• 1-5/8" L x 1-1/4" W x 5/8" H
• Power In: 1 Port
• Power Out: 4 Ports
LED-CLE-JB

Connecting Cable *(Optional)*

Function: To connect junction box or other lights

DC 3.5   **Length: 39"**   DC 3.5
LED-35MM-39CC-BK

12V Power Supply — Junction Box — Connecting Cable — Junction Box
Fixtures
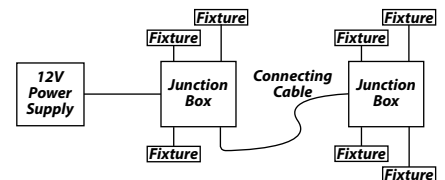
Slim Series: Wall Washer

Available Lengths: 19.7" & 39.4"
Material: Silver Aluminum Housing

- Perfect for landscape lighting, buildings facades and both indoor and outdoor displays.
- No UV & RF Interference
- Maintenance Fee
- Low Voltage
- Easily connectable with waterproof connectors
- Two Sizes for numerous applications
- Limited 5 Year Warranty

IP67 Wall Washer
Suitable For Wet Locations

1.4" 2.2" 19.7" & 39.9" Overall Length Brackets That Swivel 9.75" 9.75"
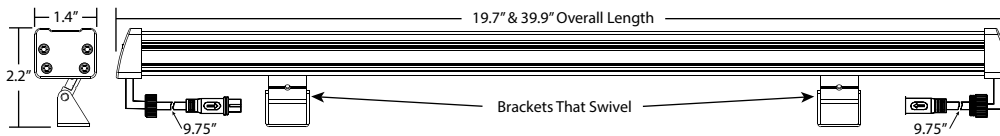
Lighting Specifications

Color Temperature	NW: 5000K
Beam Spread	30º
Lumens	LED-WALL24-CW: 1000 LED-WALL48-CW: 2000
Color Rendering Index	80
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	SMD2835

Part #	Color Temp	Size	# Of LED Chips	Total Wattage	Max # Can Connect	Max. Lig. Dis.
LED-WALL24-CW	Neutral White	1.4" D x 2.2" H x 19.7" L	24	10	10	10'
LED-WALL48-CW	Neutral White	1.4" D x 2.2" H x 39.4" L	48	20	5	13'

Required Power Supply — *See Page R-128* **+** *Required* Power Linking Cable — *See Page R-128* **+** *Required* Wall Washer — *See Page R-128*

Required

Power Supplies *(IP67)*
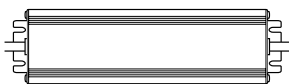
Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-2.5A-HW	Hardwire	2.5A	24V	60W	7.5"L x 1.88"W x 1.33"H
LED-24V-4A-HW	Hardwire	4A	24V	96W	8.74"L x 2.71"W x 1.69"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Power Linking Cable
Required for power supplies

Part #	Description	Overall Length	Finish
LED-WALL-PWL	Connects from power supplies to wall washer	12"	Black

Conforms to UL Std 153
Certified to CAN/CSA C 22.2 No 9

120V

Klem Light Fixture

Material: Metal

- **Lightweight But Extremely Durable!** Stainless Steel Arm with Nickel Plated Zinc Components and Highly Polished Aluminum Shade.

- **Safe For Museum Pieces!** LED Bulbs do not emit damaging heat.

- **Easy To Use!** Each fixture is uniquely designed for ease of fixation.

- **No Power Supply Required!** 120V, simply plug into any outlet. Black power cord is 10 feet long with 3-Prong plug.

- **Versatile and Portable!** The light head clamp can be adjusted to various angles for the greatest potential of any exhibit.

Lighting Specifications
LED

Color Temperature	CW: 5000K WW: 3000K
Beam Spread	40°
Lumens	360 per fixture
Color Rendering Index	80
Constant	Voltage

Paneo®: Top Panel Mounted *(Two-Piece Bracket Assembly & Mounting)*
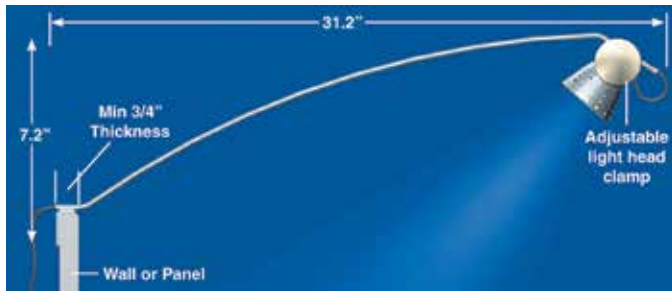
Mount to panel by hooking the light fixture into a base unit affixed invisibly to the rear edge of the panel.
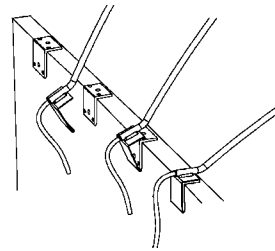
Part #	Description
*Cool White (*CW) & Warm White (*WW)*	
205-P	Paneo® Exhibit Light Fixture
205-P-LED-*	Paneo® Exhibit Light Fixture With 5W LED Bulb

Imago®: Surface Mounted

Part #	Description
*Cool White (*CW) & Warm White (*WW)*	
210-I	Imago® Exhibit Light Fixture
210-I-LED-*	Imago® Exhibit Light Fixture With 5W LED Bulb

"Center Stage" Exhibit & Display Lights

Super bright, energy efficient & cost effective LED option for showcasing your exhibit, display & products
Material: Aluminum

- Super bright- comparable to an 150W halogen bulb
- Energy efficient only 21W
- Includes On/Off switch at the base of the fixture
- Includes a 10' long power cords with a 3 prong plug
- Nominal 18" overall length
- The light head will swivel approximately 360º and will rotate down or up 45º
- Sturdy, but light weight aluminum construction with a protective acrylic lens
- Light head measures 5-3/4" x 2-1/2"

Pivots 45º

Rotates 360º

Plug & Play

Mounting Clips Slide Into Base
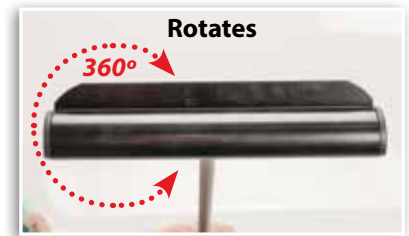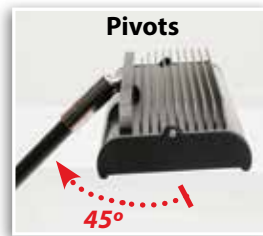
Part #	Color Temp	Finish	Length	# Of LED Chips	Total Wattage
LED-EXL21-BK	Cool White	Black	18" *(Nominal)*	50	21
LED-EXL21-SL	Cool White	Silver	18" *(Nominal)*	50	21

Lighting Specifications

Color Temperature	CW: 6000K-7000K
Beam Spread	120º
Lumens	CW/WW: 1600
Color Rendering Index	70
Rated Average Life	36,000 hrs.
Constant	Voltage
Chip Size	5630

Mounting Clips (*Required*)

Small Clamp
- Clamps up to 1-3/16"
- Material: Aluminum

LED-EXL-SC-*

*Black (*BK) & Silver (*SIL)*

Large Clamp
- Clamps up to 1-3/4"
- Material: Aluminum

LED-EXL-LC-*

*Black (*BK) & Silver (*SIL)*

Cabinet Mounting Plate
- Screw mount to the top of a cabinet
- Material: Aluminum
- 1/4" Screw Hole, Screws Included

LED-EXL-CP-*

*Black (*BK) & Silver (*SIL)*

Channel Letter Lighting System: *The New Generation Of Channel Letters*

Available Lengths: 30', 37' & 49'
Material: Polycarbonate Housing

- NEW LED modules innovatively designed for indoor & outdoor lighting
- Widest, most even spread of light, to work in shallow and deep cans
- Offers the most even lighting technology available
- UV/IR protected and IP67 rating to handle extreme weather conditions
- Mounts with supplied 3M adhesive on the back or can be fastened with screws (Not Supplied)
- Limited 5 Year Warranty

IP67 Channel Letter Lighting
Suitable For Wet Locations

LED-YOCL-UCW *(Up To 125 Lumens Per Foot)*

Min. Can Depth: 1.5″

3.67″   3.67″

Module Dimensions: 1.126″L x .807″W x .374″D
75 Modules per 30' Coil (.50 watts per mod)

Lighting Specifications

Color Temperature	UCW: 7500K
Beam Spread	180º
Lumens	125 per ft
Color Rendering Index	70+
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	2835

Part #	Color Temp	Description	Length	# Of LED Chips	Total Wattage
LED-YOCL-UCW	Ultra Cool White	80 pc. module string	30'	3	40W (.50W per mod)

LED-ANPCL-UCW *(Up To 205 Lumens Per Foot)*

Min. Can Depth: 2″

5.33″

Module Dimensions: 2.54″L x .81″W x .276″D
75 Modules per 49' Coil (1.2 watts per mod)

Lighting Specifications

Color Temperature	UCW: 7500K
Beam Spread	180º
Lumens	205 per ft
Color Rendering Index	70+
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	3030

Part #	Color Temp	Description	Length	# Of LED Chips	Total Wattage
LED-ANPCL-UCW	Ultra Cool White	80 pc. module string	49'	2	96W (1.2W per mod)

Recommended Depth/ Spacing Coverage Chart To Avoid Hot Spots	Part #	Min. Depth	Frame Depth	Rcmd. Spacing Between Rows	Frame Depth	Rcmd. Spacing Between Rows	Frame Depth	Rcmd. Spacing Between Rows	Frame Depth	Rcmd. Spacing Between Rows	Frame Depth	Rcmd. Spacing Between Rows
	LED-YOCL-UCW	1.5″	2″	3″	3″	7″	4″	10″	5″	15″	6″-8″	15″
	LED-ANPCL-UCW	2″	2″	3″	3″	7″	4″	10″	5″	15″	6″-8″	15″
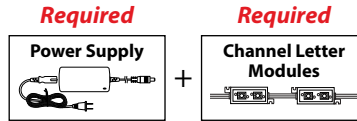
Required Power Supply + *Required* Channel Letter Modules
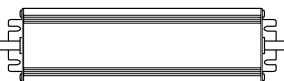
Power Supplies *(IP67)*

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-5A-HW	Hardwire	5A	12V	60W	7.5″L x 1.88″W x 1.33″H
LED-12V-8.3A-HW	Hardwire	8.3A	12V	100W	8.74″L x 2.71″W x 1.69″H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

RGB Channel Letter Lighting: *The New Generation Of Channel Letters*

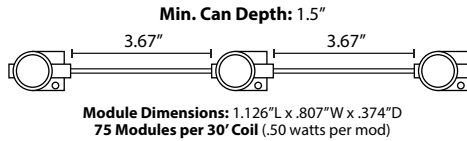### Available Lengths: 30'
Material: Polycarbonate Housing

- NEW LED modules innovatively designed for indoor & outdoor lighting
- Latest LED chip technology = maximum brightness output
- Smart RGB controller offers a multitude of programmable patterns
- High IP67 rating to handle damp weather conditions
- Mounts with supplied 3M adhesive on the back or can be fastened with screws (Not Supplied)
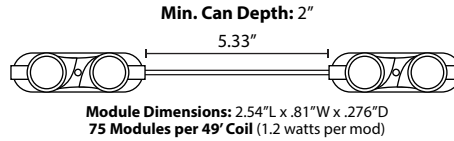- Limited 3 Year Warranty

IP67 RGB Channel Letter Lighting
Suitable For Wet Locations

Endless Possibilities of Colors

7 *Solid Colors*

RED	BLUE
PURPLE	WHITE
GREEN	YELLOW
CYAN	

LED-TRICL-RGB

Min. Can Depth: 4"

3.17"
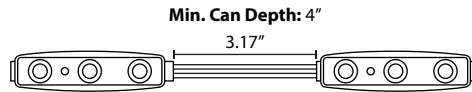
Module Dimensions: 2.83"L x .79"W x .55"D
60 Modules per 30' Coil (.72 watts per mod)

Lighting Specifications

Color Temperature	RGB
Beam Spread	160°
Color Rendering Index	70+
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	5050

Part #	Color Temp	Description	Length	# Of LED Chips	Total Wattage
LED-TRICL-RGB	RGB	60 pc. module string	30'	3	43W .72W per mod
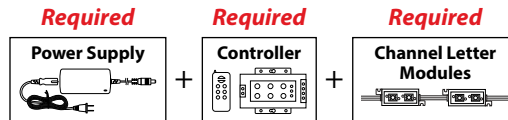
Required + *Required* + *Required*

Power Supply + **Controller** + **Channel Letter Modules**

Required

Power Supplies *(IP67)*

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-5A-HW	Hardwire	5A	12V	60W	7.5"L x 1.88"W x 1.33"H
LED-12V-8.3A-HW	Hardwire	8.3A	12V	100W	8.74"L x 2.71"W x 1.69"H
LED-12V-16.6A-HW	Hardwire	16.6A	12V	200W	9.84"L x 3.11"W X 2"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Smart Controller (SPI)

**RGB Channel Letter WIFI-
28 Preset Programs &
80+ SPI Programmable Functions**

LED-TRICL-CTRL

Wi Fi
SPI Controller

Features:

- 8A / 12V / 100W
- Receiver Size: 5"L x 3.34"W x 1.23"H
- Max Length: 150'
- Output Signal: SPI
- Input: Female DC 5.5
- Output: Ethernet CAT5E
- Mounting: Screw
- Remote Control Function: WIFI
- Limited 3 Year Warranty

Controller Functions:

Create a strobing, chasing, flashing, meteor & curtain effect!

- Racing Patterns
- Wave Patterns
- Jumping Patterns
- Strobing Color Combination Patterns
- Static/Color: 7 Options (Red, Green, Blue, Purple, Cyan (Aqua) & White

LED Power Supplies

Our high quality power supplies have many safety features. Reference individual series, the safety features are defined below.

CLASS 2: Refers to the NEC- National Electric Code. To avoid potential cable overheating due to excessive currents and electric shock, the output of the power supply is limited to 60VDC or 100VA. (100W when used with an AC-DC power supply)

CLASS II: Referring to a power supply with either a double or reinforced insulation barrier between the input and the output. Class II power supplies will have a double square symbol.

LEVEL VI: Increase efficiency and reduced "no-load" power consumption.

SHORT CIRCUIT PROTECTION: A protection circuit that limits current and acts as an electronic circuit breaker, unit returns to full functionality when the short is removed.

OVERLOAD CIRCUIT PROTECTION: A protection circuit that prevents the output current from exceeding maximum ratings.

Wall Mount

- **Certification: UL, ROHS, FCC**
- **Input Voltage: 100V - 220V**
- **Operating Temperature: 32˚ - 104˚**
- **Frequency: 50HZ - 60HZ**
- **Constant: Voltage**
- **IP Rating: IP20**
- **Indoor Use**
- **Plug Type: Polarized 2 Prong**
- **Output Cord: DC 5.5**
- **Warranty: Limited 2 Year**
- **Housing Material: ABS Plastic**
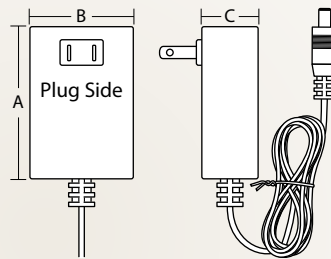
Part #	Output Volts	Max Watts	Max Amps	Input Cord	Output Cord	Wire Gauge	Class	Dimensions
12V								
LED-12V-1A	12V	12W	1A	-	72”	22AWG	Class 2	A: 2.91” x B: 1.61” x C: 1.14”
LED-12V-3A	12V	36W	3A	-	72”	18AWG	Class 2	A: 3.41” x B: 2.31” x C: 1.26”
24V								
LED-24V-1A	24V	24W	1A	-	72”	22AWG	Class 2	A: 3.13” x B: 2.07” x C: 1.52”
LED-24V-1.5A-DC5.5	24V	36W	1.5A	-	72"	22AWG	Class 2	A: 3.13” x B: 2.07” x C: 1.52”

Desktop

- **Certification: UL, ROHS, FCC**
- **Input Voltage: 100V - 220V**
- **Operating Temperature: 32˚ - 104˚**
- **Frequency: 50HZ - 60HZ**
- **Constant: Voltage**
- **IP Rating: IP20**
- **Indoor Use**
- **Plug Type: Polarized 2 Prong**
- **Output Cord: DC 5.5**
- **Warranty: Limited 2 Year**
- **Housing Material: ABS Plastic**
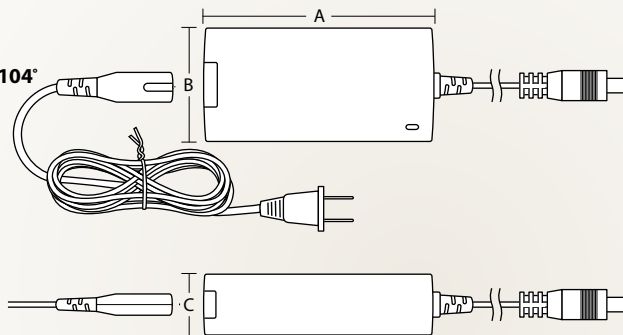
Part #	Output Volts	Max Watts	Max Amps	Input Cord	Output Cord	Wire Gauge	Class	Dimensions
12V								
LED-12V-6A	12V	72W	6A	48’	72”	18AWG	Class 2 / Class II	A: 4.68” x B: 2.34” x C: 1.48”
LED-12V-9A	12V	108W	9A	48"	72"	18AWG	Class II	A: 6.77” x B: 2.83” x C: 1.57”
24V								
LED-24V-3A	24V	72W	3A	48”	72”	18AWG	Class 2 / Class II	A: 4.68” x B: 2.34” x C: 1.48”
LED-24V-4A	24V	96W	4A	48”	72”	18AWG	Class II	A: 6.77” x B: 2.83” x C: 1.57”
LED-24V-6A	24V	144W	6A	48”	72”	18AWG	Class II	A: 6.77” x B: 2.83” x C: 1.57”

Some LED fixtures may require a power link cable to connect to the power supply. Please refer to product listing.

LED Power Supplies

Our high quality power supplies have many safety features. Reference individual series, the safety features are defined below.

CLASS 2: Refers to the NEC- National Electric Code. To avoid potential cable overheating due to excessive currents and electric shock, the output of the power supply is limited to 60VDC or 100VA. (100W when used with an AC-DC power supply)

CLASS II: Referring to a power supply with either a double or reinforced insulation barrier between the input and the output. Class II power supplies will have a double square symbol.

SHORT CIRCUIT PROTECTION: A protection circuit that limits current and acts as an electronic circuit breaker, unit returns to full functionality when the short is removed.

OVERLOAD CIRCUIT PROTECTION: A protection circuit that prevents the output current from exceeding maximum ratings.

Non-Dimmable Hardwire

- **Certification: UL, ROHS**
- **Input Voltage: 100V - 265V**
- **Operating Temperature: -22˚ - 122˚**
- **Frequency: 50HZ - 60HZ**
- **Constant: Voltage**
- **IP Rating: IP67**
- **Indoor & Outdoor Use**
- **Warranty: Limited 2 Year**
- **Housing Material: Aluminum** (Aluminum housing provided superior heat sink for maximum performance)
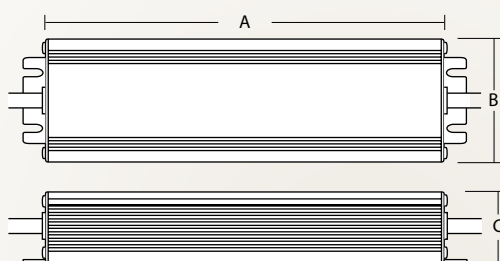
LED-24V-2.5A-HWSL Is So Slim It Can Now Be Concealed Inside The SEG Frame

Part #	Output Volts	Max Watts	Max Amps	Input Cord	Output Cord	Wire Gauge	Class	Dimensions
12V								
LED-12V-5A-HW	12V	60W	5A	7.5"	7.5"	18AWG	Class 2	A: 7.5" x B: 1.88" x C: 1.33"
LED-12V-8.3A-HW	12V	99.6W	8.3A	10.5"	10.5"	18AWG	-	A: 8.74" x B: 2.71" x C: 1.69"
LED-12V-16.6A-HW	12V	199W	16.6A	10.5"	10.5"	18AWG	Class 2	A: 9.84" x B: 3.11" x C: 2"
24V								
LED-24V-1.25A-HW	24V	30W	1.25A	10.5"	10.5"	18AWG	Class 2	A: 7.16" x B: 1.14" x C: .78"
LED-24V-2.5A-HWSL	24V	60W	2.5A	39" *with US plug*	39" *with DC5.5*	18AWG	Class 2	A: 11.8" x B: 1.25" x C: .78"
LED-24V-2.5A-HW	24V	60W	2.5A	10.5"	10.5"	18AWG	Class 2	A: 7.5" x B: 1.88" x C: 1.33"
LED-24V-4A-HW	24V	96W	4A	10.5"	10.5"	18AWG	Class 2	A: 8.74" x B: 2.71" x C: 1.69"
LED-24V-8.3A-HW	24V	199W	8.3A	10.5"	10.5"	18AWG	-	A: 9.84" x B: 3.11" x C: 2"
New **LED-24V-12.5A-HW**	24V	300W	12.5A	7.87"	7.87"	18AWG/14AWG	-	A: 9.92" x B: 3.07" x C: 1.85"

MOX Lighting Universal Dimmable Hardwire

- **Certification: ETL**
- **Input Voltage: 100 - 130VAC**
- **Operating Temperature: 4˚ - 104˚**
- **Frequency: 50HZ - 60HZ**
- **Constant: Voltage**
- **Indoor & Outdoor Use**
- **Warranty: Limited 3 Year**
- **Housing Material: ABS Plastic or Aluminum** (Fully insulated case)

Part #	Output Volts	Max Watts	Max Amps	Input Cord	Output Cord	Wire Gauge		Class	Dimensions
						Primary	Secondary		
12V									
LED-12V-5A-HWUD	12V	60W	5A	-	-	-	-	Class 2	A: 7.09" x B: 2.36" x C: 1.38"
LED-12V-10A-HWUD	12V	120W	10A	-	-	-	-	Class 2	A: 10.12" x B: 3.07" x C: 1.89"
24V									
LED-24V-2.5A-HWUD	24V	60W	2.5A	-	-	-	-	Class 2	A: 7.09" x B: 2.36" x C: 1.38"
LED-24V-5A-HWUD	24V	120W	5A	-	-	-	-	Class 2	A: 10.12" x B: 3.07" x C: 1.89"

Some LED fixtures may require a power link cable to connect to the power supply. Please refer to product listing.

LED Power Supplies

Our high quality power supplies have many safety features. Reference individual series, the safety features are defined below.

CLASS 2: Refers to the NEC- National Electric Code. To avoid potential cable overheating due to excessive currents and electric shock, the output of the power supply is limited to 60VDC or 100VA. (100W when used with an AC-DC power supply)

CLASS II: Referring to a power supply with either a double or reinforced insulation barrier between the input and the output. Class II power supplies will have a double square symbol.

SHORT CIRCUIT PROTECTION: A protection circuit that limits current and acts as an electronic circuit breaker, unit returns to full functionality when the short is removed.

OVERLOAD CIRCUIT PROTECTION: A protection circuit that prevents the output current from exceeding maximum ratings.

Magnitude Magnetic Dimmable Hardwire

- **Certification: ETL**
- **Input Voltage: 120V**
- **Operating Temperature: -22˚ - 122˚**
- **Frequency: 50HZ - 60HZ**
- **Constant: Voltage**
- **IP Rating: NEMA 3R**
- **Indoor & Outdoor Use**
- **Warranty: Limited 5 Year**
- **Housing Material: Aluminum** (Aluminum housing provided superior heat sink for maximum performance)
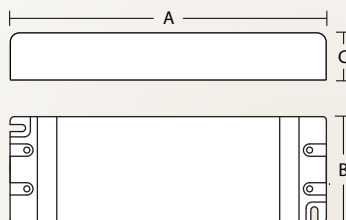
Part #	Output Volts	Max Watts	Max Amps	Input Cord	Output Cord	Wire Gauge Primary	Secondary	Class	Dimensions
12V									
LED-12V-5A-HDM	12V	60W	5A	6"	6"	20AWG	14AWG	Class 2	A: 6.55" x B: 2.25" x C: 2.55"
LED-12V-13A-HDM	12V	156W	13A	6"	6"	18AWG	12AWG	Class 2	A: 9.80" x B: 3.00" x C: 3.00"
LED-12V-16.6A-HDM	12V	200W	16.6A	6"	6"	18AWG	12AWG	Class 2	A: 9.80" x B: 3.00" x C: 3.00"
24V									
LED-24V-4A-HDM	24V	96W	4A	6"	6"	20AWG	14AWG	Class 2	A: 9.80" x B: 3.00" x C: 3.00"
LED-24V-6A-HDM	24V	144W	6A	6"	6"	18AWG	12AWG	Class 2	A: 9.80" x B: 3.00" x C: 3.00"
LED-24V-8.3A-HDM	24V	200W	8.3A	6"	6"	18AWG	12AWG	Class 2	A: 9.80" x B: 3.00" x C: 3.00"

Magnitude MLV/TROAC Dimmable Hardwire

- **Certification: UL, UL 8750, FCC**
- **Input Voltage: 120VAC**
- **Operating Temperature: -22˚ - 122˚**
- **Frequency: 50HZ - 60HZ**
- **Constant: Voltage**
- **IP Rating: NEMA 3R**
- **Indoor & Outdoor Use**
- **Warranty: Limited 5 Year**
- **Housing Material: Aluminum** (Compact aluminum housing provided superior heat sink for maximum performance)

Part #	Output Volts	Max Watts	Max Amps	Input Cord	Output Cord	Wire Gauge Primary	Secondary	Class	Dimensions
12V									
LED-12V-3.3A-HDMB	12V	40W	3.3A	6"	6"	18AWG	14AWG	Class 2	A: 6.77" x B: 2.67" x C: 1.26"
LED-12V-5A-HDMB	12V	60W	5A	6"	6"	18AWG	14 AWG	Class 2	A: 6.77" x B: 2.67" x C: 1.26"
24V									
LED-24V-2.5A-HDMB	24V	60W	2.5A	6"	6"	18AWG	14AWG	Class 2	A: 6.77" x B: 2.67" x C: 1.26"
LED-24V-4A-HDMB	24V	96W	4A	6"	6"	18AWG	14AWG	Class 2	A: 6.77" x B: 2.67" x C: 1.26"

Some LED fixtures may require a power link cable to connect to the power supply. Please refer to product listing.

LED Power Supplies

Our high quality power supplies have many safety features. Reference individual series, the safety features are defined below.

CLASS 2: Refers to the NEC- National Electric Code. To avoid potential cable overheating due to excessive currents and electric shock, the output of the power supply is limited to 60VDC or 100VA. (100W when used with an AC-DC power supply)
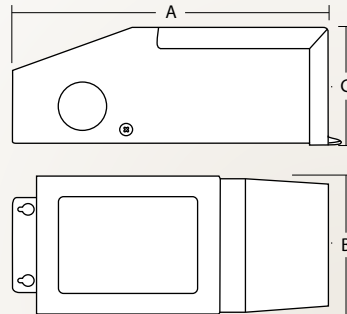
CLASS II: Referring to a power supply with either a double or reinforced insulation barrier between the input and the output. Class II power supplies will have a double square symbol.

SHORT CIRCUIT PROTECTION: A protection circuit that limits current and acts as an electronic circuit breaker, unit returns to full functionality when the short is removed.

OVERLOAD CIRCUIT PROTECTION: A protection circuit that prevents the output current from exceeding maximum ratings.

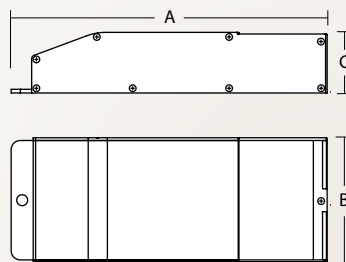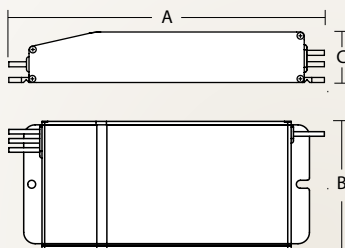## Magnitude MLV/TROAC Dimmable Hardwire

- **Certification: UL Recognized, Ul 8750 & FCC**
- **Input Voltage: 120V**
- **Operating Temperature: -22˚ - 122˚**
- **Frequency: 50HZ - 60HZ**
- **Constant: Voltage**
- **IP Rating: IP67**
- **Indoor & Outdoor Use**
- **Warranty: Limited 5 Year**
- **Housing Material: Aluminum**
  (Super compact aluminum housing provided superior heat sink for maximum performance and easy to hide)

Part #	Output Volts	Max Watts	Max Amps	Input Cord	Output Cord	Wire Gauge Primary	Wire Gauge Secondary	Class	Dimensions
12V									
LED-12V-3.3A-HDMC	12V	40W	3.3A	6"	6"	18AWG	14AWG	Class 2	A: 4.92" x B: 1.97" x C: .77"
LED-12V-5A-HDMC	12V	60W	5A	6"	6"	18AWG	14AWG	Class 2	A: 4.92" x B: 1.97" x C: .77"
24V									
LED-24V-2.5A-HDMC	24V	60W	2.5A	6"	6"	18AWG	14AWG	Class 2	A: 4.92" x B: 1.97" x C: .77"
LED-24V-4A-HDMC	24V	96W	4A	6"	6"	18AWG	14AWG	Class 2	A: 4.92" x B: 1.97" x C: .77"

Rechargeable Battery With Overcharge Protection

- **Constant: Voltage**
- **Warranty: Limited 2 Year**
- **IP Rating: IP20**
- **LED Indicator: Red when not fully charged & green when charged**
- **Can use switch or sensor without depleting battery life**
- **On/Off switch on battery**
- **Power Supply: Included for charging**
- **Plug Type: Input- DC 5.5 Male & Output- DC 5.5 Female**

Power Supply Included
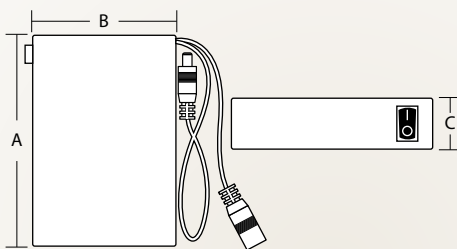
Part #	Volts	Amps	Input Cord	Output Cord	Dimensions	Class	Longevity
12V							
LED-RB12V-4.8A	12V	4.8	9-1/2" DC 5.5 Male	5-/12" DC 5.5 Female	A: 4.25" x B: 2.25" x C: .75"	Class II	2.5 hrs. (ECO12-*3560-16-*)
LED-RB12V-8A	12V	8	9-1/2" DC 5.5 Male	5-/12" DC 5.5 Female	A: 4.313" x B: 2.688" x C: .875"	Class II	4 hrs. (ECO12-*3560-16-*)
24V							
LED-RB24V-3A	24V	3	3" DC 5.5 Female	6" DC 5.5 Male	A: 4.375" x B: 2.25" x C: .688"	Class II	12 hrs. (RIB24-I5060-*)
LED-RB24V-5A	24V	5	3" DC 5.5 Female	6" DC 5.5 Male	A: 5" x B: 2.563" x C: 1.75"	Class II	20 hrs. (RIB24-I5060-*)

How Long Will My Battery Last?   Battery Longevity: $\frac{(AMPS \times VOLTS)}{WATTS} = HRS$

Some LED fixtures may require a power link cable to connect to the power supply. Please refer to product listing.

LED Power Supplies

Power Linking Cables

Some LED fixtures may require a power link cable to connect to the power supply. Please refer to product listing.
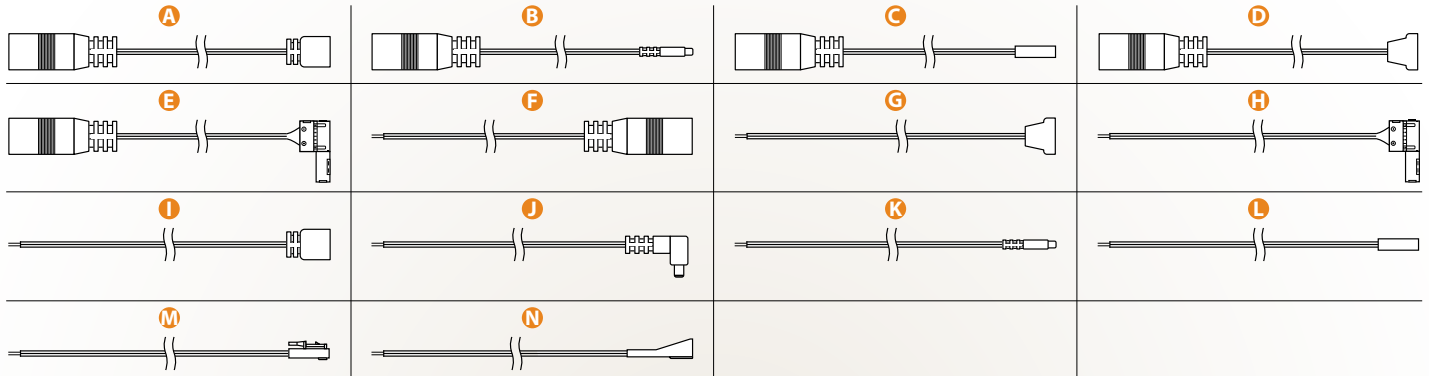
	Part #	Compatible	Function	Length	Wire Gauge	Color
		Dedicated System Connection				
A	LED-RIBBON-PWL	RIB24 Single	With Pin Connection *(Pins Included)*	18"	22AWG	Black
B	LED-SLSHX-PWL	Gen Next Thin Light	With Gen Next Connection	18"	18AWG	White
C	LED-WF-PWL	Utopia	With Utopia Connection	18"	22AWG	White
		For Cut Pieces of Ribbon				
D	LED-FPC-15-PWL	DP2415	100% Usable Connection	24"	22AWG	Black
E	RIB8-100U-PL	DP248-DP12/ECO12	100% Usable Connection	18"	22AWG	Black
E	RIB8-100U-PL120	DP248-DP12/ECO12	100% Usable Connection	18"	22AWG	Black
E	RIB10-100U-PL	DP2410/RIB12	100% Usable Connection	18"	22AWG	Black
E	RIB10-100U-PL120	DP2410/RIB12	100% Usable Connection	18"	22AWG	Black
E	LED-RIBBON-100U-PL	RIB24/ECO12	100% Usable Connection	18"	22AWG	Black
		Hardwire				
F	LED-WIR9-BK	-	With Female DC 5.5	108"	20AWG	Black
F	LED-DCF-MCC	-	With Female DC 5.5	18"	22AWG	Black
G	LED-FPC-15-ST	DP2415	With 100% Usable Connection	36"	22AWG	Black
H	RIB8-100U-ST	DP248-DP12/ECO12	With 100% Usable Connection	79"	22AWG	Black
H	RIB10-100U-ST	DP2410/RIB12	With 100% Usable Connection	79"	22AWG	Black
H	LED-RIBBON-100U-RT	RIB24/RIB12 RGB	With 100% Usable Connection	79"	22AWG	Black
H	LED-RIBBON-100U-ST	RIB24 Single	With 100% Usable Connection	79"	22AWG	Black
I	LED-RIBBON-MCC	RIB24 Single	With Pin Connection *(Pins Included)*	18"	22AWG	Black
I	LED-RIB-RGB-MCC	RIB24/RIB12 RGB	With Pin Connection *(Pins Included)*	18"	22AWG	Multi
J	LED-T5-MCC	T5 Sunray	With Right Angle Male DC 5.5	18"	22AWG	Black
K	LED-SLSHX-MCC	Gen Next Thin Light	With Gen Next Connection	18"	18AWG	White
L	LED-WF-MCC	Utopia	With Utopia Connection	18"	22AWG	White
M	LED-813MINI-M	Marque	With Marque Connection (Male)	6"	22AWG	Black
N	LED-813MINI-F	Marque	With Marque Connection (Female)	6"	22AWG	Black

LED Dimmers

❀ LUTRON.

|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

- **Lutron dimmers work with our magnetic low voltage & TRIAC hardwire dimmable power supplies**
- **Range of dimming depends on the led light (most LED's will not dim to 0)**

- **Wall plates sold separately**
- **Fits most standard wall plates**
- **Works with Nova Sheet**

- **IP Rating: IP20**
- **Limited 2 Year Warranty**

120V Dimmer Feature List

Features	Skylark (S-600P-WH)	Diva (DVLV-600P-WH)
Single Pole	X	X
Night Time Locator	X	X
Works With Our Hardwire Dimmable Driver	X	X
RF Wireless	X	X
Color: White	X	X
Power Failure Memory	X	X
UL	X	X
ROHS		
cULus		
FCC		
Wall Mounting	X	X

Skylark **Diva**

Part #	Description	Volts	Max. Watts	Input Cord	Output Cord	Dimensions
S-600P-WH	SKYLARK- On/Off switch with slide dimmer	120V	450W	5.875"	5.875"	A: 4.125″ x B: 2.125″ x C: 1.687″
DVLV-600P-WH	DIVA- Rocker switch with slider dimmer	120V	450W	5.875"	5.875"	A: 4.125″ x B: 2.125″ x C: 1.625″
CW-1-WH	White Wall Plate *(screwless)*	-	-	-	-	A: 4.69" x B: 2.94" x C: 0.30"

OPI Series

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120V Dimmer Feature List

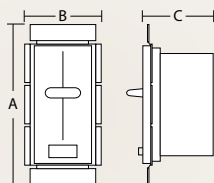| Features	OPI Series (OPDM-16-3)
3-Way	X
Single Pole	X
Night Time Locator	X
Works With Our Hardwire Dimmable Driver	X
RF Wireless	
Color: White	X
Magnesium Color	
UL	X
FCC	
Wall Mounting	X
LED Light Indicator	X

- **OPI Series dimmer works with our magnetic low voltage & TRIAC hardwire dimmable power supplies**
- **Range of dimming depends on the led light (most LED's will not dim to 0)**
- **Wall plates sold separately**
- **Fits most standard wall plates**
- **Works with 120V Brite Light Flex & Infinity**
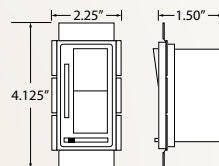
Part #	Description	Volts	Max. Watts	Input Cord	Output Cord	Dimensions
OPDM-16-3	Rocker switch with slider dimmer	120V	600W	5.875"	5.875"	A: 4.125″ x B: 2.25″ x C: 1.50″
CW-1-WH	White Wall Plate *(screwless)*	-	-	-	-	A: 4.69" x B: 2.94" x C: 0.30"
RWP26W	White Wall Plate *(screwless)*	-	-	-	-	A: 4.94" x B: 3.15" x C: 0.25"

Sensor

|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Works With All Wall Mount & Desktop Power Supplies

- **IP Rating: IP20**
- **Warranty: Limited 1 Year**
- **Mounting: Surface or Recessed**

Surface Mount   Recessed Mount

Drill Hole Size
13mm (Approx. 1/2")
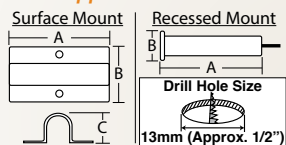
Surface Mount   **Recessed Mount**

Part #	Description	Volts	Max. Amps	Max. Watts	Input Cord	Output Cord	Dimensions
LED-DSEN	Door Sensor	12V	3A	36W	18" DC 5.5 Female	18" DC 5.5 Male	Surface: A: 2.5″ x B: 1.125″ x C: .687″
		24V	3A	72W			Recessed: A: 2.5″ x B: .625″

LED Dimmers

L legrand

120V Dimmer Feature List

Features	Radiant (RH703PTUTC)	Radiant Wireless Main (LC2101-WH)	Radiant Wireless Remote (LC2103-WH)	Softouch (LGD120-DIMST*)
Tru-Universal	X	X		X
3-Way	X			X
Buttom End Cut-Off	X	X		X
Single Pole	X	X		X
Night Time Locator	X			X
Works With Our Hardwire Dimmable Driver	X	X	X	X
RF Wireless		X	X	X
Color: White		X	X	X
Magnesium Color				X
3 Face Colors: White, Light Almond & Ivory	X			X
UL	X	X	X	X
ROHS	X	X	X	X
cULus	X			X
FCC	X	X		X
Wall Mounting	X	X	X	X

- Legrand dimmers work with our magnetic low voltage & TRIAC hardwire dimmable power supplies
- Ranging of dimming depends on the led light (most LED's will not dimm to 0)
- Wall plates sold separately
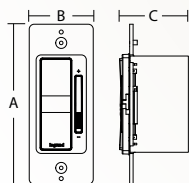- Fits most standard wall plates

- True-Universal technology automatically adapts to light eliminating flickering
- Radiant wireless features voice activated control with Google Assistant or Amazon Alexa *(Only LC2101-WH & LC2103-WH)*
- Work with 120V Brite Light Flex & Infinity
- IP Rating: IP20

Radiant
Shown With Wall Plate

Radiant Wireless Main
Shown With Wall Plate
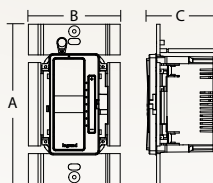
Radiant Wireless Remote
Shown With Wall Plate
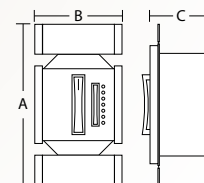
sofTap
Shown With Wall Plate
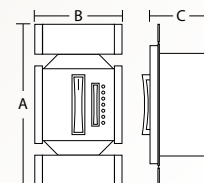
Part #	Description	Finish	Volts	Max. Watts	Dimensions
RH703PTUTC	Radiant- Rocker switch with slide dimmer	White	120V	450W	A: 4.25" x B: 1.75" x C: 1.25"
LC2101-WH	Radiant Wireless Main- Touch with touch slide dimmer	White	120V	450W	A: 4.19" x B: 1.75" x C: 1.73"
LC2103-WH	Radiant Wireless Remote- Touch with touch slide dimmer	White	120V	450W	A: 4.19" x B: 1.75" x C: 1.73"
LGD120-DIMST-MG	sofTap- Touch switch with touch slide dimmer	Magnesium	120V	450W	A: 4.187" x B: 1.75" x C: 1.75"
LGD120-DIMST-WH		White	120V	450W	A: 4.187" x B: 1.75" x C: 1.75"
LGD120-WP-MG	Wall Plates For sofTap *(Sold Separately)*	Magnesium	-	-	A: 5" x B: 3.375" x C: .375"
LGD120-WP-WH		White	-	-	A: 5" x B: 3.375" x C: .375"
RWP26W	Wall Plates For Radiant & Radiant Wireless *(Sold Separately)*	White	-	-	A: 4.94" x B: 3.15" x C: .375"

LED Dimmers

Standard Dimmers

Works With All Wall Mount & Desktop Power Supplies

• **Warranty: Limited 1 Year**
• **IP Rating: IP20**

A. Inline Rotary *(Short Cables)*
Available In : Black or White

B. Inline Touch

C. Rotary

D. Radio Frequency

E. Round LED Dimmer Controller
Available In : Black or White — New

F. Receiver for Round Controller — New

G. Controller & Remote Set for Dimming LED Ribbon — New

	Part #	Volts	Max. Amps	Max. Watts	Input Cord	Output Cord	Dimensions	Dimmer Type	Range of Dimming	Mounting
A	LED-INLINE-DIM *(Finish: Black)*	12V / 24V	6A / 6A	72W / 144W	6" DC 5.5 Female	6" DC 5.5 Male	L: 2.6" x W: 1.4" x H: 1"	Rotary	0-100%	-
A	LED-INLINE-DIM-WH *(Finish: White)*	12V / 24V	6A / 6A	72W / 144W	6" DC 5.5 Female	6" DC 5.5 Male	L: 2.6" x W: 1.4" x H: 1"	Rotary	0-100%	-
B	LED-INLINE-TCHDIM	12V / 24V	2A / 2A	24W / 48W	6" DC 5.5 Female	6" DC 5.5 Male	L: 1.25" x W: .75" x H: .44"	Touch	0-100%	-
C	LED-ROTY-DIM	12V / 24V	8A / 8A	96W / 192W	24" DC 5.5 Female	24" DC 5.5 Male	L: 2.25" x W: 3.5" x H: 1.5"	Rotary	0-100%	Screw
D	LED-INLINE-RF	12V / 24V	6A / 6A	72W / 144W	3.5" DC 5.5 Female	3.5" DC 5.5 Male	L: 1.5" x W: .5" x H: .125"	RF	0-100%	-
E	LED-ROUND-CR-BK *(Finish: Black)*	12V / 24V	6A / 6A	72W / 144W	-	-	3.15" Diameter	RF	0-100%	Screw
E	LED-ROUND-CR-WH *(Finish: White)*	12V / 24V	6A / 6A	72W / 144W	-	-	3.15" Diameter	RF	0-100%	Screw
F	LED-ROUND-RECV	12V / 24V	6A / 6A	72W / 144W	DC 5.5 Port	Screw Terminal	L: 1.75" x W: 3.62" x H: 0.87"	RF	0-100%	-
G	LED-DIM-CR	12V / 24V	6A / 6A	72W / 144W	DC 5.5 Port	Screw Terminal	L: 1.75" x W: 3.62" x H: 0.87"	RF	0-100%	Screw

Toggle Switch

Works With All Hardware Power Supplies

Toggle Switch
• Single Pole
• Grounded
• Rated 15 AMP
• Thermal Plastic Impact Resistant Toggle & Frame
• Works with 120V Brite Light Flex & Infinity

Wall Plate
• One Gang
• Standard Size
• Easy to Install

Toggle Switch

Wall Plate

Part #	Description	Volts	Max. Watts	Dimensions
LED-TOG	Toggle Switch	120V	1800W	L: 4.25" x W: 1.3125" x H: 1"
LED-TOG-PLT-WH	White Wall Plate	-	-	A: 4.5" x B: 2.75" x C: 0.25"

LED Cables & Connectors

Connecting Cables For 24V DP24, ECO12V 3528 & ECO 12V RGB

	Part #	Descriptions	Works With	Function	Length	Wire Gauge	Color
A	LED-FPC-15-CON24	Connecting Cable	DP2415		24"	22AWG	White
A	LED-FPC-15-CON36	Connecting Cable	DP2415		36"	22AWG	White
B	RIB8-100U-C1	Connecting Cable	DP248/DP12/ECO12		24"	22AWG	Black
B	RIB8-100U-C1-120	Connecting Cable	DP248/DP12/ECO12		36"	22AWG	Black
B	RIB8-100U-C2	Connecting Cable	DP248/DP12/ECO12		24"	22AWG	Black
B	RIB8-100U-C2-120	Connecting Cable	DP248/DP12/ECO12	Directly connect 2 cut pieces of ribbon while providing ability to get around unlit areas	36"	22AWG	Black
B	RIB10-100U-C1	Connecting Cable	DP2410/RIB12		24"	22AWG	Black
B	RIB10-100U-C1-120	Connecting Cable	DP2410/RIB12		36"	22AWG	Black
B	RIB10-100U-C2	Connecting Cable	DP2410/RIB12		24"	22AWG	Black
B	RIB10-100U-C2-120	Connecting Cable	DP2410/RIB12		36"	22AWG	Black
B	LED-RIBBON-100U-C1	Connecting Cable	RIB24/ECO12		24"	22AWG	Black
B	LED-RIBBON-100U-C2	Connecting Cable	RIB24/ECO12		36"	22AWG	Black
C	LED-RIBBON-100U-R1	Connecting Cable	RIB24/RIB12 RGB		24"	22AWG	Black
C	LED-RIBBON-100U-R2	Connecting Cable	RIB24/RIB12 RGB		36"	22AWG	Black

Connectors For 24V DP24, ECO12V 3528 & ECO 12V RGB

	Part #	Descriptions	Works With	Function
A	LED-FPC-15-EE	Connector	DP2415	
B	RIB8-100U-EE	Connector	DP248/DP12/ECO12	
C	RIB10-100U-EE	Connector	DP2410/RIB12	
D	RIB8-100U-2W-EE	Connector	DP248/DP12/ECO12	Usable connection directly connect 2 cut pieces
E	RIB8-100U-3W-EE	Connector	DP248/DP12/ECO12	
F	RIB8-100U-4W-EE	Connector	DP248/DP12/ECO12	
D	RIB10-100U-2W-EE	Connector	DP2410/RIB12	
E	RIB10-100U-3W-EE	Connector	DP2410/RIB12	
F	RIB10-100U-4W-EE	Connector	DP2410/RIB12	

LED Cables & Connectors

Connecting Cables & Connectors For Premium 24V Ribbon & RGB

A

Single & RGB Ribbon　*Single & RGB Ribbon*　*Single & RGB Ribbon*

B

Single & RGB Ribbon　*Single & RGB Ribbon*　*Single & RGB Ribbon*

C *Single & RGB Ribbon*　**D** *Single & RGB Ribbon*　**E**　**F**

G　**H**　**I**

Types of Connection

100% Usable　　**Pin**

J　**K**
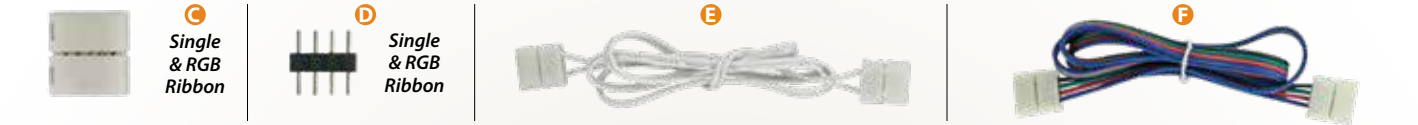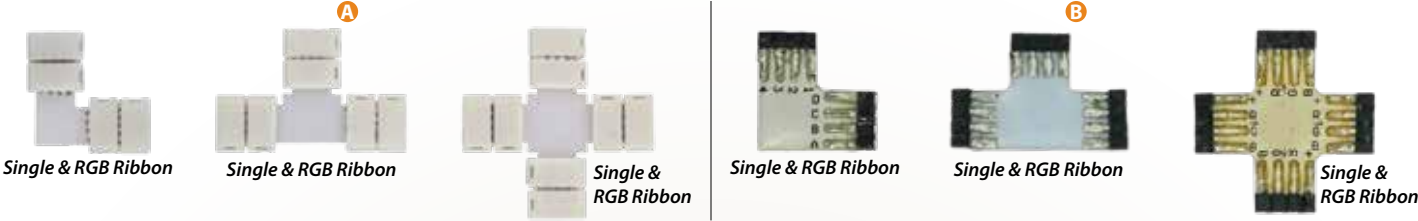
	Part #	Descriptions	Works With	Function
A	LED-RIBBON-2W-EE-C	2-Way L-Shape Connector	Single & RGB Ribbon	Usable connection to connect ribbon at 90º angle
A	LED-RIBBON-3W-EE-C	3-Way T-Shape Connector	Single & RGB Ribbon	
A	LED-RIBBON-4W-EE-C	4-Way +-Shape Connector	Single & RGB Ribbon	
B	LED-RIBBON-2W-C	2-Way L-Shape Connector	Single & RGB Ribbon	Pin connection to connect ribbon at 90º angle
B	LED-RIBBON-3W-C	3-Way T-Shape Connector	Single & RGB Ribbon	
B	LED-RIBBON-4W-C	4-Way +-Shape Connector	Single & RGB Ribbon	
C	LED-RIBBON-100U-EE	Connector	Single & RGB Ribbon	Usable connection directly connect 2 cut pieces

	Part #	Descriptions	Works With	Function
D	LED-4P-CON	Pin Connector	Single & RGB Ribbon	Pin connection to connect ribbon strips

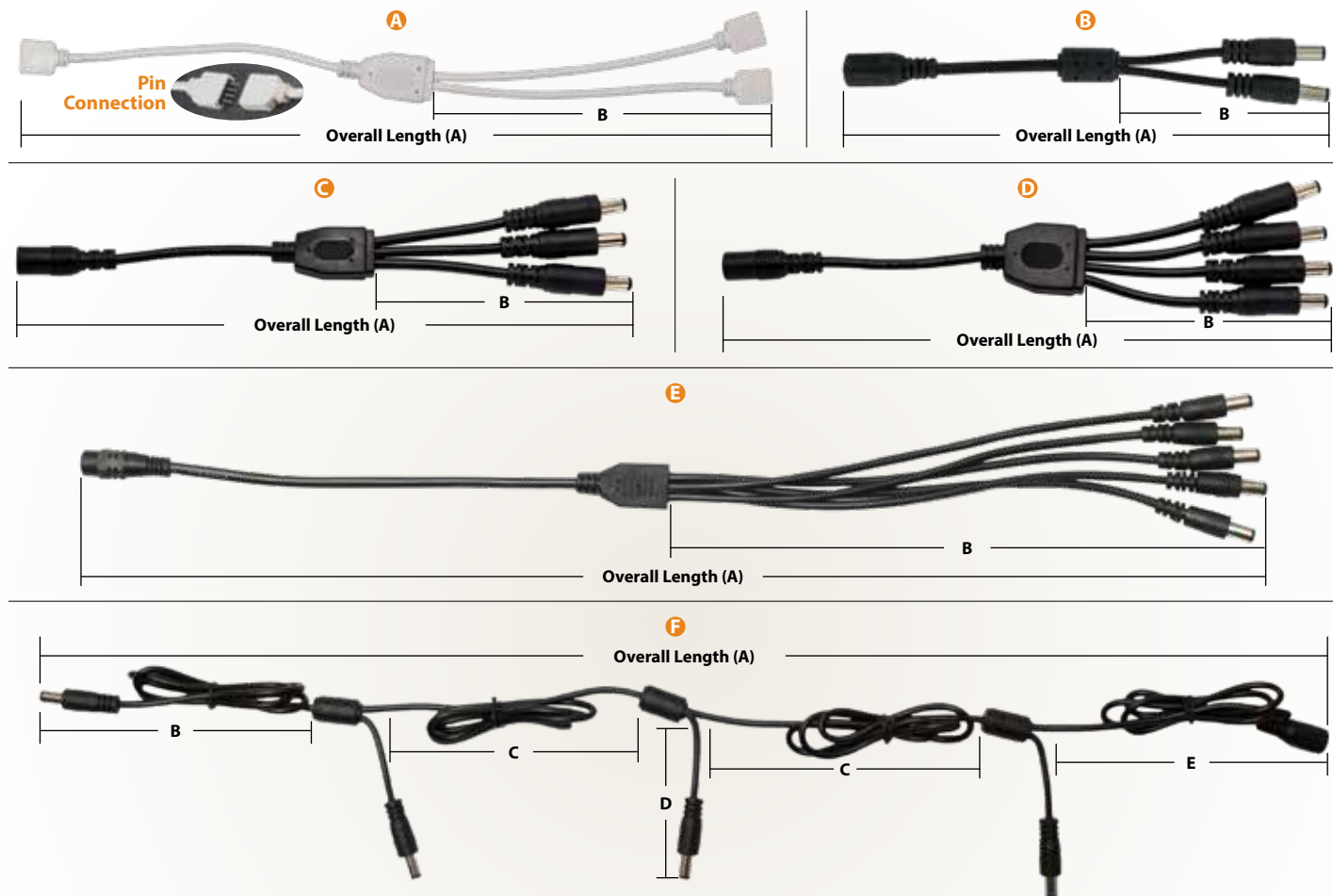|	Part #	Descriptions	Works With	Function	Length	Wire Gauge	Color
E	LED-RIBBON-100U-C1	Connecting Cable	Single Ribbon	Directly connect 2 cut pieces of ribbon while providing ability to get around unlit areas	24"	22AWG	White
E	LED-RIBBON-100U-C2	Connecting Cable	Single Ribbon		36"	22AWG	White
F	LED-RIBBON-100U-R1	Connecting Cable	RGB Ribbon		24"	22AWG	Multi
F	LED-RIBBON-100U-R2	Connecting Cable	RGB Ribbon		36"	22AWG	Multi
G	LED-RIBBON-100U-ST	Connecting Cable	Single Ribbon	Hardwire power supply or dimmer to cut pieces of ribbon	79"	22AWG	Red/Black
H	LED-RIBBON-100U-RT	Connecting Cable	RGB Ribbon		79"	22AWG	Multi
I	LED-RIB-CON-BK	Connecting Cable	Single Ribbon	Allows the designer to get around unlit areas without multiple power supplies	18"	22AWG	Black
I	LED-RIB-CON-WH	Connecting Cable	Single Ribbon		18"	22AWG	White
I	LED-RIB-CON24-WH	Connecting Cable	Single Ribbon		24"	22AWG	White
I	LED-RIB-CON36-BK	Connecting Cable	Single Ribbon		36"	22AWG	Black
I	LED-RIB-CON36-WH	Connecting Cable	Single Ribbon		36	22AWG	White
J	LED-RIBBON-RGB-CON	Connecting Cable	RGB Ribbon		18"	22AWG	Black
J	LED-RIBBON-RGB-C24	Connecting Cable	RGB Ribbon		24"	22AWG	Black
J	LED-RIBBON-RGB-C36	Connecting Cable	RGB Ribbon		36"	22AWG	Black
K	LED-RIBBON-100U-4P	Connecting Cable	RGB Ribbon	Directly connect pin to cut piece of ribbon to get around unlit areas	18"	22AWG	Multi

LED Cables & Connectors

Multi Output Cables/Ports

A

Pin Connection

Overall Length (A) — B

B

Overall Length (A) — B

C

Overall Length (A) — B

D

Overall Length (A) — B

E

Overall Length (A) — B

F

Overall Length (A)

B | C | D | C | E

	Part #	Descriptions	Length A	B	C	D	E	# of Outputs	Wire Gauge	Color
A	LED-2WAY-4P-WH	2 Way Splitter with 4 Pin	12"	5.5"	-	-	-	2 Arms	22AWG	White
B	LED-2WAY-BK	2 Way Splitter with DC 5.5	7"	3"	-	-	-	2 Arms	22AWG	Black
C	LED-3WAY-S-BK	3 Short Arm Sweep Cable w/ DC 5.5	9"	3.75"				3 Arms	22AWG	Black
D	LED-4WAY-BK	4 Short Arm Sweep Cable w/ DC 5.5	9"	3.75"				4 Arms	22AWG	Black
E	LED-3WAY-BK	3 Arm Sweep Cable with DC 5.5	30"	17"	-	-		3 Arms	22AWG	Black
E	LED-5OUT-CBL-BK	5 Arm Sweep Cable with DC 5.5	19"	8.75"	-	-		5 Arms	22AWG	Black
E	LED-5OUT-CBL-WH		19"	8.75"	-	-		5 Arms	22AWG	White
F	LED-SPID2-CBL	2 Arm Spider Cable with DC 5.5	98"	54"	38"	6"	4"	2 Arms & 1 End	18AWG	Black
F	LED-SPID3-CBL	3 Arm Spider Cable with DC 5.5	96"	40"	26"	6"	4"	3 Arms & 1 End	18AWG	Black
F	LED-SPIDER-CBL	3 Arm Spider Cable with DC 5.5	96"	25"	23.5"	4.5"	25"	3 Arms & 1 End	22AWG	Black
F	LED-SPIDER-CBL-WH		96"	25"	23.5"	4.5"	25"	3 Arms & 1 End	22AWG	White

Bulk Wire

| Part #	Description	Works With	Length	# of Wires	Wire Gauge
LED-2WR18-PVC-BK	Bulk Roll	Single Ribbon	656.17' (200M)	2 Wire PVC Coated	18AWG
LED-4WR18-PVC-BK	Bulk Roll	RGB Ribbon	656.17' (200M)	4 Wire PVC Coated	18AWG
LED-5WR18-PVC-BK	Bulk Roll	Special Effects: Dedicated Cool or Warm White Options	656.17' (200M)	5 Wire PVC Coated	18AWG

LED Cables & Connectors

Connectors

For Use With DC 5.5 & DC 3.5 Connections

Ⓐ　Ⓑ　Ⓒ　Ⓓ　Ⓔ

For Use With Bare Wire Connections

Ⓕ　Ⓖ　Ⓗ　Ⓘ　Ⓙ　Ⓚ　Ⓛ

For Use With Bare Wire Connections

Ⓜ

Male　*Female*

Ⓝ

Male　*Female*
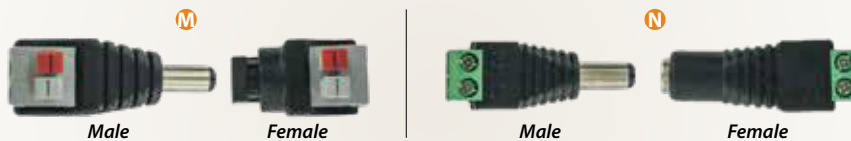
	Part #	Descriptions	Function	Length
A	LED-5555-MM	Barrel Connector	DC 5.5 male to DC 5.5 male	1.625"
B	LED-3535-MM	Barrel Connector	DC 3.5 male to DC 3.5 male	1.5"
C	LED-RCONV-35	Barrel Connector	DC 5.5 male to DC 3.5 female	1.5"
D	LED-RCONV-35M	Barrel Connector	DC 3.5 male to DC 5.5 female	1.5"
E	LED-5555-FF	Barrel Connector	DC 5.5 female to DC 5.5 female	1.5"
F	LED-SNAP-D1	Single Straight Snap Connector	For 18-24 AWG wire	1"
G	LED-SNAP-T1	Single T Snap Connector	For 18-24 AWG wire	1"
H	LED-SNAP-H2	Double H Snap Connector	For 18-24 AWG wire	1"
I	LED-SNAP-T2	Double T Snap Connector	For 18-24 AWG wire	1.125"
J	LED-SPLICE-2	Two Pole Splice Connector	For 12-24 AWG wire	.75"
K	LED-SPLICE-3	Three Pole Splice Connector	For 12-24 AWG wire	.75"
L	LED-SPLICE-4	Four Pole Splice Connector	For 12-24 AWG wire	.75"
M	LED-5555-PM	Push Terminal Connector	DC 5.5 male to push terminal connector	1.5"
M	LED-5555-PF	Push Terminal Connector	DC 5.5 female to push terminal connector	1"
N	LED-5555-SM	Screw Terminal Connector	DC 5.5 male to screw terminal connector	1.5"
N	LED-5555-SF	Screw Terminal Connector	DC 5.5 female to screw terminal connector	1.5"

Connecting Cables

Ⓐ　Ⓑ

	Part #	Descriptions	Function	Length	Wire Gauge	Color
A	LED-55MF-12-*	Connecting Cable	DC 5.5 male to DC 5.5 female	12"	22AWG	Black (*BK) & White (*WH)
A	LED-55MF-24-*	Connecting Cable		24"	22AWG	Black (*BK) & White (*WH)
A	LED-55MF-48-*	Connecting Cable		48"	22AWG	Black (*BK) & White (*WH)
B	LED-A55MF-12CC-*	Angled Connecting Cable	Right angle DC 5.5 male to right angle DC 5.5 female	12"	22AWG	Black (*BK) & White (*WH)
B	LED-A55MF-24CC-*	Angled Connecting Cable		24"	22AWG	Black (*BK) & White (*WH)
B	LED-A55MF-48CC-*	Angled Connecting Cable		48"	22AWG	Black (*BK) & White (*WH)

LED Connectors, Mounting Clips & Switches

Switches

A 3A/6A Switch

C Round Switch

B Door Plunger

	Part #	Function	Volts	Max. Amps	Max. Watts	Input Cord	Output Cord	Dimensions	Warranty	IP Rating	Mounting
			*Black *BK & White *WH*								
A	LED-SWITCH-3A/6A	On/Off	12V	6A	72W	12" DC 5.5 Female	12" DC 5.5 Male	L: 2.25" x W: 1" x H: .75"	1 Year	IP20	Surface
			24V	6A	144W						
B	LED-PLUNT-36-W	Light turns on when door is opened and off when closed	12V	6A	72W	36" DC 5.5 Female	36" DC 5.5 Male	L: 1.063" x W: .375" x H: .875"	-	-	Surface
			24V	6A	144W						
C	LED-RSW-18-*	On/Off	12V	6A	72W	18" DC 5.5 Female	18" DC 5.5 Male	1/2" Nominal Diameter	-	-	Recessed
			24V	6A	144W						
C	LED-RSW-24-*	On/Off	12V	6A	72W	24" DC 5.5 Female	24" DC 5.5 Male	1/2" Nominal Diameter	-	-	Recessed
			24V	6A	144W						
C	LED-RSW-36-*	On/Off	12V	6A	72W	36" DC 5.5 Female	36" DC 5.5 Male	1/2" Nominal Diameter	-	-	Recessed
			24V	6A	144W						
C	LED-LRSW-18-*	On/Off	12V	6A	72W	18" DC 5.5 Female	18" DC 5.5 Male	3/4" Nominal Diameter	-	-	Recessed
			24V	6A	144W						
C	LED-LRSW-24-*	On/Off	12V	6A	72W	24" DC 5.5 Female	24" DC 5.5 Male	3/4" Nominal Diameter	-	-	Recessed
			24V	6A	144W						
C	LED-LRSW-36-*	On/Off	12V	6A	72W	36" DC 5.5 Female	36" DC 5.5 Male	3/4" Nominal Diameter	-	-	Recessed
			24V	6A	144W						

Heat Shrink Tubing

- **Material: Black Polyethylene (PE)**
- **Halogen-free retardant and environmentally friendly material- UL224**
- **2:1 Shrink Ratio**
- **Operating Temperature Range: -65 F To +225 F (-55C to +125C)**
- **Other Colors Available, Please Inquire**

Part #	Nominal Expanded Inside Diameter	Approximate Wire Gauge	Full Coil Length
HST-332-BK	3/32"	22-24AWG	1312'
HST-18-BK	1/8"	20-22AWG	1312'
HST-316-BK	3/16"	18-20AWG	1312'
HST-14-BK	1/4"	16-18AWG	656'
HST-932-BK	9/32"	14-16AWG	656'
HST-38-BK	3/8"	12-14AWG	656'
HST-12-BK	1/2"	10-12AWG	656'
HST-34-BK	3/4"	8-10AWG	656'

Mounting Clips with Screws

A   **B**   **C**

	Part #	Description	Material
A	LED-3528-MC	5/16" IP20/IP65 Ribbon	Silicone
A	LED-5050-MC	3/8" IP20/IP65 Ribbon	Silicone
B	LED-8MM-MC-IP20	5/16" IP20 Ribbon	Plastic
B	LED-10MM-MC-IP20	3/8" IP20 Ribbon	Plastic
B	LED-12MM-MC-IP20	1/2" IP20 Ribbon	Plastic
C	LED-8MM-MC-IP65	5/16" IP65 Ribbon	Plastic
C	LED-10MM-MC-IP65	3/8" IP65 Ribbon	Plastic

LED Controllers & Amplifiers

Standard RGB Controllers

Works With All Wall Mount & Desktop Power Supplies

A. Super Small RGB Controller With Up To 20 Color Changing Functions

Controller Functions:
• Static: 20 Options
• Brightness Adjusting: 19 Options

B. Small RGB Controller With Up To 5 Color Changing Functions

Controller Functions:
• Flashing: 1 Options
• Gradual Color Change: 2 Options
• Color Jumping: 2 Options

C. RGBW Controller For 4 in 1 Ribbon

Controller Functions:
• Static: 3 Options
• Flashing Strobe: 4 Options
• Gradient Change: 2 Options
• Brightness Adjusting: 8 Grades
• Color Jumping: 5 Options

D. RGB & CCT Controller For 5 in 1 Ribbon

Controller Functions:
• Gradient Change: 11 Grades
• Brightness Adjusting: 20 Grades
• Fire Simulator
• 4 Zones

E. LED Controller and Remote Set for RGB Ribbon

New

Controller Functions:
• Gradual Color Change
• 7 Color Jump
• Dimming
• Static Colors

F. LED Controller and Remote Set for RGBW 4-in-1 Ribbon

New

Controller Functions:
• Gradual Color Change
• 7 Color Jump
• Dimming
• Static Colors

	Part #	Volts	Max. Amps	Max. Watts	Input Cord	Output Cord	Dimensions	Color	Remote Control Function	Mounting
A	LED-RGB36-INLINE	12V	6A	72W	3.5" DC 5.5 Female	Pin Connection	L: 1.5" x W: .5" x H: .12"	White	RF	Inline
		24V	6A	144W						
B	LED-RGB36-MIN	12V	6A	72W	DC 5.5 Female Port	9.5" Pin Connection	L: 1.87" x W: 1.37" x H: .87"	White	RF	Screw
		24V	6A	144W						
C	LED-RGBW-CR	12V	6A	72W	DC 5.5 Female Port	Screw Terminal	L: 3.62" x W: 1.75" x H: .87"	White	RF	Adhesive
		24V	6A	144W						
D	LED-WRGBW-CR	12V	6A	72W	DC 5.5 Female Port	Screw Terminal	L: 3.62" x W: 1.75" x H: .87"	White	RF	Adhesive
		24V	6A	144W						
E	LED-RGB-CR	12V	6A	72W	DC 5.5 Female Port	Screw Terminal	L: 3.82" x W: 1.46" x H: 1.10"	White	RF	Screw
		24V	6A	144W						
F	LED-RGBW-CR2	12V	6A	72W	DC 5.5 Female Port	Screw Terminal	L: 3.82" x W: 1.46" x H: 1.10"	White	RF	Screw
		24V	6A	144W						

Amplifiers

Used to extend the signal of an RGB controller- power supply required

A. RGB Amplifier for RGB Ribbon | **B. Mini RGB Amplifier for Ribbon Flex** | **C. 5-Channel LED Amplifier**

New

	Part #	Volts	Max. Amps	Max. Watts	Input Cord	Output Cord	Dimensions	Color	Mounting
A	LED-RIBBON-RGB-AMP	12V	12A	144W	DC 5.5 Female Port	Screw Terminal	L: 3.5" x W: 2.5" x H: .87"	Silver	Screw
		24V	12A	288W					
B	LED-RGBMIN-AMP	12V	12A	144W	Pin Connection	Pin Connection	L: 1.62" x W: .5" x H: .12"	White	Inline
		24V	12A	288W					
C	LED-5CHAN-AMP	12V	6A	72W	DC 5.5 Female Port	Screw Terminal	L: 3.82" x W: 1.46" x H: 1.10"	White	Screw
		24V	6A	144W					

Wireless Radio Frequency Dimmers

Now You Are In Control
Now You Have Greater Control Of Your Lighting Design With Our 10 Zone Dimmer
By Pairing Multiple Controllers To One Receiver Or Several Receivers To One Controller

- **No Wiring Needed**
- **Each dimmer is paired to the included receiver.**
- **Unlike infrared receivers which operate on line of site, our radio frequency sends signals thru any obstacles, such as: walls, cabinet doors, furniture, up to 50 ft. away from receiver.**
- **Dimmer controller runs on a battery (3V CR302 included) for all styles**
- **Battery Life: 3 Years**
- **Freedom to position controller anywhere**
- **Dimmer Range: 10-100%**
- **Dimmer Type: PWM**
- **Push button on/off function for all styles**
- **Limited 3 year warranty**
- **IP Rating: IP20**

Wall Style

Button Style

Desktop Style

Available In 3 Styles

Button Style

Standard

Desktop Style

Standard

RGB

CCT

Wall Style

Standard

RGB

CCT

LED Dimmers

Wireless Radio Frequency For Standard Dimming Control

Standard Dimmer: 10 - 100%

Button Style

Dia: 1.25" x H: .45"
Mounting: Screw
Battery Operated
Finish: Stainless Steel

Desktop Style

L: 4" x W: 1.5" x H 1.8"
Battery Operated
Finish: Black Case With Black Button
Non Skid Bumpons

Wall Style

No Wiring Needed
L: 3.5" x W: 1.37" x H .75"
Mounting: Wall
Battery Operated
Finish: White Case With Silver Button

Easily installs into standard receptacle box. Attaches with 2 screws.

Standard Receiver

L: 3.5" x W: 1.375" x H: .75"
12V/8A/96W or 24V/8A/192W
Input Cord: 18" DC 5.5 Female
Output Cord: 18" DC 5.5 Male
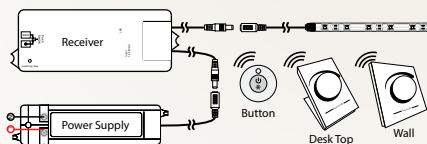
Part #	Description
Standard RF Dimmer Kits	
RF-CTRL-BT	Button Style With Receiver
RF-CTRL-DT	Desktop Style With Receiver
RF-CTRL-WT	Wall Style With Receiver
Individual Price To Create Your Own Kit: For Standard	
RF-RECVR	Receiver
RF-BUTTON	Button Style
RF-DESK	Desktop Style
RF-WALL	Wall Style

Wireless Radio Frequency For RGB Control

RGB Dimmer: Allows to stop on one color and dim from 10 - 100% range

Desktop Style

L: 4" x W: 1.5" x H 1.8"
Battery Operated
Finish: Black Case With Black Button
Non Skid Bumpons

Wall Style

No Wiring Needed
L: 3.5" x W: 1.37" x H .75"
Mounting: Wall
Battery Operated
Finish: White Case With Silver Button

Easily installs into standard receptacle box. Attaches with 2 screws.

RGB Receiver

L: 7" x W: 1.75" x H: .75"
12V/8A/96W or 24V/8A/192W
Input Cord: 18" DC 5.5 Female
Output Cord: 18" Pin Connection
Screw Mount
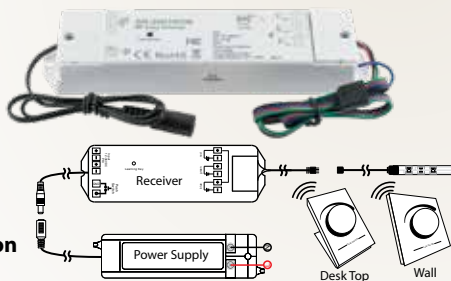
Part #	Description
RGB RF Dimmer Kits	
RF-RGB-CTRL-DT	Desktop Style With Receiver
RF-RGB-CTRL-WT	Wall Style With Receiver
Individual To Create Your Own Kit: For RGB	
RF-RGB-RECVR	Receiver
RF-RGB-DESK	Desktop Style
RF-RGB-WALL	Wall Style

LED Dimmers

Wireless Radio Frequency For CCT Control

CCT Dimmer: Allows to stop on one color and dim from 10 - 100% range

Desktop Style

L: 4" x W: 1.5" x H 1.8"

Battery Operated

Finish: Black Case With Black Button

Non Skid Bumpons

Wall Style

No Wiring Needed
L: 3.5" x W: 1.37" x H .75"

Mounting: Wall

Battery Operated

Finish: White Case With Silver Button

Easily installs into standard receptacle box. Attaches with 2 screws.

CCT Receiver

L: 7" x W: 1.75" x H: .75"
12V/8A/96W or 24V/8A/192W
Input Cord: 18" DC 5.5 Female
Screw Mount

Receiver

Power Supply
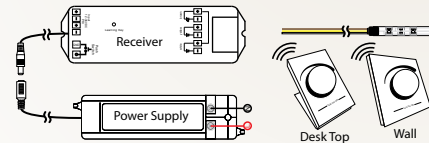
Desk Top   Wall

Part #	Description
CCT RF Dimmer Kits	
RF-CCT-CTRL-DT	Desktop Style With Receiver
RF-CCT-CTRL-WT	Wall Style With Receiver
Individual Price To Create Your Own Kit: For CCT	
RF-CCT-RECVR	Receiver
RF-CCT-DESK	Desktop Style
RF-CCT-WALL	Wall Style

Allows Flexibility To Control Your LED Lights

Up To 10 Zones

Zone 1   Zone 2   Zone 3

For Power Supply, See Pages R-133~137 *(Required)* • The switch much be within 50' of each receivers.

| **Scenario 1:** Pairing One Controller (C) To One Receiver (R) *Works With Standard RF, RGB RF & CCT RF*	**Scenario 2:** Pairing Several Receivers (R) To One Controller (C) *Works With Standard RF, RGB RF & CCT RF*	**Scenario 3:** Pairing Multiple Controllers (C) To One Receiver (R) *Works With Standard RF*

Luminous Ceiling Panels: *LED & Fluorescent Applications*
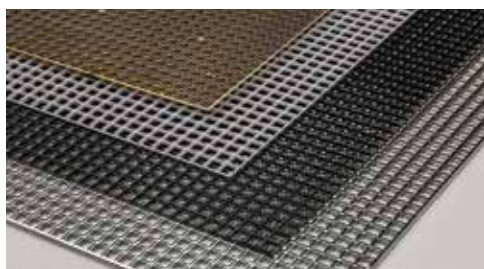
Made of acrylic or styrene plastic • Available by sheet or case
Sheet size: 2' x 4' • Durable & Economical • Variety of patterns to choose from
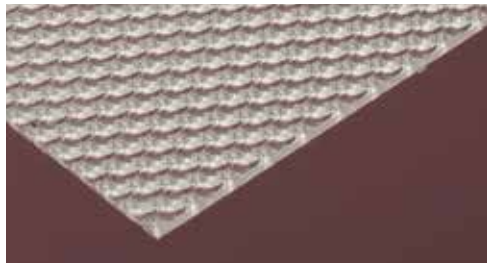
PRISMATIC
Clear or White
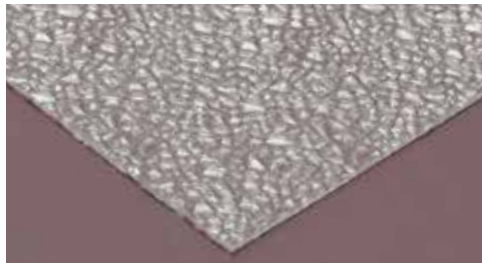
CRACKED ICE
Clear or White

EGG CRATE LOUVER
White, Black

See page S-35 for additional Luminous Ceiling Tiles

Acrylic

Part #	Pattern	Color	Material	Panel Thickness	Sheets Per Case
S14-CIAW	Cracked Ice	White	Acrylic	.060"	20

Crystal Clear Acrylic Prismatic

UV STABILIZED - THE ULTIMATE LIGHT DIFFUSER!

Part #	Pattern	Color	Material	Panel Thickness	Sheets Per Case
S14-A1CL	Prismatic	Clear	Acrylic	.100"	20
S14-A2CL	Prismatic	Clear	Acrylic	.110"	30
S14-A4CL	Prismatic	Clear	Acrylic	.156"	10

WILL NOT SAG!

Frosted Acrylic *(LED Only)*

Part #	Pattern	Color	Material	Panel Thickness	Light Transmission	Sheets Per Case
S15-PFA	Prismatic	Frosted	Acrylic	.125"	93%	20
S15-FSWFA	Flat	Soft White Frosted	Acrylic	.080"	83%	25

Egg Crate Louver

Nominal 2' x 4'
Actual size is 23.562" x 47.562"

Part #	Pattern	Color	Material	Panel Thickness	Sheets Per Case
L2-BK	Egg Crate Louver 5/8" x 5/8" x 3/8"	Black	Styrene	3/8"	15*
L2-WH	Egg Crate Louver 5/8" x 5/8" x 3/8"	White	Styrene	3/8"	15*

## Fluorescent Light Lenses

Ordering Options
- *To ensure accuracy, fax over sketches from existing lenses*
- *Small samples available of products on this page*

- Most popular replacement wrap around lenses for fluorescent fixtures
- Acrylic lenses will not yellow with age
- Many other profiles available, please inquire
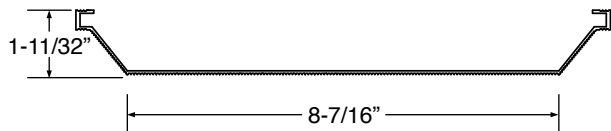- Other colors available, please inquire
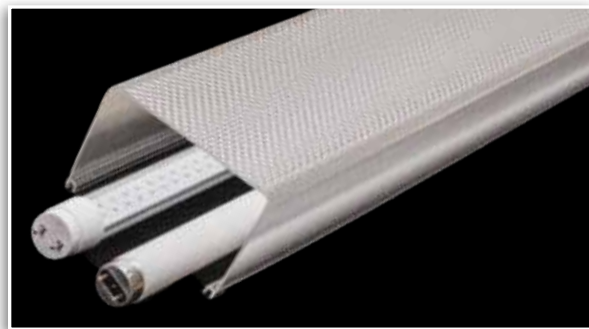
FLL-711-4

Material: Acrylic • **Color:** White Smooth

2-13/16"   2-1/2"
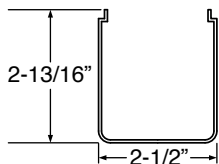
Part #	Length	Carton Qty.
FLL-711-4	48-1/16"	32

FLL-590-4

Material: Acrylic DR • **Color:** Clear

1-11/32"   8-7/16"

Part #	Length	Carton Qty.
FLL-590-4	47-7/8"	20

FLL-811-4

Material: Acrylic • **Color:** Clear Embossed

1-1/2"   8-7/8"
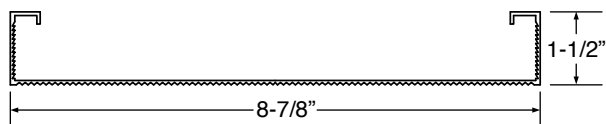
Part #	Length	Carton Qty.
FLL-811-4	47-27/32"	16

FLL-592-4

Material: Acrylic • **Color:** Clear

1-3/4"   15-5/8"
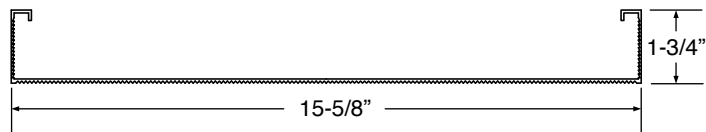
Part #	Length	Carton Qty.
FLL-592-4	47-7/8"	12

FLL-710-4

Material: Acrylic • **Color:** Clear Prism

2-27/32"   2-21/32"   4-11/32"
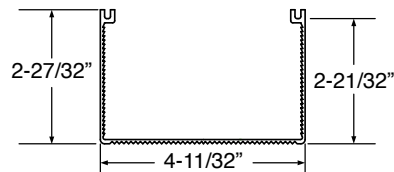
Part #	Length	Carton Qty.
FLL-710-4	47-7/8"	16

FLL-888-4

Material: Acrylic • **Color:** Clear w/ Endcap

8-1/2"   2-5/8"
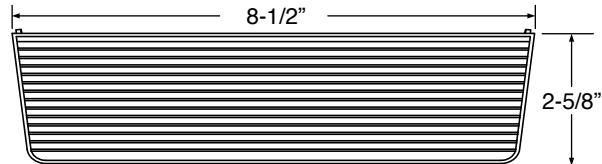
Part #	Length	Carton Qty.
FLL-888-4	48-1/16"	16

FLL-591-4

Material: Acrylic • **Color:** Clear

1-3/4"   11"
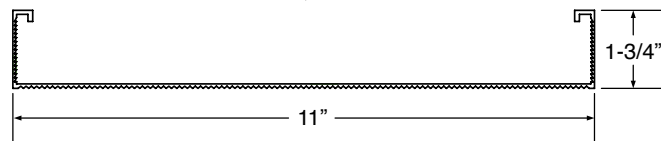
Part #	Length	Carton Qty.
FLL-591-4	47-7/8"	12

Horizon LED Ceiling Panels: *Edge To Edge Uniform Lighting*

Material: White Powder Coated Aluminum Frame with PMMA LGP & PS Diffuser

- The PMMA provides a 5-8 year life span without turning yellow. The PS diffuser offers a 90% light transmission.
- Save money on energy costs, due to low wattage consumption
- Save money on maintenance costs, as average rated life is 50,000 hours
- Easy to install- drop in, suspended install options or surface mount with included clips
- Instant on, no delay, no flickering of light or buzzing noise, as with fluorescent lamps, 90% power factor
- Ideal for commercial applications because no RF interference, no UV or IR radiation & mercury free!
- Includes dimmable power supply, 0-10V dimming
- 5 Year Manufacturer Warranty

Less Than 1/2" Thick (10.6mm)
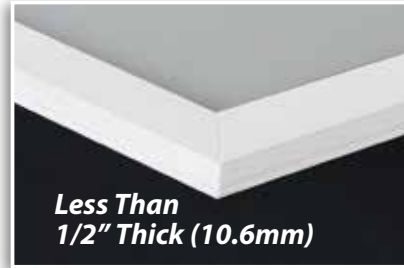
DISCONTINUED
PLEASE CALL ONE OF OUR SALES ASSOCIATES FOR OTHER OPTIONS

Standard 2' x 4' Ceiling Panel
5750 *Lumens Per Fixture:* 115 *Lumens Per Watt*)

Fits 2' x 4'
Drop In Ceiling Grid
Actual Size:
23-3/4" x 47-3/4"
(Nominal: 603mm x 1213mm)
Dimmable

UL Power Supply Included

- Color Temp: PW- 4000K
- Total Wattage: 50W
- Weight: Under 18 lbs.

LED-PAN-2X4

Lighting Specifications

Color Temperature	PW: 4000K
Beam Spread	120°
Lumens	5750 *115 Lumens Per Watt*
Color Rendering Index	PW: >80
Rated Average Life	50,000 hrs.
Power Factor	≥ .90
THD	< 15%
Input Voltage	AC 100-277V

PACKED 2 PER CARTON - BROKEN BOX FEE (#BB10)

New'

LED Power Supplies

Our high quality power supplies have many safety features. Reference individual series, the safety features are defined below.

CLASS 2: Refers to the NEC- National Electric Code. To avoid potential cable overheating due to excessive currents and electric shock, the output of the power supply is limited to 60VDC or 100VA. (100W when used with an AC-DC power supply)

CLASS II: Referring to a power supply with either a double or reinforced insulation barrier between the input and the output. Class II power supplies will have a double square symbol.

LEVEL VI: Increase efficiency and reduced "no-load" power consumption.

SHORT CIRCUIT PROTECTION: A protection circuit that limits current and acts as an electronic circuit breaker, unit returns to full functionality when the short is removed.

OVERLOAD CIRCUIT PROTECTION: A protection circuit that prevents the output current from exceeding maximum ratings.

ENOLED Magnetron Ultra Compact LED Power Supplies

• **ULTRA Compact Case**
• **Certification: UL Listed - Class 2**
• **Dimmable with any Triac / ELV Dimmer Switch**
• **Dim Down to 1%**
• **Overload and Short Circuits Auto-Reset Protection**
• **Up To 96W**
• **Damp And Dry Location**
• **Warranty: 6 Year**
• **Operating Temperature: -40°F -104°F (-40°C- 40°C)**
• **Constant Voltage**
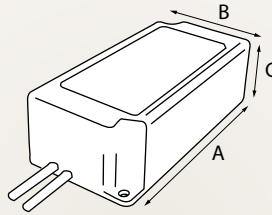
Part #	Output Volts	Max Watts	Max Amps	Input Cord	Output Cord	Wire Gauge	Class	Dimensions
				12V				
ENO-12V-3.3A-CDHW	12V	40W	3.3A	8"	8"	18AWG	Class 2	A: 3.31" x B: 1.57" x C: 0.98"
ENO-12V-5A-CDHW	12V	60W	5A	8"	8"	18AWG	Class 2	A: 3.31" x B: 1.57" x C: 0.98"
				24V				
ENO-24V-2.5A-CDHW	24V	60W	2.5A	8"	8"	18AWG	Class 2	A: 3.31" x B: 1.57" x C: 0.98"
ENO-24V-4A-CDHW	24V	96W	4A	8"	8"	18AWG	Class 2	A: 3.31" x B: 1.57" x C: 0.98"

MEANWELL Non-Dimmable Hardwire Power Supplies

• **Certification: UL**
• **IP Rating: IP67 For Indoor And Outdoor Applications**
• **Flicker-Free Performance**
• **Up To 95% Efficiency**
• **Overload, Over Temperature Automatic Reset**
• **Operating Temperature: -40°F -104°F (-40°C- 40°C)**
• **Constant Voltage**
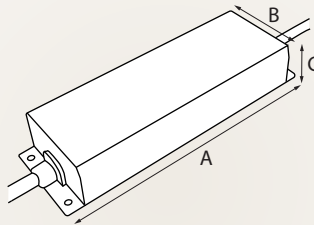
Part #	Output Volts	Max Watts	Max Amps	Input Cord	Output Cord	Wire Gauge	Dimensions
				24V			
ENO-24V-4A-HW	24V	96W	4A	12"	12"	18AWG	A: 5.51" x B: 2.48" x C: 1.25"
ENO-24V-6.25A-HW	24V	150W	6.25A	12"	12"	18AWG	A: 7.08" x B: 2.48" x C: 1.39"
ENO-24V-8.3A-HW	24V	200W	8.3A	12"	12"	18AWG	A: 7.83" x B: 2.48" x C: 1.39"

Some LED fixtures may require a power link cable to connect to the power supply. Please refer to product listing.

New! 48V Super Bright Light Output

COB48 Long Run Ribbon Flex Series

Available Lengths: 82'
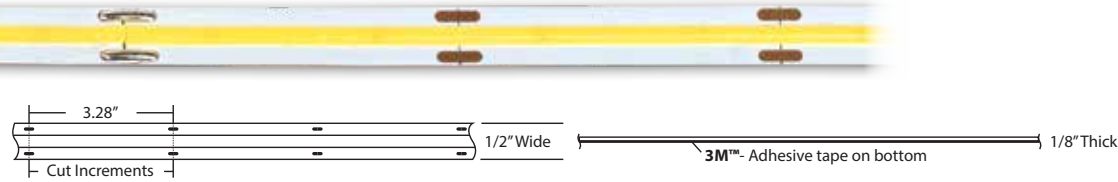*Material: Flexible Silicone Cover with Adhesive*

- Commercial Grade
- Field Trimmable
- Consumes Only a Few Watts Per Field Cuttable Strip
- 30,000 Hour Average Bulb Life
- Dimmable
- No UV Radiation- Safe For Artwork
- Limited 3 Year Warranty

IP20 Cut Per LED Ribbon
Provides Low Protection of Dust & Water

CW   PW   WW

7" BARE WIRE ENDS CONNECT DIRECTLY TO CONTROLLER

COB48-I504-25M-* *(Up To 279 Lumens Per Foot)*

3.28"
Cut Increments
1/2" Wide
3M™- Adhesive tape on bottom
1/8" Thick

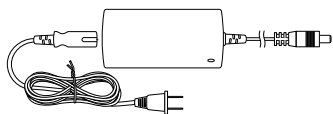### Lighting Specifications

Color Temperature	CW: 3000K PW: 4000K WW: 6500K
Beam Spread	140º
Lumens	CW: 279 per ft. PW: 263 per ft. WW: 239 per ft.
Color Rendering Index	90
Rated Average Life	30,000 hrs.
Constant	Current
Chip Size	COB

Part #	Color Temp	Length	# Of LED Chips/per ft.	Total Wattage	Max # Can Connect
*10mm IP20 (Cool White *CW, Warm White *WW, Pure White *PW)*					
COB48-I504-25M-*	*CW, *PW, *WW	82'	153	216	82'

Accessories for COB24 Ribbon Flex Series

Required
Power Supply
See Page R-154

+

Required
Ribbon Flex
See Page R-154
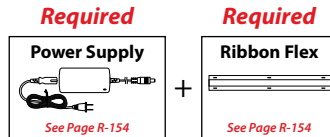
Required

Power Supplies

Part #	Output Volts	Max Watts	Max Amps	Input Cord	Output Cord	Wire Gauge	Dimensions
LED-48V-6.25A-HW	48V	300W	6.25A	7.87"	7.87"	18AWG/14AWG	A: 9.92" x B: 3.07" x C: 1.85"

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

12V | Super Bright Light Output | UL | New'

Flex-S Ribbon

Flexible design allows you to create visible bends & 90° turns
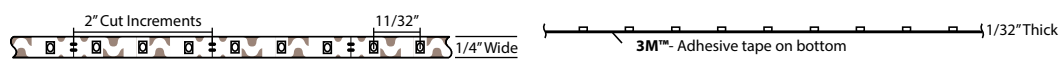
Nominal Lengths: 16.4'
Material: Flexible White PCB with Adhesive

- Flex-S LED Strip Lights Are Ideal For:
  Halo Effect Signage, Back-lit 3D Letters,
  Sign Letter Lighting, Archways,
  Retail Display Lighting,
  Architectural Lighting
  & Accent Lighting.
- Field Trimmable
- Flexible
- Twist & Turn On Sharp Corners
- Bend Sideways
- 3M Adhesive Back
- Limited 3 Year Warranty

7" Cable With DC5.5

7" Cable With DC5.5

IP20 Flex-S Ribbon
Provides Low Protection of Dust & Water

FLX126-I2860-16 *(Up To 363 Lumens Per Foot)*

2" Cut Increments | 11/32" | 1/4" Wide | 1/32" Thick

3M™- Adhesive tape on bottom

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
*Cool White *CW & Pure White *PW*				
FLX126-I2860-16*	16.4'	300	36	16.4'

Lighting Specifications

Color Temperature	CW: 6000K PW: 4000K
Beam Spread	120°
Lumens	363 per ft.
Color Rendering Index	80
Rated Average Life	35,000 hrs.
Constant	Voltage
Chip Size	2835

Required
Power Supply
See Page R-155

+

Optional (Pick One Option)
Dimmer | Switch
or
See Page R-155 | *See Page R-145*

+

Required
Ribbon Flex
See Page R-155

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-12V-3A	Wall Mount	3A	12V	36W	3.41"L x 2.31"W x 1.26"H
LED-12V-6A	Desktop	6A	12V	72W	4.68"L x 2.34"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

## Optional

Dimmers
A power linking cable required.

Part #	Description	Finish	Range of Dimming	Size
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
Other Options: Rotary | Touch Dimmer | Radio Frequency

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

For Pricing & To See A Full Line Of Our Mounting Channels, See Pages R-53~63

**24V**

Super Bright Light Output
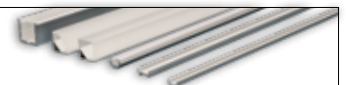
DP COBX24

Available Lengths: 12", 24", 36", & Nominal 46"
Material: Aluminum Housing with Frosted Lens

• COB LEDs create a seamless line of light - no visible hotspots
• Used For: Cove Lighting, Cabinet Lighting & Shelf Lighting
• Uses smaller DC 3.5 connector
• Low profile can be easily hidden
• Excellent heat sink
• Mounting clips & screw included
• Joinable by middle and right angle connector
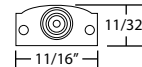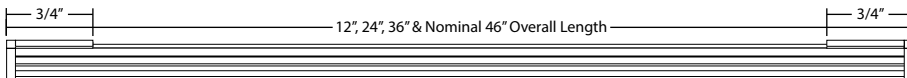• Easy Installation
• 5 Year Warranty

12" Shown

LENS CHARACTERISTICS				
Color	**Transmission**	**Dispersion**	**Surface Texture**	**LED Diodes**
Frosted	High	High	Smooth	Visible

Joinable Right Angle Connector

Joinable Middle Connector
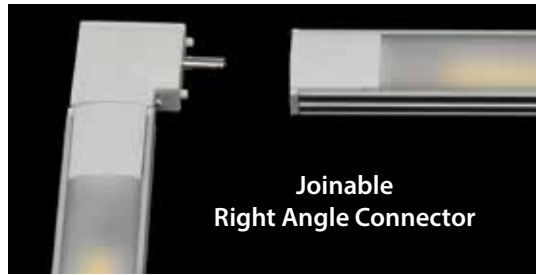
IP20 DP COBX
Provides Low Protection of Dust & Water

DP COBX *(Up To 753 Lumens Per Foot)*

3/4"   12", 24", 36" & Nominal 46" Overall Length   3/4"

11/32"

11/16"

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
*Pure White *PW, Warm White *WW*				
DPCOBX24-12-*	12"	158	3	16'
DPCOBX24-24-*	24"	384	7	16'
DPCOBX24-36-*	36"	576	11	16'
DPCOBX24-48-*	Nominal 46"	876	14	16'

Lighting Specifications

Color Temperature	PW: 4000K WW: 3000K
Beam Spread	180°
Lumens Per Fixture	12"- PW: 343, WW: 311 24"- PW: 686, WW: 622 36"- PW: 1029, WW: 933 46"- PW: 1372, WW: 1244
Color Rendering Index	CRI90
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	COB

UL | Super Bright Light Output | **24V** | New!

Accessories for DP COBX24

Required		*Optional* (Pick One Option)		*Optional*		*Optional* (Any Combination)		*Required*
Power Supply *&* **Power Linking Cable**	+	**Dimmer** *or* **Switch**	+	**Multi Output Cable**	+	**Connector** *&/or* **Connecting Cable**	+	**DP COBX**
See Page R-157 *See Page R-157*		*See Page R-157* *See Page R-157*		*See Page R-157*		*See Page R-157* *See Page R-157*		*See Page R-156*
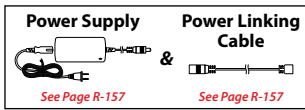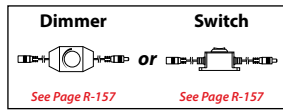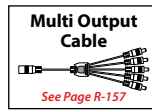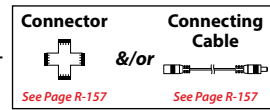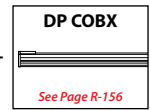
Required

Power Supplies *(IP20)*
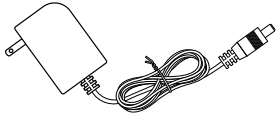
Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Wall Mount	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-6A	Desktop	6A	24V	144W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery
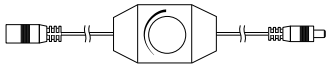
Power Linking Cable
Required for power supplies, dimmers & multi output cables.

DC 3.5

Hardwire

Part #	Description	Overall Length	Finish
DC 3.5 Connection			
DPCONX12-PWL	Power Link Cable DC 5.5 female to DC 3.5 male	6"	Black
Hardwire			
DPCONX12-PWL-MCC	Power Link Cable with DC 3.5	39"	Black

Optional

Dimmers

Part #	Description	Finish	Range of Dimming	Dimensions
LED-INLINE-DIM	Inline Rotary	Black	0-100%	2-5/8"L x 1-3/8"W x 1"H

For Product Details & More Dimmer Options, See Pages R-138~140 & R-147~149
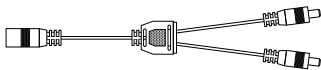*Other Options: Rotary | Touch Dimmer | Radio Frequency*

Switches

Part #	Description	Finish	Mounting	Dimensions
LED-SWITCH-3A/6A	On/Off	Black	Surface	2-1/4"L x 1"W x 3/4"H

For Product Details & More Switch Options, See Page R-145

Multi Output Cables

Part #	Description	Finish	Arms Size	# of Arms	Overall Length	Max # of Power Linking Cables
LED-2WAY-BK	2-Way Sweep	Black	3"	2	7"	2

For More Extension Cable Options, See Page R-143

Connecting Cables

Part #	Function	Finish	Length
LED-35MM-39CC-BK	Is to allow the designer to get around unlit areas without multiple power supplies	Black	39"

Connectors

Straight   **Angle**

Part #	Function	Dimensions
DPCONX12-SCONN	Straight	1" L
DPCONX12-LCONN	Angle	7/8" L x 7/8" W

24V | Super Bright Light Output | c(UL)us Listed E480045 | CE | RoHS compliant | LM-80 | New'

Cut Anywhere COB24 LED Strip Series

Available Length: 16.4'
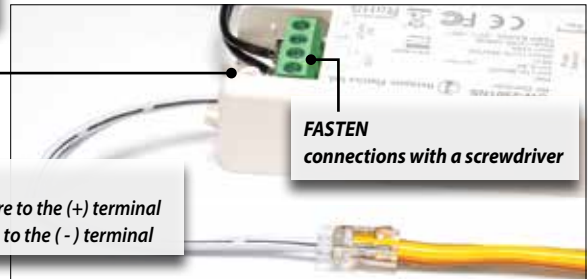#### Material: Flexible Silicone Cover with Adhesive

• Commercial Grade
• Cut anywhere on this strip without affecting the rest of the strip.
• Consumes Only a Few Watts Per Field Cuttable Strip
• 30,000 Hour Average Bulb Life
• Dimmable
• No UV Radiation- Safe For Artwork
• Limited 2 Year Warranty

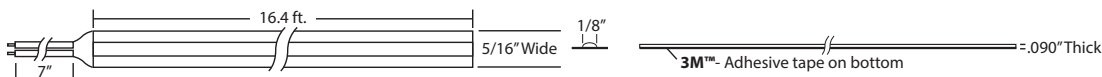**IP20 Cut Per LED Ribbon**
Provides Low Protection of Dust & Water

7" BARE WIRE ENDS CONNECT DIRECTLY TO CONTROLLER

CUT ANYWHERE

100% USABLE

NO WASTED PIECES

Insert COB strip into connecting cable and use pliers to firmly press down on the metal contacts to secure the strip and light.

INSERT the grey & white wire to the (+) terminal and the white wire to the (-) terminal

FASTEN connections with a screwdriver

Use our 6" 100% usable connecting cable to link your lights together. For a longer connection, simply splice in additional wire.

Cut Anywhere COB design with a straight line of copper on the surface, the ultimate solution for small cuts.

Joint-free PCB: No solder joints

FCCOB24-I528-16* *(Up To 299 Lumens Per Foot)*

16.4 ft.

1/8"

5/16" Wide

7"

3M™- Adhesive tape on bottom

.090" Thick

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
IP20 (Cool White *CW, Warm White *WW, Pure White *PW)				
FCCOB24-I528-16*	16.4'	2640	65	16.4'

Lighting Specifications

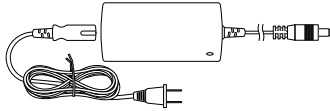|	
Color Temperature	CW: 6000K PW: 4000K WW: 3000K
Beam Spread	180°
Lumens	CW: 299 per ft. PW: 283 per ft. WW: 256 per ft.
Color Rendering Index	90
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	COB

New' · **LM-80** · **RoHS** compliant · CE · c (UL) us Listed E480045 · **Super Bright Light Output** · **24V**

Accessories for Cut Anywhere COB24 LED Strip Series

Required	*Optional* (Any Combination)		*Required*
Power Supply	**Connector** **&/or**	**Connecting Cable**	**Ribbon Flex**
See Page R-159	*See Page R-159*	*See Page R-159*	*See Page R-158*

Required

Power Supplies

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-4A	Desktop	4A	24V	96W	6.77"L x 2.83"W x 1.57"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: *Plug In* | *Hardwire* | *Hardwire Dimmable* | *Rechargeable Battery*
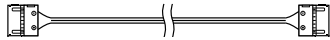
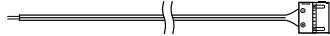## Optional

Connectors
For Use With Bare Wire Connections

Push Terminal

Male *Female*

Part #	Descriptions	Function	Length
LED-5555-PM	Push Terminal Connector	DC 5.5 male to push terminal connector	1.5"
LED-5555-PF	Push Terminal Connector	DC 5.5 female to push terminal connector	1"

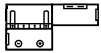### Connecting Cables

100% Usable

Hardwire to 100% Usable

Part #	Works With	Description	Color	Width	Length	# of Pins
		Pin Connection				
COB8-100U-C1	COB Ribbon	Lights areas without multiple power supplies	Black	8mm	6"	2
		For Cut Pieces of Ribbon				
COB8-100U-ST	COB Ribbon	100% Hardwire	Multi	8mm	6"	2

For More Extension Cable Options, See Pages R-141~142

End To End For 100% Usable Connections

Part #	Works With	Width	Description	# of Pins
COB8-100U-EE	COB Ribbon	8mm	Usable connection directly connects 2 cut pieces	2

Mounting Clips

For IP65

Part #	Works With	Description	Material	Size
LED-8MM-MC-IP65	COB Ribbon	For IP65 Ribbon 1 mounting clip & screw	Plastic	5/16"

For More Mounting Clip Options, See Page R-145

Universal LED Ribbon Mounting Channels
Aluminum channels that work with our ribbons

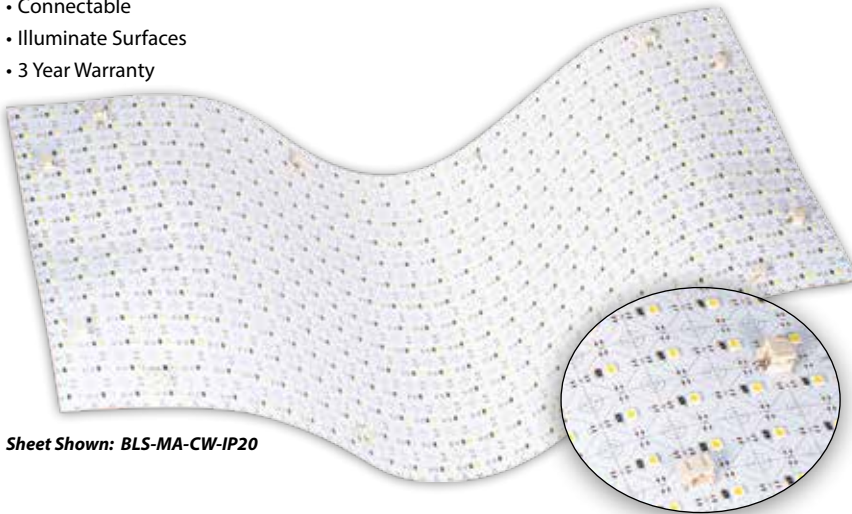**To See A Full Line Of Our Mounting Channels, See Pages R-53~63**

24V | Super Bright Light Output | c **UL** us Listed | New'
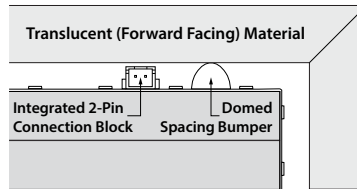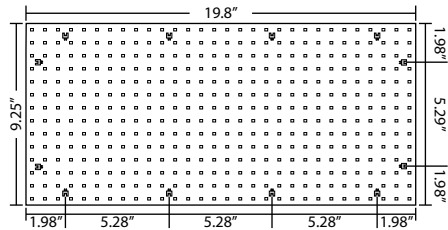
MAGIC Flexible LED Sheet

Panel Size: 9.25" x 19.8"
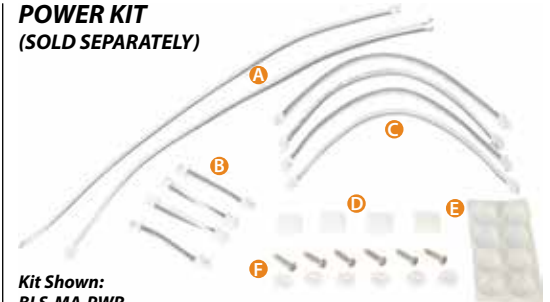### *Material: Polyimide with a Conformable Coating Layer (Silicon Based)*

- Flexible
- Cuttable
- Connectable
- Illuminate Surfaces
- 3 Year Warranty

Sheet Shown: BLS-MA-CW-IP20

POWER KIT
(SOLD SEPARATELY)

A B C D E F

Kit Shown:
BLS-MA-PWR

Power Kit Includes:
A: (2)- 10" Power Cable Bare Wires
B: (4)- 1.75" Sheet-To-Sheet Connection Wires
C: (4)- 6" Sheet-To-Sheet Connection Wires
D: (4)- Cable Management Clips
E: (8)- Protective Bumpers
F: (6)- Screws & Plastic Gaskets

Power Kit Part #
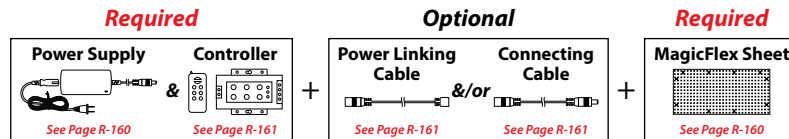**BLS-MA-PWR**
BLS-MA-PWR-CCT
BLS-MA-PWR-RGBW

Translucent (Forward Facing) Material

Integrated 2-Pin Connection Block | **Domed Spacing Bumper**

19.8"   1.98"   5.29"   1.98"
9.25"
1.98" 5.28" 5.28" 5.28" 1.98"

IP20 Magic Flexible
Provides Low Protection of Dust & Water

Lighting Specifications

Color Temperature	CW: 6500K CCT: 2700-6500K RGBW: RGB with 4000K
Beam Spread	120°
Lumens per sheet	CW: 1200 CCT: 1200 RGBW: 500-759
Color Rendering Index	CRI90
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	2835

Part #	Dimensions	# Of LED Chips	Total Wattage	Max # Can Connect
BLS-MA-CW-IP20	9.25" x 19.8" (1.27 sq. ft.)	420	11	3PC in series
BLS-MA-CCT-IP20	9.25" x 19.8" (1.27 sq. ft.)	840	11	3PC in series
BLS-MA-RGBW-IP20	9.25" x 19.8" (1.27 sq. ft.)	800	11	3PC in series

Accessories for MAGIC Flexible LED Sheet

Required

Power Supply | **Controller**
&
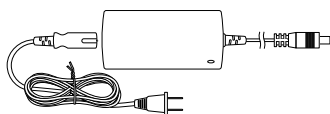
+

Optional

Power Linking Cable | **Connecting Cable**
&/or

+

Required

MagicFlex Sheet

Required

Power Supplies *(IP20)*

Part #	Type	Amps	Volts	Watts	Dimensions
LED-24V-3A	Desktop	3A	24V	72W	4.68"L x 2.34"W x 1.48"H
LED-24V-4A	Desktop	4A	24V	96W	6.77"L x 2.83"W x 1.57"H

*For Product Details & More Power Options, *
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Accessories for MAGIC Flexible LED Sheet

Required

Option 1: Standard RF Controller With Wall Dimmer

Standard Receiver
Included With Every Dimmer
- 3.5" L x 1.375" W x .75" H
- 12V/8A/96W or 24V/8A/192W
- Input Cord: 18" DC 5.5 Female
- Output Cord: 18" DC 5.5 Male
- Standard Dimmer: 10 - 100%

Part #	Description
Standard RF Dimmer Kit	
RF-CTRL-WT	Wall Style Dimmer With Receiver
Individual Parts For Standard	
RF-RECVR	Receiver
RF-WALL	Wall Style Dimmer

Wall Dimmer
No Wiring Needed
Fits Over A Standard Receptacle Box
3.5" L x 1.37" W x .75" H
Mounting: Wall
Battery Operated
Finish: White Case w/Silver Button

Option 2: RF CCT Controller With Wall Dimmer

Receiver
Included With Every Dimmer
7" L x 1.75" W x .75" H
Female DC 5.5 Input Cord: 18"

- Each dimmer is paired to the included receiver. However, multiple dimmers can be paired to one receiver. *(Instructions included in package)*
- Range of Dimming: 10%-100%
- Push Button On/Off Function
- All dimmers work up to 50' away from receiver
- All dimmer controllers run on battery
- Limited 3 Year Warranty
- Radio frequency goes through walls

Easily installs into standard receptacle box. Attaches with 2 screws.

Wall Dimmer
No Wiring Needed
Fits Over A Standard Receptacle Box
3.5" L x 1.37" W x .75" H
Mounting: Wall
Battery Operated
Finish: White Case w/Silver Button

Part #	Description
CCT RF Dimmer Kit	
RF-CCT-CTRL-WT	Wall Style With Receiver
Individual Parts For CCT	
RF-CCT-RECVR	Receiver
RF-CCT-WALL	Wall Style Dimmer

Option 3: RF LED Controller and Remote Set for RGBW 4-in-1 Ribbon

LED-RGBW-CR2

Features:
- 6A / 24V / 144W
- Input Wire: Female DC 5.5 / Port
- Output Wire: Screw Terminal
- Controller Size: 3.82"L x 1.46"W x 1.10"H
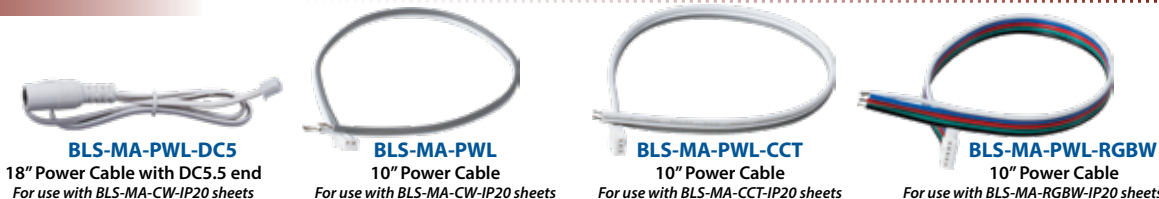- Color: White

Controller Functions:
- Mounting: Screw
- Remote Control Function: RF
- Gradual Color Change
- 7 Color Jump
- Dimming
- Static Colors

For More On Radio Frequency Dimmers, See Pages R-147-149

Optional

Power Linking Cable
Required to connect from power supplies, dimmers & multi output cables to light panel

BLS-MA-PWL-DC5
18" Power Cable with DC5.5 end
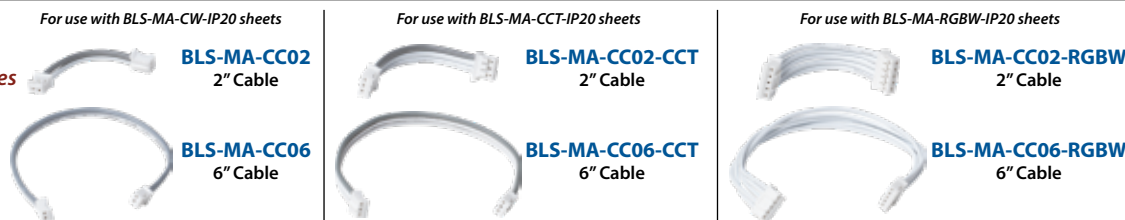*For use with BLS-MA-CW-IP20 sheets*

BLS-MA-PWL
10" Power Cable
For use with BLS-MA-CW-IP20 sheets

BLS-MA-PWL-CCT
10" Power Cable
For use with BLS-MA-CCT-IP20 sheets

BLS-MA-PWL-RGBW
10" Power Cable
For use with BLS-MA-RGBW-IP20 sheets

Connecting Cables
Able to get around unlit areas without multiple power supplies

For use with BLS-MA-CW-IP20 sheets

BLS-MA-CC02
2" Cable

BLS-MA-CC06
6" Cable

For use with BLS-MA-CCT-IP20 sheets

BLS-MA-CC02-CCT
2" Cable

BLS-MA-CC06-CCT
6" Cable

For use with BLS-MA-RGBW-IP20 sheets

BLS-MA-CC02-RGBW
2" Cable

BLS-MA-CC06-RGBW
6" Cable

BLS-MA-BUMP
Clear Protective Bumpers - 8 pcs.

24V | Super Bright Light Output | (UL) | New!

Tresco Snip LED Lighting Panel

Panel Size: 9" x 24"
Material: Polymide with White Finish

Flexible

Dimmable

Illuminate Surfaces
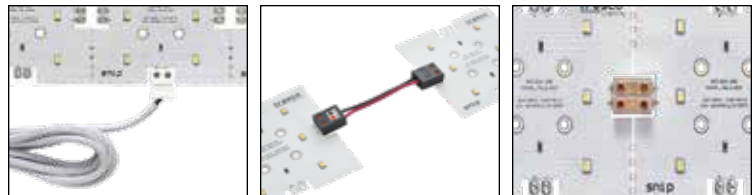
Thickness: 1.5mm (0.06")

IP20 Tresco Snip
Provides Low Protection of Dust & Water

Cuttable

"Snip" in 3" Squares

Connectable

Peel & Stick Adhesive Strips on back of panel

Lighting Specifications

Color Temperature	CW: 6500K
Beam Spread	120°
Lumens per sheet	1148
Color Rendering Index	CRI90
Rated Average Life	50,000 hrs.
Constant	Voltage
Chip Size	2835

5 Year Warranty

3"
3"
9" (229 mm)
24" (610 mm)
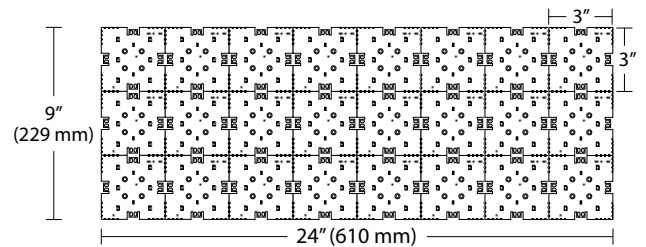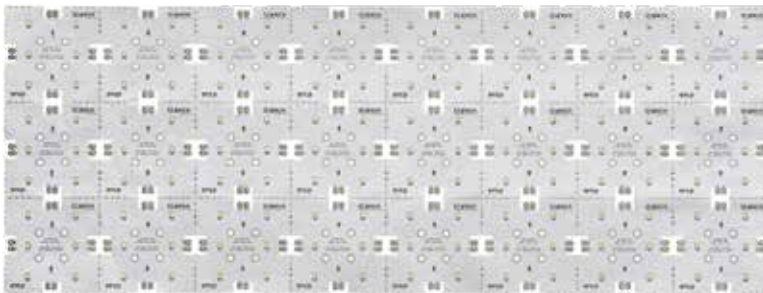
Part #	Color Temp	Dimensions	# Of LED Chips	Total Wattage	Max # Can Connect
SNIP-TR-CW	Cool White	9" x 24"	144	12W per sheet	7

Accessories for Tresco Snip LED Lighting Panel

Required		*Required*		*Optional*		*Required*
Power Supply	+	**Power Linking Cable**	+	**Connecting Cable**	+	**Snip**
See Page R-163		See Page R-163		See Page R-163		See Page R-162
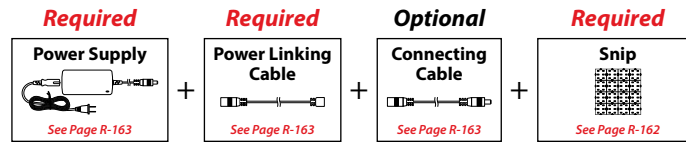
Required

Power Supplies *(IP20)*
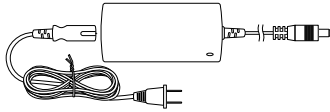
Part #	Type	Finish	Amps	Volts	Watts	Dimensions
LED-24V-4A	Desktop	Black	4A	24V	96W	6.77"L x 2.83"W x 1.48"H

For Product Details & More Power Options, See Pages R-133~137
Other Options: Plug In | Hardwire | Hardwire Dimmable | Rechargeable Battery

Power Linking Cable
Required for power supplies, dimmers & multi output cables.

Shown: SNIP-TR-PWR79

SNIP-TR-TEE79

Part #	Description	Overall Length	Finish
SNIP-TR-PWR12	Connects from power supplies, dimmers &multi output cables to light panel	12"	White
SNIP-TR-PWR79		79"	White
SNIP-TR-TEE79		79"	White

Optional

Connecting Cables

Shown in 2" length

Part #	Description	Length	Finish
SNIP-TR-CC02	Allows the designer to get around unlit areas without multiple power supplies	2"	White
SNIP-TR-CC06		6"	White
SNIP-TR-CC10		10"	White
SNIP-TR-CC24		24"	White
SNIP-TR-CC48		48"	White

Direct Connector

Part #	Description	Finish
SNIP-TR-EE	Female to Female connect end-to-end	Clear

120V

High Light Output

ETL®

120V PLUG
NO POWER SUPPLY NEEDED!

New!

Free Cut MAXX LED Light (Indoor/Outdoor): *No Power Supply Needed!*

Can Run Up To 164 Ft. On One Power Cord
Available Lengths: 33', 82' & 164'
Material: Flexible PVC

• Ideal for applications in which longer lengths are desired
• Includes a factory sealed 2 ft. power cord & end cap
• Consistent binning/color
• Free Cut. Cut anywhere on this strip without affecting the rest of the strip.
• Dimmable
• Limited 2 Year Warranty

IP66 *Free Cut MAXX LED Light*
Provides Protection From Dust & Powerful Jetting Water, Not Submersible

CUT ANYWHERE

100% USABLE

NO WASTED PIECES

Our Free Cut MAXX LED Light products are ETL certified and warranted as non-cuttable. If a customers does cut the product, they do so at their own risk.

120V PLUG

NO POWER SUPPLY NEEDED

Cool White

Warm White

FCMXL96-28 *(Up To 304 Lumens Per Foot)*

|9/16"|

. . |9/32"

Chip Spacing: 5/8"

Lighting Specifications

Color Temperature	CW: 6000K WW: 3000K
Beam Spread	120°
Lumens	304 per ft.
Color Rendering Index	80
Rated Average Life	30,000 hrs.
Constant	Voltage
Chip Size	2835

Part #	Length	# Of LED Chips	Total Wattage	Max # Can Connect
Cool White *CW & Warm White *WW				
FCMXL96-28-33*	33'	3168	100	164'
FCMXL96-28-82*	82'	7872	250	164'
FCMXL96-28-164*	164'	15,744	500	164'

(Warning: If using 120V Ribbon Flex outdoors, be sure to use waterproof PVC or silicon to secure all connections and power cords)

New'

120V PLUG NO POWER SUPPLY NEEDED!

ETL

High Light Output

120V

Accessories for Free Cut MAXX LED Light

Optional		*Required*				*Optional* (Any Combination)						*Required*		*Optional*
Dimmer	+	**Power Cord**	+	**Connecting Cable**	&/or	**Connector**	&/or	**Splicer**	&/or	**Mounting Clips**		**Free Cut MAXX LED**	+	**End Cap**
See Page R-165		*See Page R-165*		*See Page R-165*		*See Page R-165*		*See Page R-165*		*See Page R-165*		*See Page R-164*		*See Page R-165*
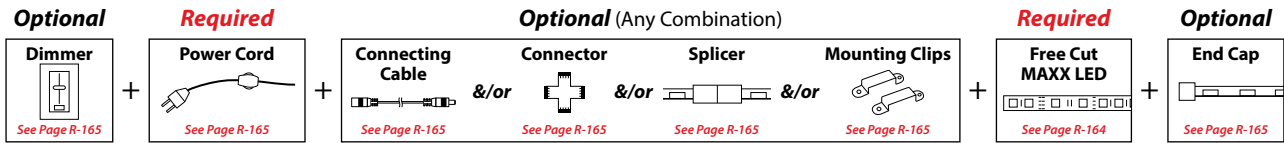
Required

Power Cord *(Additional Quantities Optional)*

FCMXL96-PC   **Length: 5'**

Optional

Dimmer Switches
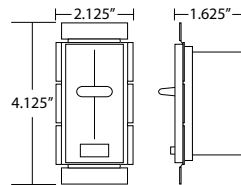
LUTRON   UL

DIVA
Rocker switch with slider dimmer

DVLV-600P-WH (*White*)

- **120V** • **Max. Watts: 450W**
- **Input & Output Cords: 5.875"**
- **Range of Dimming: 0-100%**
- **Mounting: Wall**

2.125"   1.625"

4.125"

For More Options, Product Details & Wall Plates, See Pages R-138~140

Connecting Cables

Function: Allows the designer to get around unlit areas without multiple power supplies

Part #	Finish	Length
FCMXL96-CC05M	White	19"
FCMXL96-CC1M	White	39"

Connectors

2-Way L

FCMXL96-2L

3-Way T

FCMXL96-3T

End Cap
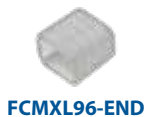
FCMXL96-END

Splicer

FCMXL96-SPL

Mounting Clips

MXL28-MNT

Universal LED Ribbon Mounting Channels

Aluminum channels that work with our ribbons
To See A Full Line Of Our Mounting Channels, See Pages R-53~63