

LINEAR LIGHTING

2021
CATALOG



About Ecopowertech

We define ourselves as experts in lighting, more specifically in artificial lighting products and solutions by following the best practices in the industry. Our goal is to offer our customers the latest in energy saving technology products as well as excellent service. Our commitment is to guarantee appropriate professional solutions dictated by the trends in the industry.

Therefore, we are continuously educating ourselves on the latest trends in lighting technology and practices to excel our customers needs.

Along these lines, we can say Ecopowertech is an updated wholesale lighting store that offers our customers:

- The newest products and cutting-edge technologies in lighting.
- Wholesale prices and quick responses.
- Stocking products.
- US certifications on products.
- Specialized technical support.
- Versatile and professional team.
- Shipping options available.
- USA Warranty.

Give us the opportunity to offer you our products and our team to be your expert support in lighting in order to successfully guarantee all your lighting projects.



Warranty coverage given by the Vendor.



UL Listed component mark applies to a product that has been tested by UL to nationally recognized Safety Standards and has been found to be free from reasonably foreseeable risk of fire, electric shock and related hazards in a Division 2 / Zone 2 environment.



ETL Listed Mark is a proof of product compliance to North American safety standards.



Lighting Intensity could be increased or decreased using a dimming method. Check Page 36 for detailed dimming information.



UL Recognized Component Mark means that the product has been tested as a component. These components will later be used in complete end-products or systems (other part must comply with electrical code as well).



The FCC Declaration of Conformity is a certification mark employed on electronic products manufactured or sold in the United States which certifies that the electromagnetic interference from the device is under limits approved by the Federal Communications Commission.



CE marking is a certification mark that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA)

RoHS

RoHS compliance meaning that the use of specific hazardous materials found in electrical and electronic products was restricted in fabrication.



Ingress Protection 20. Protected from touch by fingers and objects greater than 12 millimeters. Not protected from liquids.



Ingress Protection 65 rated as "water resistant", however, item is not suitable to be submerged.



Ingress Protection IP67 means the unit can be dropped into a body of water up to a meter deep for half an hour.



Item is suitable for damp locations (i.e. bathrooms, kitchens).



Item is suitable for Wet Locations (i.e. Outside windows, terraces, gazebo, areas not in contact directly with rain).



Suitable for indoor use not including damp areas.

Class 2: The NEC defines a Class 2 circuit as that portion of the wiring system between the load side of a Class 2 power source and the connected equipment. Due to its power limitations, a Class 2 circuit is considered safe from a fire initiation standpoint and provides acceptable protection from electrical shock.

Class II: A Class II power supply will have two layers of insulation (or a single layer of reinforced insulation) between the user and the internal current carrying conductors. Class II power supplies will have a two-wire power cord as opposed to a three-wire power cord with Safety Earth connection



LINEAR LIGHTING CATALOG

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ABOUT LED STRIP LIGHTS

LED strip lights are extremely popular in many facets of lighting design thanks to their compact size, high brightness and low power consumption. They are also extremely versatile being preferred to create specific environments at homes, offices, bars, restaurants and many others who use them in every way you can imagine. We have at your disposal a great variety of strip lights for multiple applications both inside and outside the house; with a lot or tenuous bright, warm or cool white or a full of colors like RGB.

All our strips have the regulatory certifications in USA, also an immediate availability through the web or visiting our store. We do not just sell LED strips; we help you to achieve what you wants and more,

REQUEST YOUR FREE ADVICE NOW



Strip Lights Indoor Series



The LED strips are a flexible lighting solution for your lighting challenges for incredible indirect illumination.



ESP2V2-20 High Power Series

Working Voltage: 12VDC.

LED Chip Type: SMD2835 Single color.

Rated Power: 3.36W/foot || 11W/meter.

Lumens: 341~381 Lumens per foot.

Product Width: 0,4 inch || 10 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 2 inches || 50 mm approximately.

A 12VDC Power Supply required to operate*.

Color Temperature	Product Code
3000K	ESP2V2-20-0630K
4000K	ESP2V2-20-0640K
5000K	ESP2V2-20-0650K
6000K	ESP2V2-20-0660K



Example of application



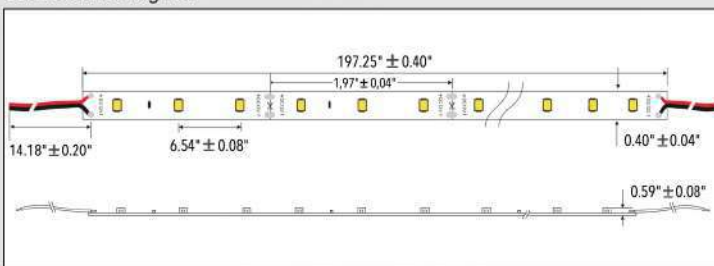
See page 10 for more applications

Accessories



See page 11 for more details

Dimensions Diagram





ESP4V4-20 Super Bright Series

Working Voltage: 24VDC.

LED Chip Type: SMD2016 Single Color.

Rated Power: 5.49W/foot || 18W/meter.

Lumens: 480~494 lumens per foot.

Product Width: 0.4 inch || 10 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 0.8 inch || 20 mm approximately.

A 24VDC Power Supply required to operate*.

Color Temperature	Product Code
3000K	ESP4V4-20-3030K
4000K	ESP4V4-20-3040K
5000K	ESP4V4-20-3050K
6000K	ESP4V4-20-3060K



Example



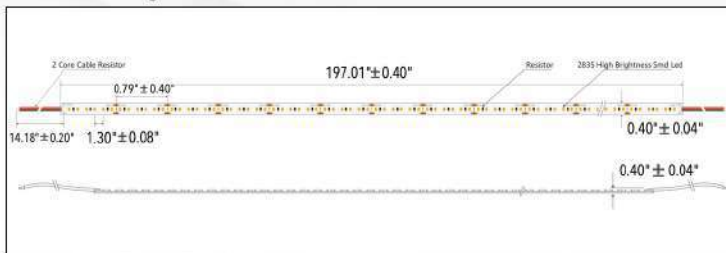
See page 10 for more applications

Accessories



See page 11 for more details

Dimensions Diagram



Size Specs



ESP2V2-S20 Side-Bendable Bright Series

Working Voltage: 12VDC.

LED Chip Type: SMD2835 Single Color.

Rated Power: 3.36W/foot || 11W/meter.

Lumens: 341~381 lumens per foot.

Product Width: 2-5/16 inch || 6mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 2 inches || 50 mm approximately.

A 12VDC Power Supply required to operate*.

Color Temperature	Product Code
3000K	ESP2V2-S20-0630K
6000K	ESP2V2-S20-0660K



Example



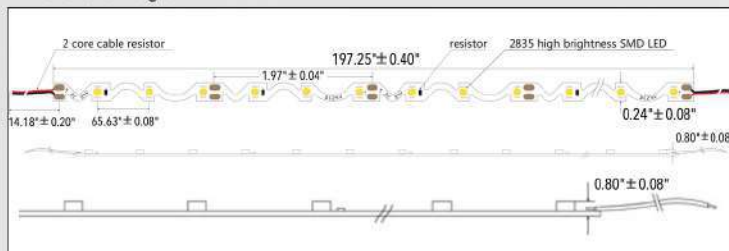
See page 10 for more applications

Accessories



See page 11 for more details

Dimensions Diagram



Size Specs



ESP5V4-20-06CT CCT Changeable Series

Color Temperature	Product Code
3000K~6000K	ESP5V4-20-06CT

Working Voltage: 24VDC.

LED Chip Type: SMD5050 CCT.

Rated Power: 3.36W/foot || 11W/meter.

Product Width: 0.4 inch || 10 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 4 inches || 100 mm approximately.

A 24VDC Power Supply required to operate*.

CCT Controller needed for color changing functions*.



Example



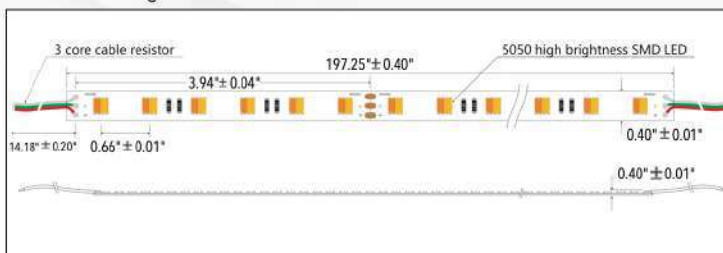
See page 10 for more applications

Accessories

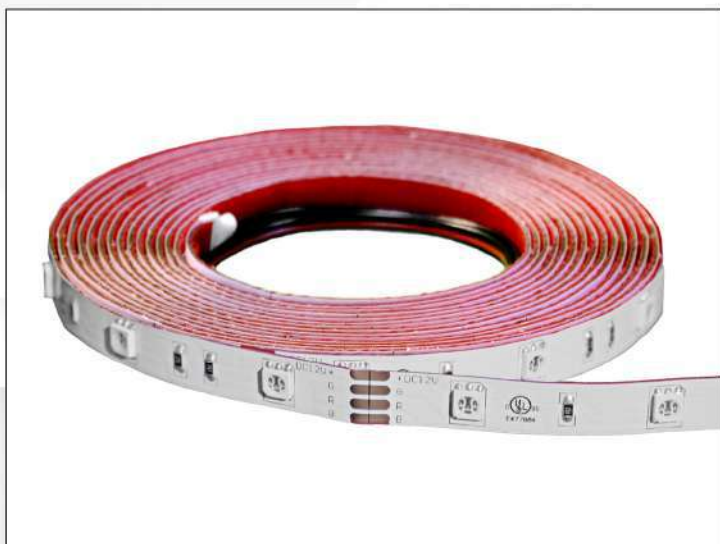


See page 11 for more details

Dimensions Diagram



Size Specs



ESP5V2-20-03RG Semi Bright RGB Series

Color	Product Code
RGB	ESP5V2-20-03RG

Working Voltage: 12VDC.

LED Chip Type: SMD5050 RGB.

Rated Power: 2.20W/foot || 7.2W/meter.

Product Width: 0.4 inch || 10 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 4 inches || 100 mm approximately.

A 12VDC Power Supply required to operate*.

RGB Controller needed for color changing functions*.

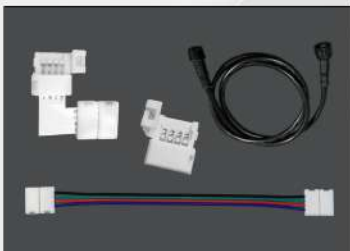


Example



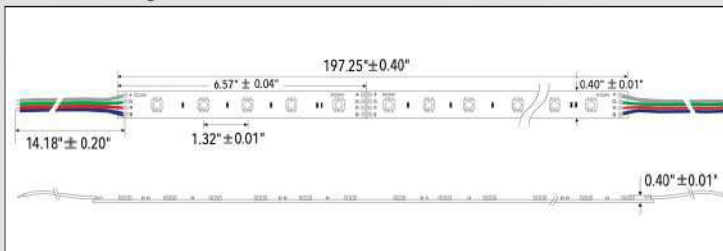
See page 10 for more applications

Accessories



See page 11 for more details

Dimensions Diagram



Size Specs



ESP5V2-20-06RG

Bright RGB Series

Working Voltage: 12VDC.

LED Chip Type: SMD5050 Multi-Color.

Rated Power: 3.36W/foot || 11W/meter.

Product Width: 0.4 inch || 10 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 2 inches || 50 mm approximately.

A 12VDC Power Supply required to operate*.

RGB Controller needed for color changing functions*.

Color	Product Code
RGB	ESP5V2-20-06RG

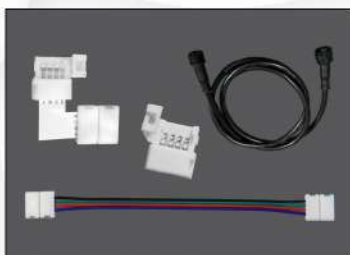


Example



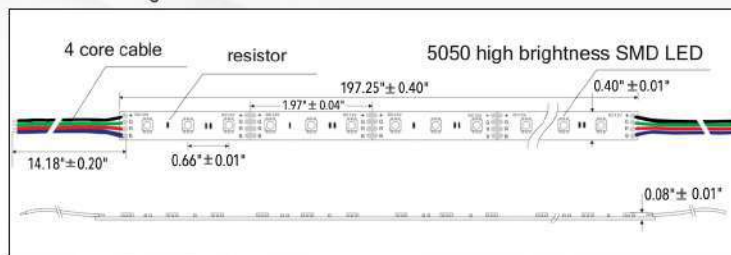
See page 10 for more applications

Accessories

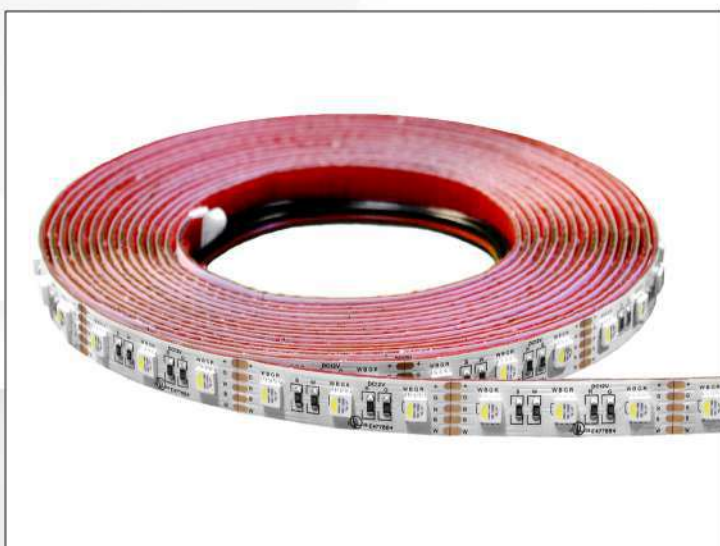


See page 11 for more details

Dimensions Diagram



Size Specs



ESP5V2-20-06RW

Bright RGBW Series

Working Voltage: 12VDC.

LED Chip Type: SMD5050 Multi-Color + White.

Rated Power: 3.36W/foot || 11W/meter.

Product Width: 0.5 inch || 12 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 2 inches || 50 mm approximately.

A 12VDC Power Supply required to operate*.

RGBW Controller needed for color changing functions*.

Color	Product Code
RGB + WHITE	ESP5V2-20-06RW

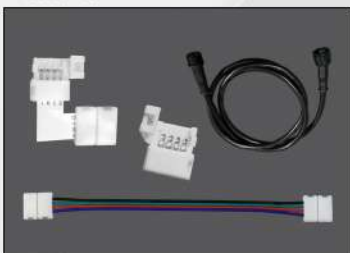


Example



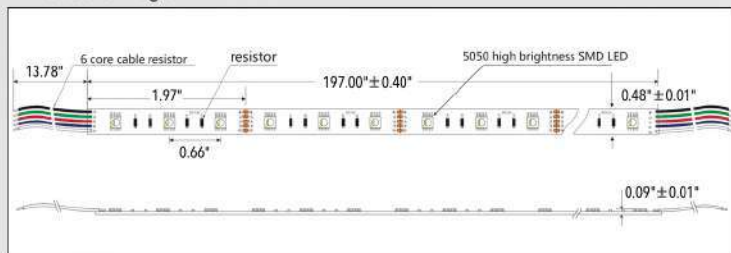
See page 10 for more applications

Accessories



See page 11 for more details

Dimensions Diagram



Size Specs



ESP5V4-20-12RG Super Bright RGB Series

Working Voltage: 24VDC.

LED Chip Type: SMD5050 Multi-Color.

Rated Power: 5.49W/foot || 18W/meter.

Product Width: 0.4 inch || 10 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 2 inches || 50 mm approximately.

A 24VDC Power Supply required to operate*.

RGB Controller needed for color changing functions*.

Color	Product Code
RGB	ESP5V4-20-12RG



Example



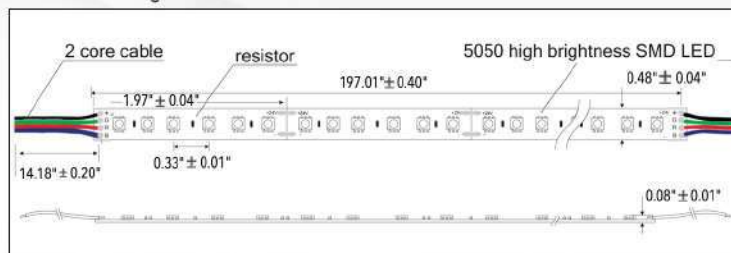
See page 10 for more applications

Accessories



See page 11 for more details

Dimensions Diagram



Size Specs



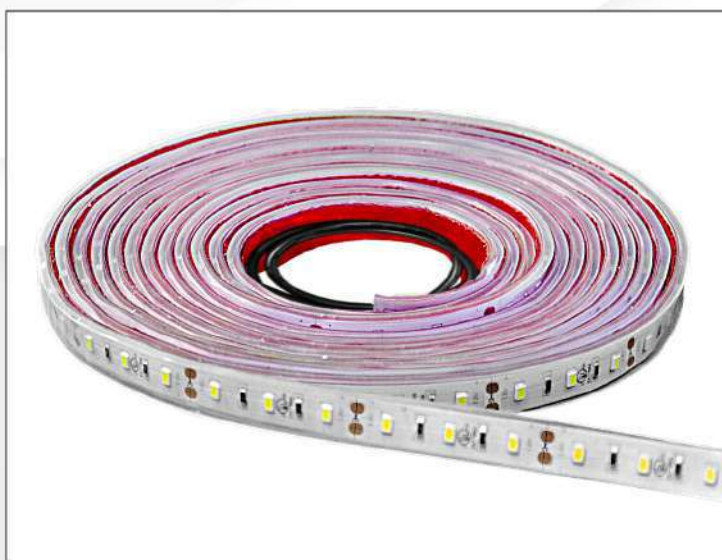
REQUEST YOUR FREE ADVICE NOW



Strip Lights Outdoor Series



The LED Strip Outdoor Series are suitable for Indoor damp location areas such as kitchens, bathrooms, spa, fridge and others. Suitable for Wet location areas including all outdoor areas with some exceptions.



ESP2V2-65

Wet-Rated High Power Series

Working Voltage: 12VDC.

LED Chip Type: SMD2835 Single color.

Rated Power: 3.36W/foot || 11W/meter.

Lumens: 341~381 Lumens per foot.

Product Width: 0,4 inch || 10 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 2 inches || 50 mm approximately.

A 12VDC Power Supply required to operate*.

Color Temperature	Product Code
3000K	ESP2V2-65-0630K
4000K	ESP2V2-65-0640K
6000K	ESP2V2-65-0660K



Example of application



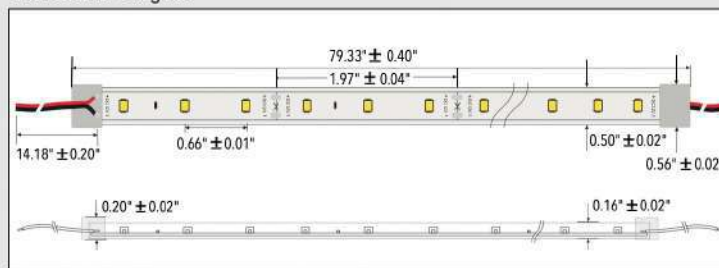
See page 10 for more applications

Accessories



See page 11 for more details

Dimensions Diagram





ESP5V2-65-03RG

Wet-Rated Semi Bright RGB Series

Working Voltage: 12VDC.

LED Chip Type: SMD5050 RGB.

Rated Power: 2.20W/foot || 7.2W/meter.

Product Width: 0.4 inch || 10 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 4 inches || 100 mm approximately.

A 12VDC Power Supply required to operate*.

RGB Controller needed for color changing functions*.

Color	Product Code
RGB	ESP5V2-65-03RG



Example



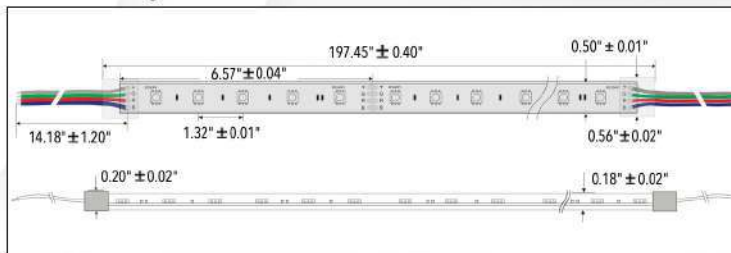
See page 10 for more applications

Accessories



See page 11 for more details

Dimensions Diagram



Size Specs



ESP5V2-65-06RG

Wet-Rated Bright RGB Series

Working Voltage: 12VDC.

LED Chip Type: SMD5050 Multi-Color.

Rated Power: 3.36W/foot || 11W/meter.

Product Width: 0.4 inch || 10 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 2 inches || 50 mm approximately.

A 12VDC Power Supply required to operate*.

RGB Controller needed for color changing functions*.

Color	Product Code
RGB	ESP5V2-65-06RG



Example



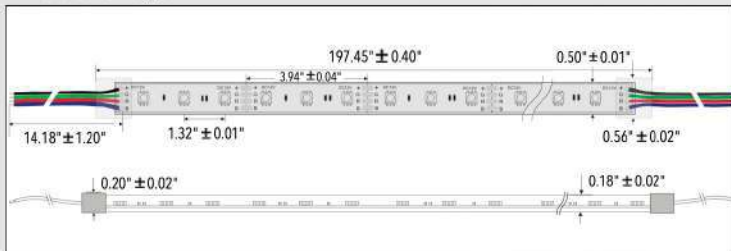
See page 10 for more applications

Accessories



See page 11 for more details

Dimensions Diagram



Size Specs



ESP5V2-65-06RW

Wet-Rated Bright RGBW Series

Working Voltage: 12VDC.

LED Chip Type: SMD5050 Multi-Color + White.

Rated Power: 3.36W/foot || 11W/meter.

Product Width: 0.5 inch || 12 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 2 inches || 50 mm approximately.

A 12VDC Power Supply required to operate*.

RGBW Controller needed for color changing functions*.

Color	Product Code
RGB + WHITE	ESP5V2-65-06RW



Example



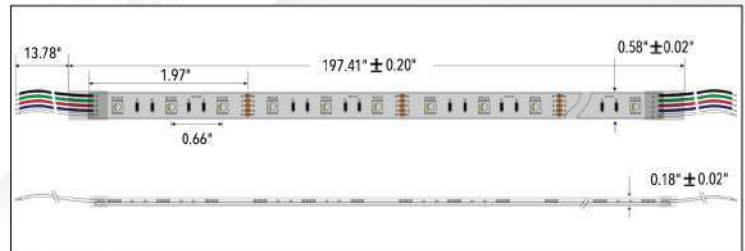
See page 10 for more applications

Accessories



See page 11 for more details

Dimensions Diagram



Size Specs



ESP5V4-65-12RG

Wet-Rated Super Bright RGB Series

Working Voltage: 24VDC.

LED Chip Type: SMD5050 Multi-Color.

Rated Power: 5.49W/foot || 18W/meter.

Product Width: 0.4 inch || 10 mm.

Length: 16.4 feet || 5 meters.

Cut Sections: it can be cut at every 2 inches || 50 mm approximately.

A 24VDC Power Supply required to operate*.

RGB Controller needed for color changing functions*.

Color	Product Code
RGB	ESP5V4-65-12RG



Example



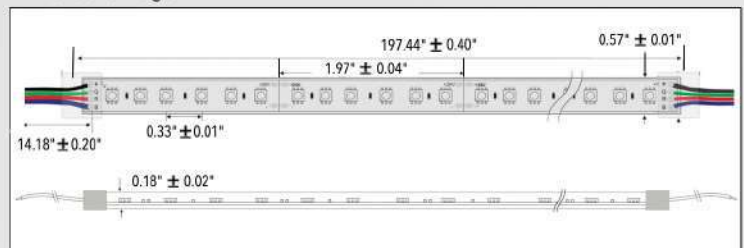
See page 10 for more applications

Accessories



See page 11 for more details

Dimensions Diagram



Size Specs

Strip Lights

Ideas & applications

Under Cabinet



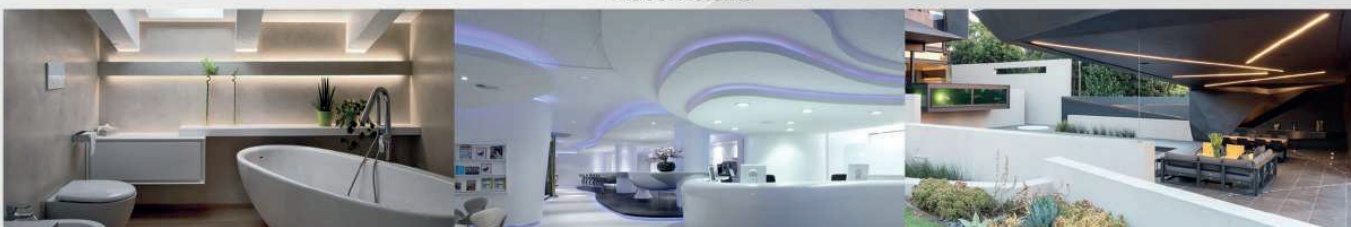
Closet



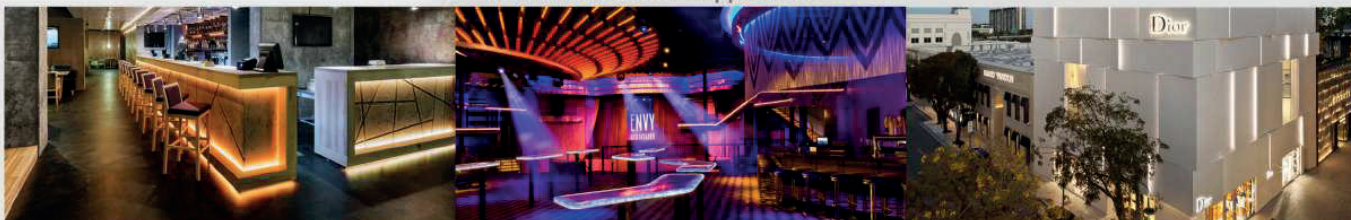
Center Entertainment



Indoor Accents



Commercial Accents & Applications



REQUEST YOUR FREE ADVICE NOW



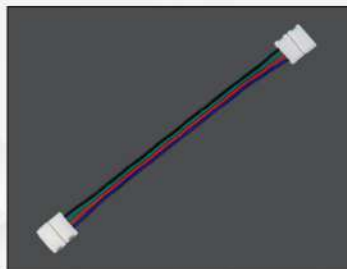
Strip Lights Accessories



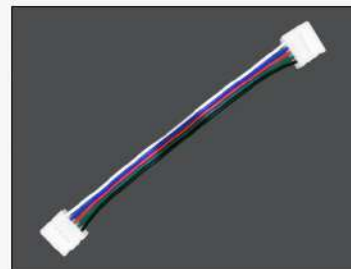
ECNA-2PPSW1-BK
Low Voltage Dimmer Switch
Female to male connector.



ECNA-2SW2P-10
Single Color Terminal Extension
Strip connector with a 6" wire to connect 10mm single color strips.



ECNA-2SW4P-10
RGB Terminal Extension
Strip connector with a 6" wire to connect 10mm RGB strips.



ECNA-2SW5P-12
RGBW Terminal Extension
Strip connector with a 6" wire to connect 12mm RGBW strips.



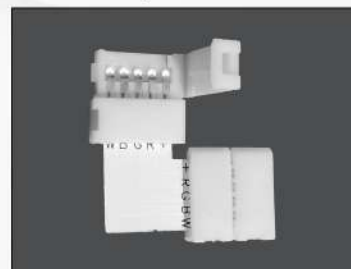
ECNA-2SW2P-10-F
2-Pin to DC Female Connector
15mm cable, Black.



ECNA-2SCR2P-10
Single Color Corner Connector
"L" Shape strip connector to connect 10mm single color strips.



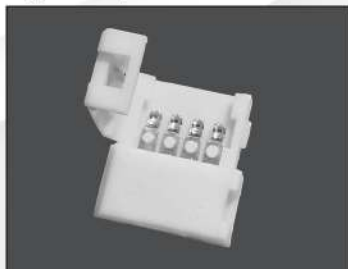
ECNA-2SCR4P-10
RGB Corner Connector
"L" Shape strip connector to connect 10mm RGB strips.



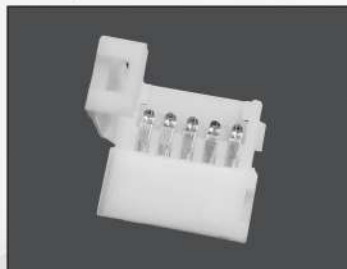
ECNA-2SCR5P-12
RGBW Corner Connector
"L" Shape strip connector to connect 12mm RGBW strips.



ECNA-2S2P-10
Single Color Coupler
Strip Coupler to connect 10mm single color strips.



ECNA-2S4P-10
RGB Coupler
Strip Coupler to connect 10mm RGB strips.



ECNA-2S5P-12
RGBW Coupler
Strip Coupler to connect 12mm RGBW strips.



ECNA-DC-2PW-W
Female to Male DC Connector
Used in connecting Single Color Strip.



ECNA-DC-2PW-B
Female to Male Connector for Single Color Strip
Wet-Rated 2-pin Single Color Connector.



ECNA-DC-4PW-B
Female to Male Connector for RGB Strip
Wet-Rated 4-pin RGB Connector.



ECNA-DC-5PW-B
Female to Male Connector for RGBW Strip
Wet-Rated 5-pin RGBW Connector.

LED Modules



LED backlight modules for retrofitting indoor or outdoor fluorescent signage and light boxes. Waterproof and durables while providing bright, even light.



EMO-LI3U30W

Wide Angle LED Module

LED Chip Type: SMD2835 Single Color.

Product sold in 25 modules strip.

Working Voltage: 12VDC.

Beam Angle: 160°.

Rated Power: 30W a module strip || 1.2W a single module.

Product Length: 25 modules, 16.5 feet.

Module Width: 0.51 inches.

Module Length: 2.68 inches.

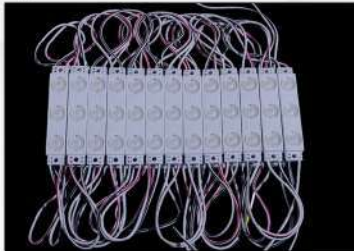
Cut Sections: Each Module can be cut independently.

A 12VDC Power Supply required to operate*.

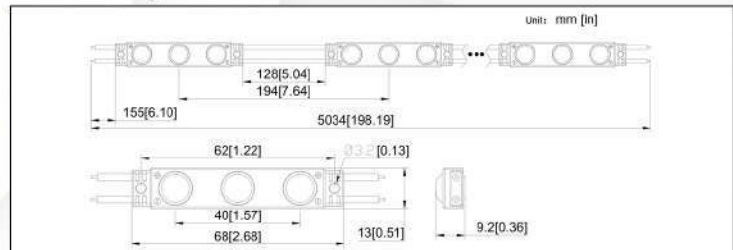


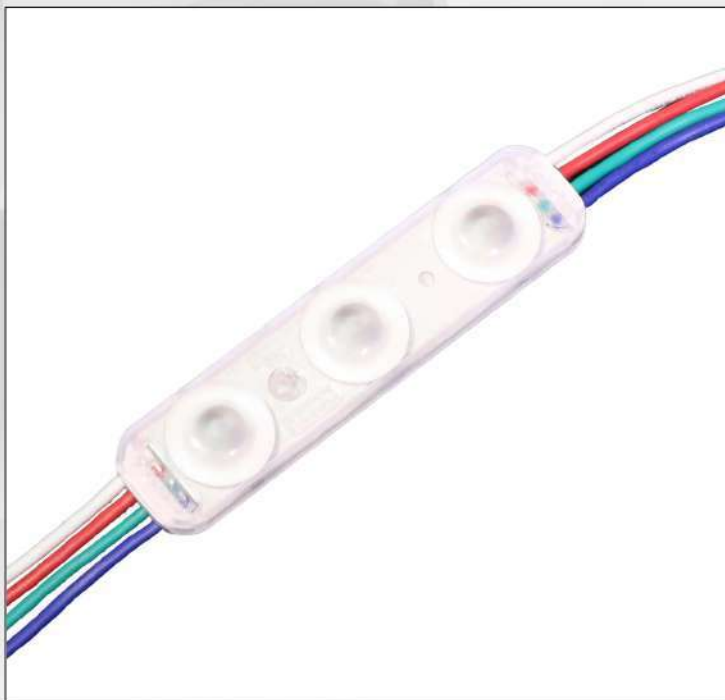
Color Temperature	Product Code	Lumens
3000K	EMO-LI3U30W-30K	106 lumens
6000K	EMO-LI3U30W-60K	106 lumens
RED	EMO-LI3U30W-R	30 lumens
GREEN	EMO-LI3U30W-G	30 lumens
BLUE	EMO-LI3U30W-B	30 lumens

Applications



Dimensions Diagram





EMO-LI3U30W-RGB

Wide Angle LED Module

LED Chip Type: SMD5050 RGB.

Product sold in 25 modules strip.

Working Voltage: 12VDC.

Beam Angle: 160°.

Rated Power: 18W a module strip || 0.72W a single module.

Product Length: 25 modules, 16.5 feet.

Module Width: 0.51 inches.

Module Length: 2.68 inches.

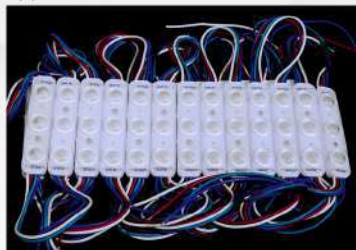
Cut Sections: Each Module can be cut independently.

A 12VDC Power Supply required to operate*.

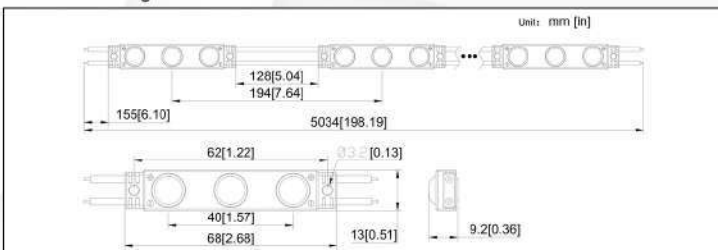


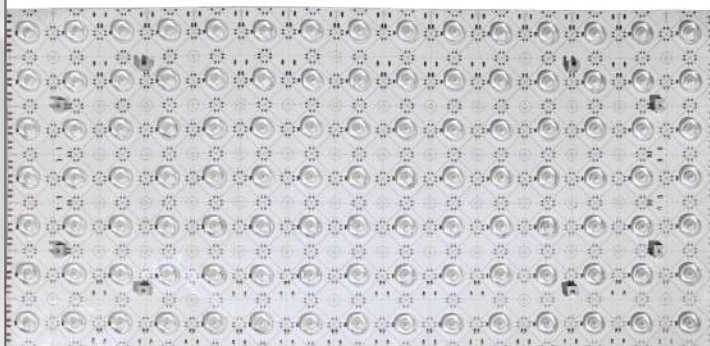
Color Temperature	Product Code	Lumens
RGB	EMO-LI3U30W-RGB	15-20 lumens

Applications



Dimensions Diagram





EMO-SH160D

Wide Angle LED Module Sheet

LED Chip Type: SMD2835 Single Color.

Product Dimensions: 19.82" LX 9.25" W X 0.27" H.

Working Voltage: 12VDC.

Beam Angle: 160°.

Rated Power: 32W || 0.3W a single LED chip.

LED Chip Dimension: 1.33" LX 1.33" W X 0.27" H.

Cut Sections: Each LED chip can be cut independently following the marked lines.

A 12VDC Power Supply required to operate*.

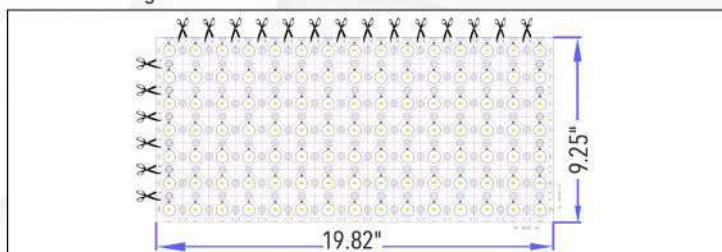


Color Temperature	Product Code	Lumens
3000K	EMO-SH160D30K	3480 LM
6000K	EMO-SH160D60K	3480 LM

Applications



Dimensions Diagram



ABOUT LED CHANNELS



Aluminum channels are a crucial part of any linear LED fixture. They act as a durable, lightweight housing for LED strip lighting of any color temperature, color, or output. Most importantly they act as the primary source of thermal management for your LED strips. With a variety of different styles, they allow you to create any lighting effect specific to your design objectives. We are proud to carry the most varied selection of LED aluminum channels in 8 foot lengths, including aluminum extrusions suitable for surface mounted LED strip lighting, recessed mounted LED strips, high output LED lighting, suspended/cable-mounted LED strip lighting, and other custom applications. Some custom applications include recessed linear LED lighting into concrete for driveways, or in-between wall tiles, or LED strip lighting for stair-treads. Our wide selection of LED strip housings allow you to create virtually any LED lighting design without boundaries.

LED Aluminum Channels



Aluminum profiles for LED tape light fit seamlessly into grooves in cabinets, stairs, ceilings, closets, floors, and walls.



EAP-CP1-FC-8FT Angular Channel with Curved Cover

Length: 8 Feet.

Cover: Frosted.

Dimensions: 94.5" L x 0.63" W x 0.63" H.

Light Source Width: 0.4" (1 LED strip row).

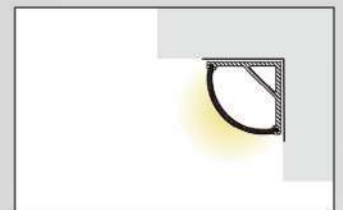
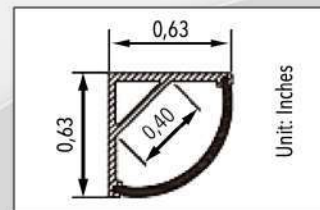
Included: Push in Cover, Mounting Clip (4), and

End Caps (2 pair).

Applications: For 90° Interceptions, Corners.

Product Code

EAP-CP1-FC-8FT



Aluminum Channel



End cap



Mounting Clip



Connector



Application



EAP-SM1-FC-8FT Slim Aluminum Channel

Length: 8 Feet.

Cover: Frosted.

Dimensions: 94.5" L x 0.67" W x 0.36" H.

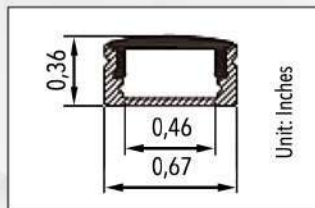
Light Source Width: 0.46" (1 LED strip row).

Included: Push in Cover, Mounting Clips (4), and End Caps: 2 pair.

Applications: Surface & Recessed mount.

Product Code

EAP-SM1-FC-8FT



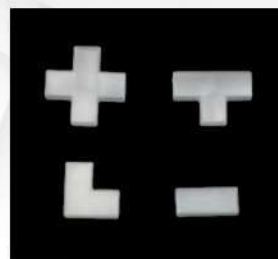
Aluminum Channel



End cap



Mounting Clip



Connector



Application



EAP-SM2-FC-8FT Deep Aluminum Channel

Length: 8 Feet.

Cover: Frosted.

Dimensions: 94.5" L x 0.68" W x 0.6" H.

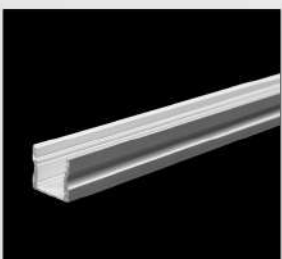
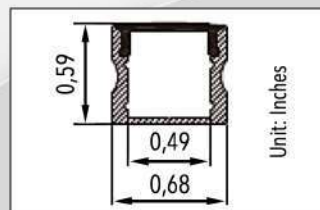
Light Source Width: 0.49" (1 LED strip row).

Included: Push in Cover, Mounting Clips (4), and End Caps (2 pair).

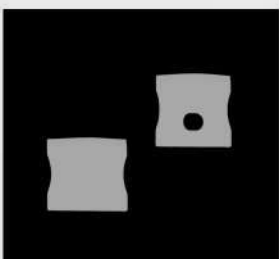
Applications: Surface & Recessed mount.

Product Code

EAP-SM2-FC-8FT



Aluminum Channel



End cap



Mounting Clip



Application



EAP-RM1-FC-8FT Flanged Aluminum Channel

Length: 8 Feet.

Cover: Frosted.

Dimensions: 94.5" L x 0.91" W x 0.35" H.

Light Source Width: 0.48" (1 LED strip row).

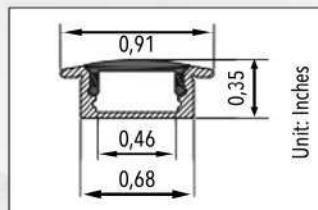
Included: Push in Cover, Mounting Clips (4), and

End Caps: 2 pair.

Applications: Recessed mount.

Product Code

EAP-RM1-FC-8FT



Aluminum Channel



Aluminum Channel Back



End Cap



Connector



Application



EAP-RM2-FC-8FT Deep Flanged Aluminum Channel

Length: 8 Feet.

Cover: Frosted.

Dimensions: 94.5" L x 0.90" W x 0.60" H.

Light Source Width: 0.48" (1 LED strip row).

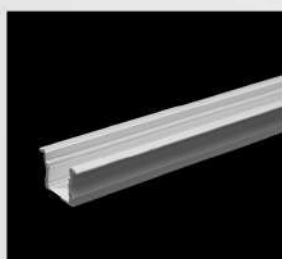
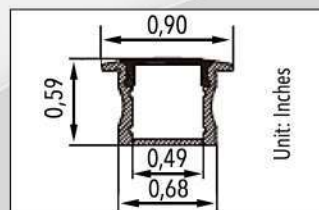
Included: Push in Cover, Mounting Clips (4), and

End Caps: 2 pair.

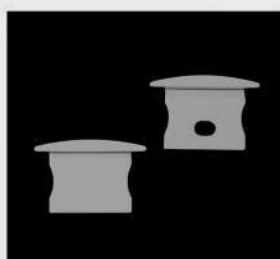
Applications: Recessed mount.

Product Code

EAP-RM2-FC-8FT



Aluminum Channel



End cap



Mounting Clip



Application



EAP-SM3-FC-8FT High Power Aluminum Channel

Length: 8 Feet.

Cover: Frosted.

Dimensions: 94.5" L x 1.38" W x 1.34" H.

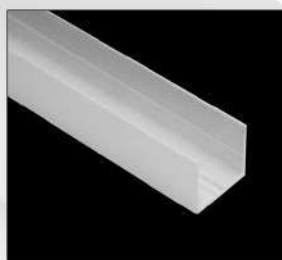
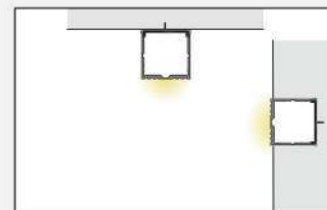
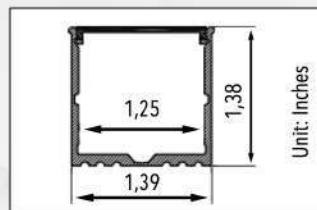
Light Source Width: 1.26" (2 LED strip row).

Included: Push in Cover, Mounting Clips (4), End Caps: 2 pair and 8 x Spring Bracket Included.

Applications: Surface & Recessed mount.

Product Code

EAP-SM3-FC-8FT



Aluminum Channel



Aluminum Channel Back



End Cap



Connector



EAP-RM3-FC-8FT High Power Flanged Aluminum Channel

Length: 8 Feet.

Cover: Frosted.

Dimensions: 94.5" L x 2.2" W x 1.38" H.

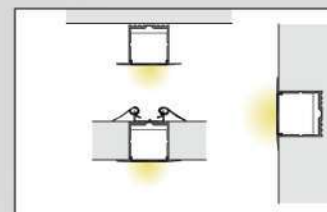
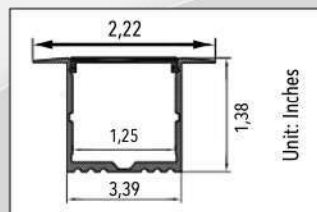
Light Source Width: 1.26" (2 LED strip row).

Included: Push in Cover, Mounting Clips (4), End Caps: 2 pair, 4 x Spring Bracket Included.

Applications: Recessed mount.

Product Code

EAP-RM3-FC-8FT



Aluminum Channel



Aluminum Channel Back

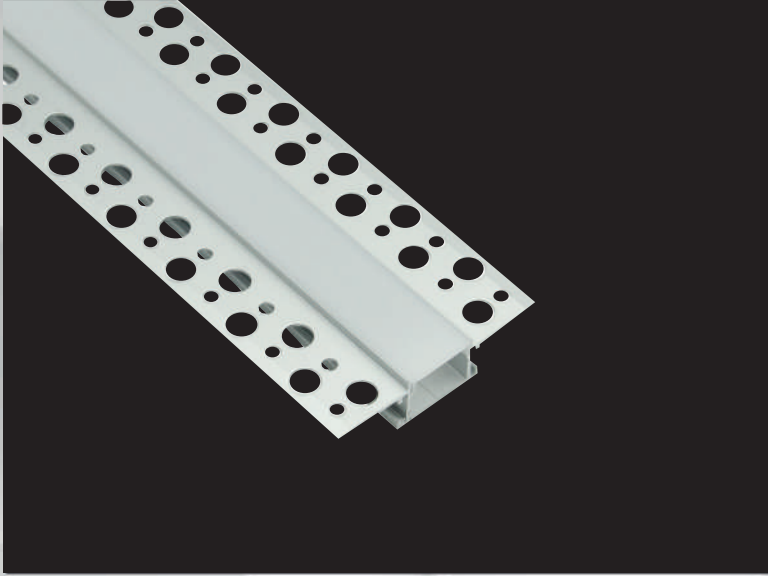


End Cap



Mounting Clip





EAP-RMT1-FC-8FT

TRIM-LESS STANDARD FLANGED ALUMINUM CHANNEL

Length: 8 Feet.

Cover: Frosted.

Dimensions: 94.5" L x 2.67" W x 0.64" H.

Light source Width: 0.75" (1 LED strip row)

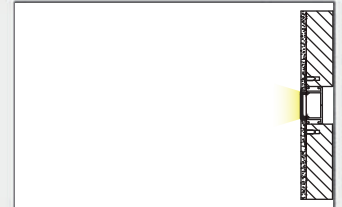
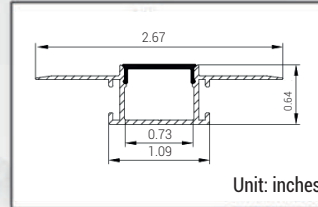
Trim-less Recessed Flange for Drywalls.

Included: Push in Cover, Mounting Clip (4), and End Caps (2 pair).

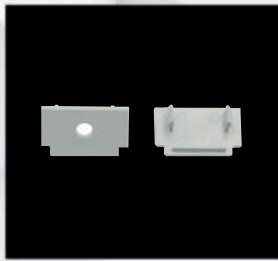
Applications: Recessed In-Wall/Ceiling.

Product Code

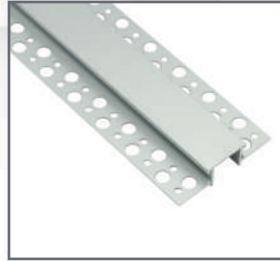
EAP-RMT1-FC-8FT



Aluminum profile



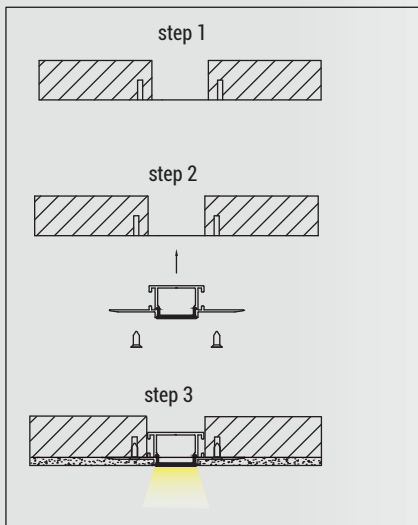
End cap



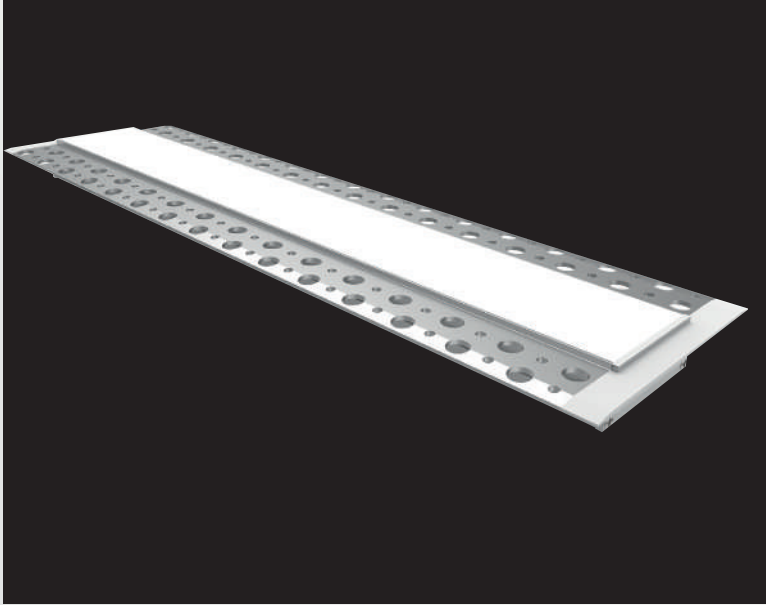
Aluminum profile back



cover



APPLICATION



EAP-RMT2-FC-8FT

TRIM-LESS WIDE FLANGED ALUMINUM CHANNEL

Length: 8 Feet.

Cover: Frosted.

Dimensions: 94.5" L x 3.55" W x 0.73" H.

Light source Width: 1.54" (3 LED strip row).

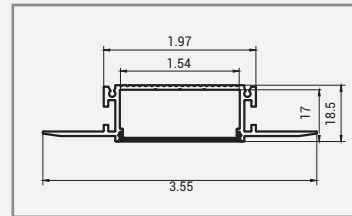
Trim-less Recessed Flange for Drywalls.

Included: Push in Cover, Mounting Clip (4), and End Caps (2 pair).

Applications: Recessed In-Wall/Ceiling.

product code

EAP-RMT2-FC-8FT



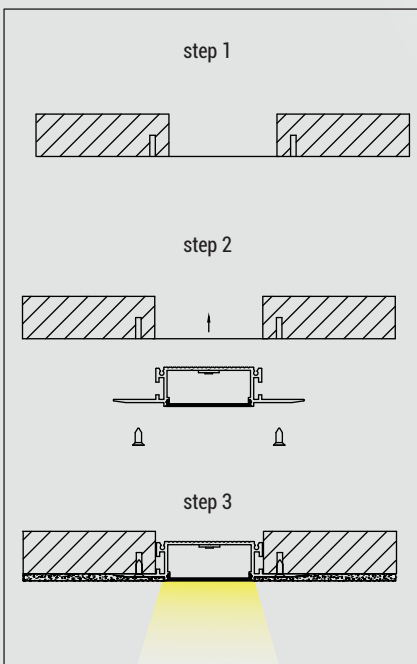
End cap



Aluminum Profile



Cover



APPLICATION

REQUEST YOUR FREE ADVICE NOW





EAP-SM4-FC-8FT

High Power Suspended Aluminum Channel

Length: 8 Feet.

Cover: Frosted.

Dimensions: 94.5" L x 2.36" W x 3.45" H.

Light Source Width: 2.20" (2 LED strip row).

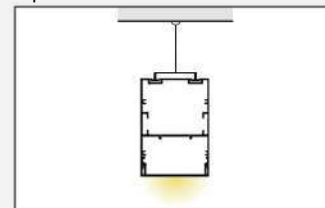
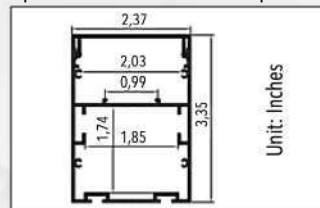
Included: Push in Cover, Mounting Clips (4) End Caps (2 pair) and Suspension kit.

Applications: Suspended.

Special Feature: It has compartment to place LED driver.

Product Code

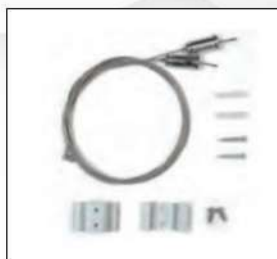
EAP-SM4-FC-8FT



Aluminum Channel



End cap



Suspended Rope



Conector



Application





ABOUT POWER SUPPLIES



The operation and duration of a LED luminaire depends to a large extent on the driver that stabilizes the current and provides thermal protection. Basically LED drivers fulfill two functions; First, they transform the current. From alternate (AC) to continuous (CC). Second, they adapt the output voltage to the needs of the LED. The LEDs, due to their low consumption, work with very low voltages, so a high voltage not only would not work but would burn them. Beware of this because the drivers have a certain working range and not all drivers are suitable for all types of luminaires.

Another fact to take into account is the sensitivity shown by LEDs to current disturbances. The driver is vital to establish a constant voltage, which keeps the luminous flux (intensity and color) and the temperature of the luminaire stable. Betting on a quality driver from specialized manufacturers such as Meanwell, extends the useful life of LED luminaires and makes us optimize 100% our investment, energy efficiency and other beneficial characteristics. As an expert in lighting, we really trust on Meanwell power supplies and we have them at your disposal for your lighting projects.

Power Supplies

LED power supplies are used to connect LED products which require a 12V or 24V power supply. You can choose from a variety of wattages and shapes of power supplies that suit your devices.



LRS-75 Enclosed Unit

Input Voltage: 100-240VAC.

Rated Power at 12V: 75W.

Dimensions: 3.90" L x 3.82" W x 1.19" H.

Output Voltage	Maximum Current	Product Code
12VDC	6.25A	LRS-75-12



RoHS



LRS-100 Enclosed Unit

Input Voltage: 100-240VAC.

Rated Power at 24V: 100W.

Dimensions: 5.07" L x 3.82" W x 1.19" H.

Output Voltage	Maximum Current	Product Code
24VDC	4.16A	LRS-100-24



RoHS



LRS-150 Enclosed Unit

Input Voltage: 100-240VAC.

Rated Power: 150W.

Dimensions: 6.26" L x 3.82" W x 1.19" H.

Output Voltage	Maximum Current	Product Code
12VDC	12.5A	LRS-150-12
24VDC	3.13A	LRS-150-24



RoHS





LRS-200 Enclosed Unit

Input Voltage: 100-240VAC.

Rated Power: 200W.

Dimensions: 8.47" L x 4.53" W x 1.19" H.

Output Voltage	Maximum Current	Product Code
12VDC	16.66A	LRS-200-12
24VDC	8.33A	LRS-200-24



RoHS



LRS-350 Enclosed Unit

Input Voltage: 100-240VAC.

Rated Power: 350W.

Dimensions: 8.47" L x 4.53" W x 1.19" H.

Output Voltage	Maximum Current	Product Code
12VDC	29.16A	LRS-350-12
24VDC	14.58A	LRS-350-24



RoHS



SE-450 Enclosed Unit

Input Voltage: 100-240VAC.

Rated Power: 450W.

Dimensions: 8.86" L x 4.89" W x 1.97" H.

Output Voltage	Maximum Current	Product Code
12VDC	37.50A	SE-450-12
24VDC	18.75A	SE-450-24



RoHS





LPV-60 Waterproof

Input Voltage: 100-240VAC.

Rated Power: 60W.

Class II, Class 2.

Dimensions: 6.4" L x 1.674" W x 1.26" H.

Output Voltage	Maximum Current	Product Code
12VDC	5A	LPV-60-12



LPV-100 Waterproof

Input Voltage: 100-240VAC.

Rated Power: 100W.

Dimensions: 7.48" L x 2.05" W x 1.46" H.

Output Voltage	Maximum Current	Product Code
12VDC	8.33A	LPV-100-12
24VDC	4.16A	LPV-100-24



HLG-120H Waterproof

Input Voltage: 100-277VAC.

Rated Power at 12V/24V: 120W.

Dimensions: 7.88" L x 2.68" W x 1.5" H.

Output Voltage	Maximum Current	Product Code
12VDC	10A	HLG-120H-12A
24VDC	5A	HLG-120H-24A



HLG-150H Waterproof

Input Voltage: 100-277VAC.

Rated Power at 12V/24V: 150W.

Dimensions: 8.98" L x 2.68" W x 1.5" H.

Output Voltage	Maximum Current	Product Code
12VDC	12.5A	HLG-150H-12A
24VDC	6.25A	HLG-150H-24A





HLG-240H Waterproof

Input Voltage: 100-277VAC.

Dimensions: 9.62" L x 2.68" W x 1.5" H.

Rated power at 12V: 196W.

Rated power at 24V: 240W.

Output Voltage	Maximum Current	Product Code
12VDC	16A	HLG-240H-12A
24VDC	10A	HLG-240H-24A



HLG-320H Waterproof

Input Voltage: 100-277VAC.

Dimensions: 9.93" L x 3.55" W x 1.73" H.

Rated power at 12V: 264W.

Rated power at 24V: 320W.

Output Voltage	Maximum Current	Product Code
12VDC	22A	HLG-320H-12A
24VDC	13.34A	HLG-320H-24A



HLG-600H Waterproof

Input Voltage: 100-277VAC.

Dimensions: 11.03" L x 5.67" W x 1.91" H.

Rated power at 12V: 480W.

Rated power at 24V: 600W.

Output Voltage	Maximum Current	Product Code
12VDC	40A	HLG-600H-12A
24VDC	28A	HLG-600H-12A





MG-E60R12DC Dimmable

Input Voltage: 120VAC.

Rated Power: 60W.

Class 2.

Dimensions: 4.62" L x 2.2" W x 0.77" H.

Output Voltage	Maximum Current	Product Code
12VDC	5A	MG-E60R12DC



MG-E96R24DC Dimmable

Input Voltage: 120VAC.

Rated Power: 96W.

Class 2.

Dimensions: 4.62" L x 2.2" W x 0.77" H.

Output Voltage	Maximum Current	Product Code
24VDC	4A	MG-E96R24DC



MG-E60L12DC Dimmable

Input Voltage: 120VAC.

Rated Power: 60W.

Class 2.

Dimensions: 6.77" L x 2.67" W x 1.26" H.

Output Voltage	Maximum Current	Product Code
12VDC	5A	MG-E60L12DC



MG-E96L24DC Dimmable

Input Voltage: 120VAC.

Rated Power: 96W.

Class 2.

Dimensions: 6.77" L x 2.67" W x 1.26" H.

Output Voltage	Maximum Current	Product Code
24VDC	4A	MG-E96L24DC





MG-M100L Dimmable

Input Voltage: 120VAC.

Rated Power: 100W.

Class II.

Dimensions: 10.06" L x 3.09" W x 2.84" H.



Output Voltage	Maximum Current	Product Code
12VDC	10.76A	MG-M100L12DC
24VDC	4.31A	MG-M100L24DC



MG-M150L Dimmable

Input Voltage: 120VAC.

Rated Power: 150W.

Class II.

Dimensions: 10.06" L x 3.09" W x 2.84" H.



Output Voltage	Maximum Current	Product Code
12VDC	13.3A	MG-M150L12DC
24VDC	6.5A	MG-M150L24DC



MG-M200L Dimmable

Input Voltage: 120VAC.

Rated Power: 200W.

Class II.

Dimensions: 10.06" L x 3.09" W x 2.84" H.



Output Voltage	Maximum Current	Product Code
12VDC	15.6A	MG-M200L12DC
24VDC	10.9A	MG-M200L24DC



MG-M300L Dimmable

Input Voltage: 120VAC.

Rated Power: 300W.

Class II.

Dimensions: 10.06" L x 4.21" W x 3.5" H.



Output Voltage	Maximum Current	Product Code
12VDC	25A	MG-M300L12DC
24VDC	12.5A	MG-M300L24DC



OWA-60U-12 Plug & Play

Input Voltage: 120VAC.

Rated Power: 60W.

Class 2, Class II.

Dimensions: 5.12" L x 2.09" W x 1.38" H.

Output Voltage	Maximum Current	Product Code
12VDC	5A	OWA-60U-12



OWA-60U-24 Plug & Play

Input Voltage: 120VAC.

Rated Power: 90W.

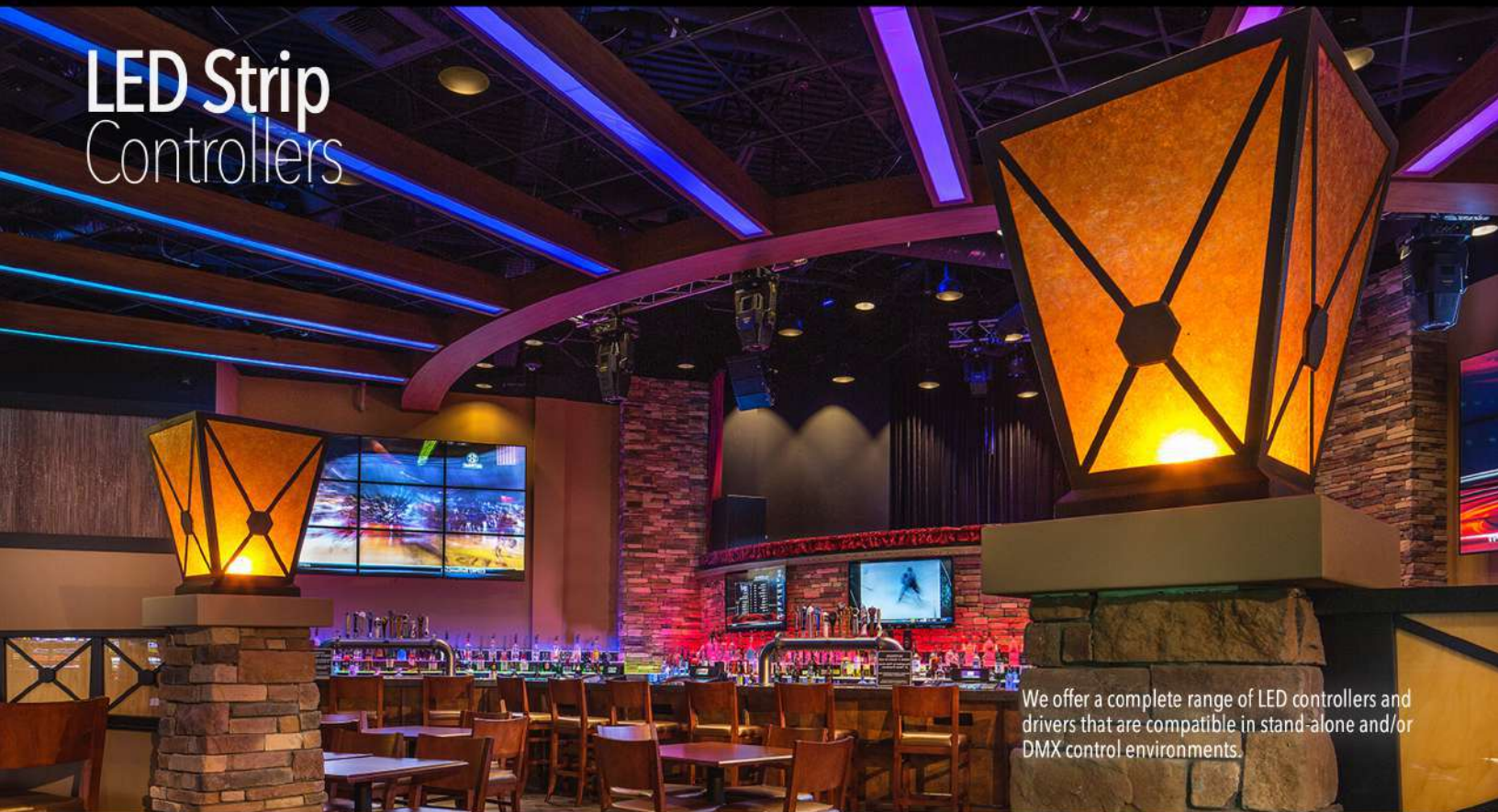
Class 2, Class II.

Dimensions: 5.12" L x 2.09" W x 1.38" H.

Output Voltage	Maximum Current	Product Code
24VDC	3.75A	OWA-90U-24



LED Strip Controllers



We offer a complete range of LED controllers and drivers that are compatible in stand-alone and/or DMX control environments.



ECTL-CT1C3A

LED Dimmer

Operating Voltage: 12V & 24V.

Channels: 1 (W, W, W).

Remarks: Same channel split in 3 exact outputs.

Amperes per output: 3A.

Max Power at 12VDC: 108W.

Max power at 24VDC: 216W.

Communication: Radio Frequency.

Receiver Dimension: 5.32" LX 1.19" W X 0.79" H.

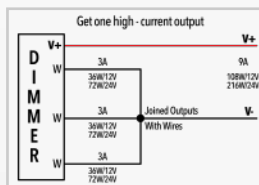


RoHS



Product Code

ECTL-CT1C3A



ECTL-CT2C3A

CCT Controller

Operating Voltage: 12V & 24V.

Channels: 2 (W, C).

Amperes per Channel: 3A.

Max Power at 12VDC: 72W.

Max power at 24VDC: 144W.

Communication: Radio Frequency.

Receiver Dimension: 5.32" LX 1.19" W X 0.79" H.



RoHS



Product Code

ECTL-CT2C3A



ECTL-CT3C3A 3A RGB Controller

Operating Voltage: 12V & 24V.
Channels: 3 (R, G, B).
Amperes per Channel: 3A.
Max Power at 12VDC: 108W.
Max power at 24VDC: 216W.
Communication: Radio Frequency.
Receiver Dimension: 5.32" L X 1.19" W X 0.79" H.



Product Code

ECTL-CT3C3A



5A RGB Controller

Operating Voltage: 12V & 24V.
Channels: 3 (R, G, B).
Amperes per Channel: 5A.
Max Power at 12VDC: 180W.
Max power at 24VDC: 360W.
Communication: Radio Frequency.
Receiver Dimension: 6.89" L X 1.74" W X 1.19" H.



Product Code

ECTL-CT3C5A



ECTL-CT4C3A 3A RGBW Controller

Operating Voltage: 12V & 24V.
Channels: 4 (R, G, B, W).
Amperes per Channel: 3A.
Max Power at 12VDC: 144W.
Max power at 24VDC: 288W.
Communication: Radio Frequency.
Receiver Dimension: 5.32" L X 1.19" W X 0.79" H.



Product Code

ECTL-CT4C3A



ECTL-CT4C5A 5A RGBW Controller

Operating Voltage: 12V & 24V.
Channels: 4 (R, G, B, W).
Amperes per Channel: 5A.
Max Power at 12VDC: 240W.
Max power at 24VDC: 480W.
Communication: Radio Frequency.
Receiver Dimension: 6.89" L X 1.74" W X 1.19" H.



Product Code

ECTL-CT4C5A



ECTL-DM3C6A-RJ RGB DMX Decoder

Operating Voltage: 12V & 24V.
Channels: 3 (R, G, B).
Amperes per Channel: 6A.
Max Power at 12VDC: 216W.
Max power at 24VDC: 432W.
Communication: Radio Frequency.
Connection: RJ45.
Product Dimension: 6.89" L X 1.66" W X 1.30" H.



Product Code

ECTL-DM3C6A-RJ



ECTL-DM4C5A-RJ RGBW DMX Decoder

Operating Voltage: 12V & 24V.
Channels: 4 (R, G, B, W).
Amperes per Channel: 5A.
Max Power at 12VDC: 240W.
Max power at 24VDC: 480W.
Communication: Radio Frequency.
Connection: RJ45.
Product Dimension: 6.89" L X 1.66" W X 1.30" H.



Product Code

ECTL-DM4C5A-RJ



ECTL-DMCT1 DMX Controller

Internal Memory.
120 steps@256Chs.
Connection: XLR-3 Connectors.
PC Software LITECH LED PLAYER.
Product Dimension: 5.52" L X 7.88" W X 2.05" H.



Product Code

ECTL-DMCT1



INCLUDED





ECTL-WF2RC4C3A RGB/RGBW App Controller

Operating Voltage: 12V & 24V.

Channels: 4 (R, G, B, W).

Amperes per Channel: 3A.

Max Power at 12VDC: 144W.

Max power at 24VDC: 288W.

Communication: WIFI.

APP: L-Home.

Receiver Dimension: 4.93" L X 1.30" W X 0.79" .H.

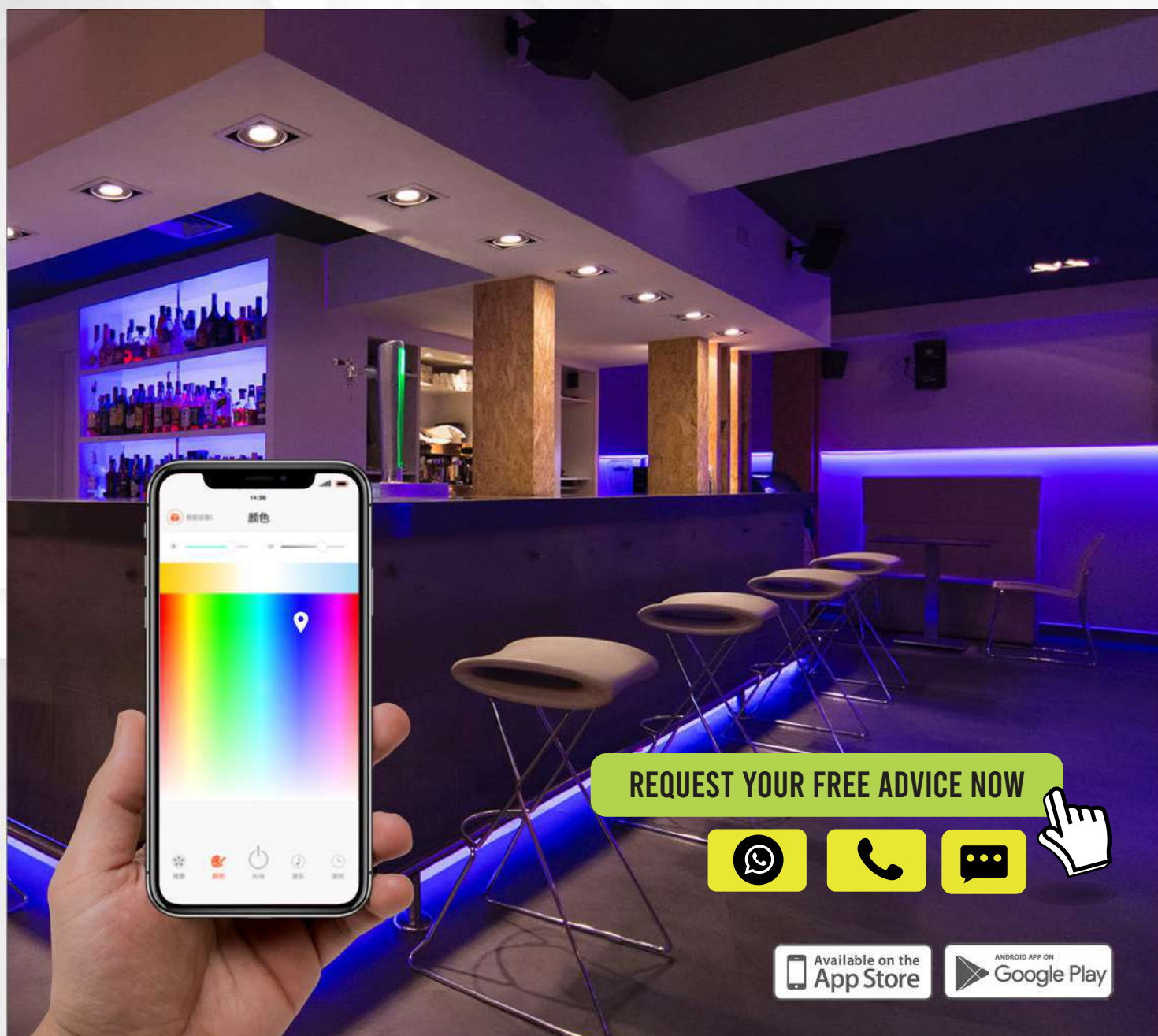
Product Code

ECTL-WF2RC4C3A

Color Format	Channels to Use	Voltage	Rated Power
RGB	R, G, B (Omit W)	12VDC	108W
		24VDC	216W
RGBW	R, G, B, W	12VDC	144W
		24VDC	288W



RoHS



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ANDROID APP ON
Google Play

Dimming Information

There are several ways to control the lighting intensity of LED Strips. **The 2 most common ways are 120V Dimming and Low Voltage Dimming, and both of them can be done with our offered products.**

120V Dimming: this dimming method applies when the LED Strip is desired to be controlled by a dimmer switch normally mounted on a wall. Our dimmable power supplies, and a dimmer switch compatible with Magnetic Low Voltage ("MLV") must be installed to ensure proper operation. To use an existing dimmer switch make sure to check the spec sheet. Additionally, make sure the power load is lower than the dimmer switch can sustain (the value is typically 450W). Dimming performance will vary between dimmers manufactures and models. Recommended MLV dimmers include: Legrand Adorne SoftTap Dimmer ADTP703TUWA, Leviton Decora SureSlide Dimmer 6615-POWW, or Lutron Diva Dimmer DVLV-600PH.

Low Voltage Dimming: This is a different method where any constant voltage power supply can be used as long as it matches the LED Strip operating voltage. A Low Voltage LED Dimmer such as model ECTI-CT1C3A or similar is required in this system, and it must be connected between the power supply and the LED Strip Light. This dimming method allows for bigger power loads if required. Take into consideration that the system cannot be connected to a **Dimmer** Switch. The dimming of the light is controlled by the use of the LED dimmer.

Warranty

Our products are covered under warranty against defects in materials or workmanship as follows:

Indoor LED Strips, waterproof power supplies and dimmable power supplies for a period of five (5) years.

Outdoor LED Strips and enclosed power supplies for a period of three (5) years.

LED Controllers for a period of two (2) years.

Aluminum channels for a period of one (1) years.

Defective parts or a defective product must be returned with the sales receipt as proof of purchase to Seller, or its authorized service providers, as applicable, and proven to be defective upon inspection, will be repaired, or exchanged for a new Product, as determined by Seller, or the authorized service provider. This limited warranty covers all defects encountered in normal use of the Product, and does not apply in the following cases: Loss of or damage to the Product due to acts of God; improper voltage due to improper product selection; electrical current fluctuations; corrosive environment installations; accident; alteration; failure to follow installation, operating, maintenance or environmental instructions. WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

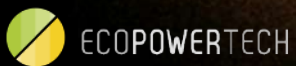
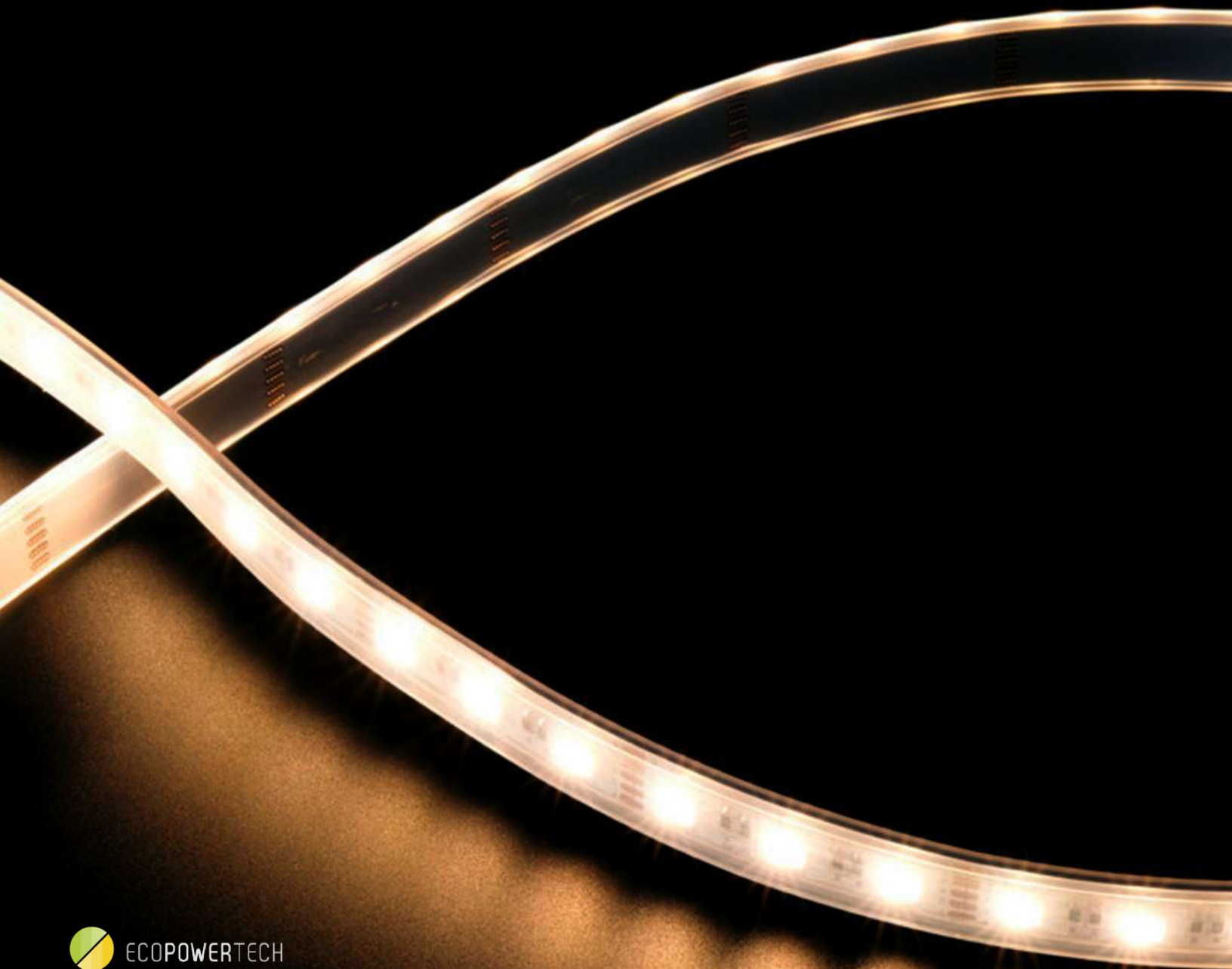
Return, Refund & Exchange

For any RETURN for credit, refund or exchange, items must be in unaltered new condition with original packaging along with the original sales receipt during the established return timeframe. For EXCHANGE or CREDIT request the goods must be brought back or shipped back freight pre-paid and insured within 15 days of original delivery. A 25% restocking fee will be assessed on all items returns after 7 days. Customers can request a REFUND for any purchase except for special orders within 7 days from day of purchase.

Shipping

All in-stock items will be shipped once payment is received between the handling periods. Typically, shipping process will not take more than 24 hours; when a single order results in multiple shipments, the shipping and handling cost will only be charged once (subsequent shipments for the same order do not incur in additional charges). We will not ship to PO boxes. FREE SHIPPING applies to orders over \$499 in Miami-Dade County, and \$999 in other areas in the USA. Shipping Services are limited to areas in Alaska, Hawaii & Puerto Rico Addresses due to domestic shipping restrictions.





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