

CORONA X Series

Lightstrip Features

- Flexible in all directions
- Low and narrow profile
- Socket design allows even wash of light, without hot spots or shadows
- Available in 2.4", 3.0" or 4.0" socket spacing
- Available in ivory or black
- 10-gauge cable takes up to 25 amps, for longer run lengths
- Can be cut to length in field
- Optional lens, parabolic reflector or asymmetric reflector
- ETL Listed for Dry and Damp Location

Lamp Features

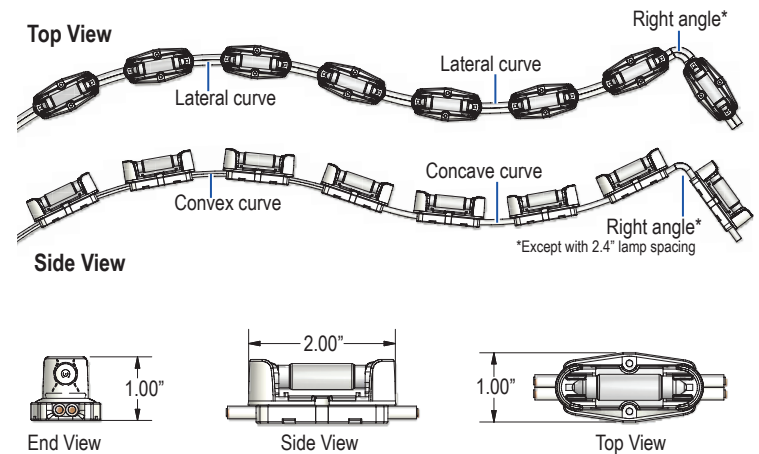
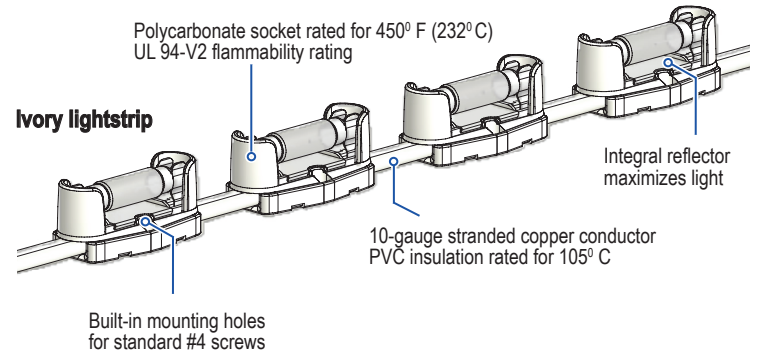
- Replaceable Xenon festoon lamps
- 2800K color temperature
- Longer life than incandescent or halogen (up to 20,000 hours)
- 12V or 24V
- 3W, 5W or 10W lamps

Lamp Specifications



Festoon	Lamp Code	Voltage	Lumens	Color Temp.	Avg. Rated Life
3 W Lamps	FT-24-03	24V	30	2800K	10,000 hrs.
	FT-12-03	12V	20	2800K	20,000 hrs.
5 W Lamps	FT-24-05	24V	40	2800K	15,000 hrs.
	FT-12-05	12V	50	2800K	20,000 hrs.
10 W Lamps	FT-24-10	24V	95	2800K	10,000 hrs.
	FT-12-10	12V	100	2800K	20,000 hrs.

Lightstrip Specifications



Lamp Spacing & Mounting Position

2.4" on center



For shadow-free light in coves & other indirect applications, keep min. distance from illuminated surface.

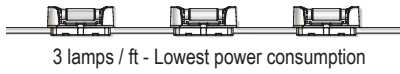
1.5" away

3.0" on center



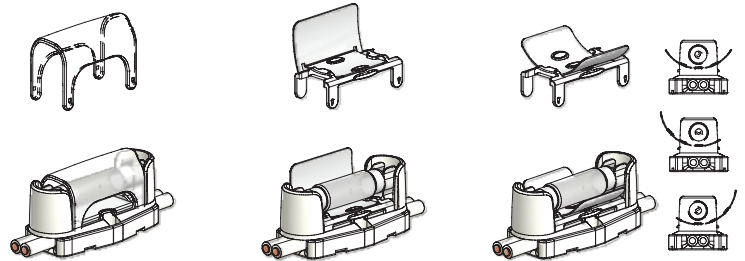
2" away

4.0" on center



3" away

Options



Lens Cover

To prevent direct contact
Clear polycarbonate
For 3W and 5W lamps only

Asymmetric Reflector

To direct light to one side
Specular finish

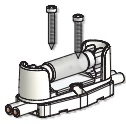
Parabolic Reflector

To focus beam of light
Adjustable to 3 positions
Specular finish

How to Specify CORONA X Series

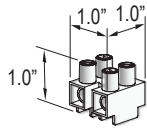
COR -						
	Lightstrip Color		Lamp Type		Voltage	
	I	Ivory	FT	Festoon	24	24 Volts
	B	Black			12	12 Volts
Example					Lamp Wattage	
					03	3 Watts
					05	5 Watts
					10	10 Watts
					Lamp Spacing	
					2.4	2.4" on center
					3.0	3.0" on center
					4.0	4.0" on center
					Options	
	LC	Lens Cover				
	AR	Asymmetric Reflector				
	PR	Parabolic Reflector				
	Leave blank for no options					
COR -	B		FT		24	
					05	
					3.0	

Accessories



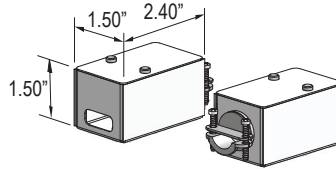
Mounting Screw
COR-MS

Standard #4 screw.
Use 2 per socket.



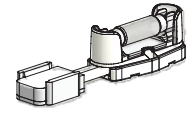
Terminal Block
COR-TB

To connect feed wire from transformer to lightstrip, where conduit not required.



Junction Box
COR-JBI (Ivory)
COR-JBB (Black)

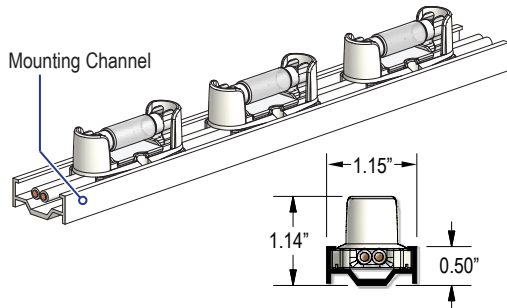
To connect feed wire from transformer to lightstrip, where conduit is required. Accepts 1/2 or 3/8 trade size conduit.



End Cap
COR-ECI (Ivory)
COR-ECB (Black)

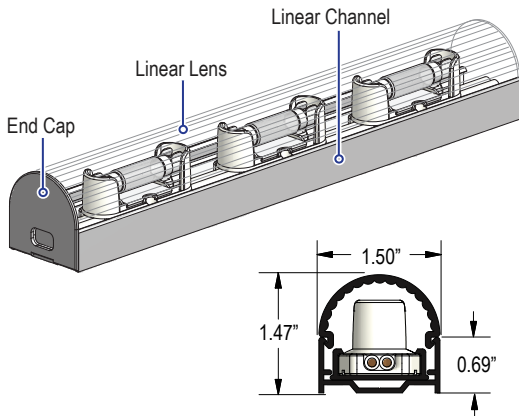
To terminate lightstrip at end of run.

Channels & Lenses



Mounting Channel
COR-MCI (Ivory)
COR-MCB (Black)

To align and mount lightstrip quickly in straight runs. Screw-mount to surface and snap in lightstrip. Eliminates need for screwing down each socket. Made of PVC. Order in 5ft. sections, cut to length.



Linear Lens
COR-CLL (Clear)
COR-OLL (Opaque)

Acrylic lens available in serrated clear or smooth opaque. For use with 3W and 5W lamps only. Order in 5ft sections, cut to length. Requires Linear Channel.

Linear Channel
COR-SC (Satin)
COR-WC (White)
COR-BC (Black)
COR-AC (Polished Aluminum)
COR-GC (Polished Gold)

Aluminum channel for use with Linear Lens. Screw mount to surface, snap in lightstrip, and snap in Linear Lens. Order in 5ft sections, cut to length.

Standard finishes: satin, white or black
Optional: polished aluminum or polished gold.

Add suffix "EC" to above codes to order matching end caps.

Transformers

Specifications

Primary: 120V (60Hz frequency)
Secondary: 24V or 12V (Match lamp selected)
Fusing: Each output protected by 25 amp resettable breaker
Enclosure: NEMA 3R with conduit knockouts
Operating Temp.: -30° to 60° Celsius
Certification: ETL Listed for low voltage lighting
Dimming: Use low voltage dimmer rated for magnetic transformers and with wattage capacity that meets or exceeds capacity of transformer. Connect dimmer on primary side of transformer.

24V Transformers

Item No.	Total Capacity	Outputs	Resettable Breakers	Height	Width	Depth	Weight
CRTF24-600	600W	1 X 600W	1 X 25A	8.5"	5.5"	6.0"	22 lbs
CRTF24-1200	1200W	2 X 600W	2 X 25A	12.5"	7.0"	6.0"	26 lbs

12V Transformers

Item No.	Total Capacity	Outputs	Resettable Breakers	Height	Width	Depth	Weight
CRTF12-300	300W	1 X 300W	1 X 25A	7.0"	5.0"	5.0"	13 lbs
CRTF12-600	600W	2 X 300W	2 X 25A	8.5"	5.5"	6.0"	22 lbs
CRTF12-900	900W	3 X 300W	3 X 25A	10.5"	5.5"	6.0"	28 lbs

Layout & Installation

Maximum Runs

The CORONA lightstrip uses a 10 gauge conductor, rated for a maximum load of 25 amps. Therefore, all runs must be laid out so that no single run exceeds 25 amps. Using 24 volts, this converts to a maximum of 600 watts per run. At 12 volts, the maximum is 300 watts per run.

How this maximum translates into linear feet or number of lamps depends on three factors: lamp voltage, lamp wattage and lamp spacing. Refer to the chart to determine the maximum run length per 25 amp circuit, based on the lamp and spacing desired. Multiple sections of lightstrip may be daisy-chained together, so long as the total length does not exceed the maximum run.

24V lamps

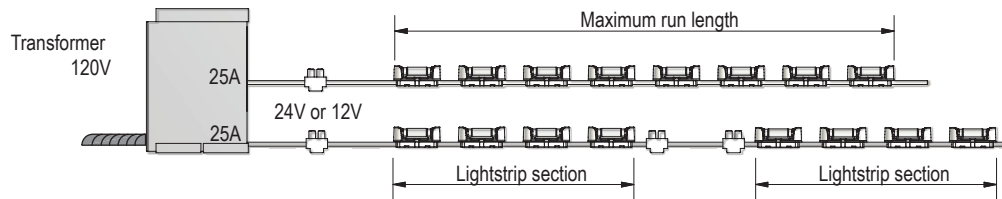
Maximum Run per 25 Amps

	2.4" spacing	3.0" spacing	4.0" spacing
3 watts	40 feet (200 lamps)	50 feet (200 lamps)	66 feet (200 lamps)
5 watts	24 feet (120 lamps)	30 feet (120 lamps)	40 feet (120 lamps)
10 watts	12 feet (60 lamps)	15 feet (60 lamps)	20 feet (60 lamps)

12V lamps

Maximum Run per 25 Amps

	2.4" spacing	3.0" spacing	4.0" spacing
3 watts	20 feet (200 lamps)	25 feet (200 lamps)	33 feet (200 lamps)
5 watts	12 feet (120 lamps)	15 feet (120 lamps)	20 feet (120 lamps)
10 watts	6 feet (60 lamps)	7.5 feet (60 lamps)	10 feet (60 lamps)



CORONA transformers have secondary outputs rated for the maximum load of 25 amps per circuit. The largest 24V transformer accommodates two 25 amp circuits. The largest 12V transformer accommodates three. To select the appropriate transformer(s), simply calculate how many 25 amp circuits are required to power the entire application.

Transformer Location

All transformers must be located in accessible areas with adequate ventilation and must be mounted to a secure surface.

Wiring

Use at least 10 gauge wire to connect the transformer to the lightstrip. If the transformer is remote, use a larger gauge wire to avoid voltage drop.

Use the CORONA Terminal Block to connect the feed wire from the transformer to the lightstrip. Where wiring requires conduit, use the CORONA Junction Box.

Combustible Surfaces

CORONA lightstrips using 3W or 5W lamps must be installed at least 1" away from any combustible surface. When using 10W lamps, install the lightstrip at least 2" away.