CORONA Z Series

CORONA Lightstrip Features

- Flexible cable allows lightstrip to bend in all directions, ideal for curvilinear architectural spaces
- Low profile provides discreet light source for smaller applications
- Available in ivory or black
- Available in 2.4" or 3.0" lamp spacing
- Polycarbonate lampholders are rated for 450°F (232°C) with UL 94-V2 flammability rating
- Lampholders include mounting holes for standard #4 screws
- 10-gauge stranded copper conductor has PVC insulation rated for 105°C
- Lightstrip can be cut to length in field, for ease of ordering and installation
- ETL Listed for Dry and Damp Location

ZETA Lamp Features

Optical Characteristics

- Provides 40 lumens per lamp (57 lumens per watt)
- 120° wide beam angle minimizes hot spots and socket shadows, creating even illumination
- Tight color-binning of LEDs ensures uniformity of color
- 2400K warm white emulates incandescent light
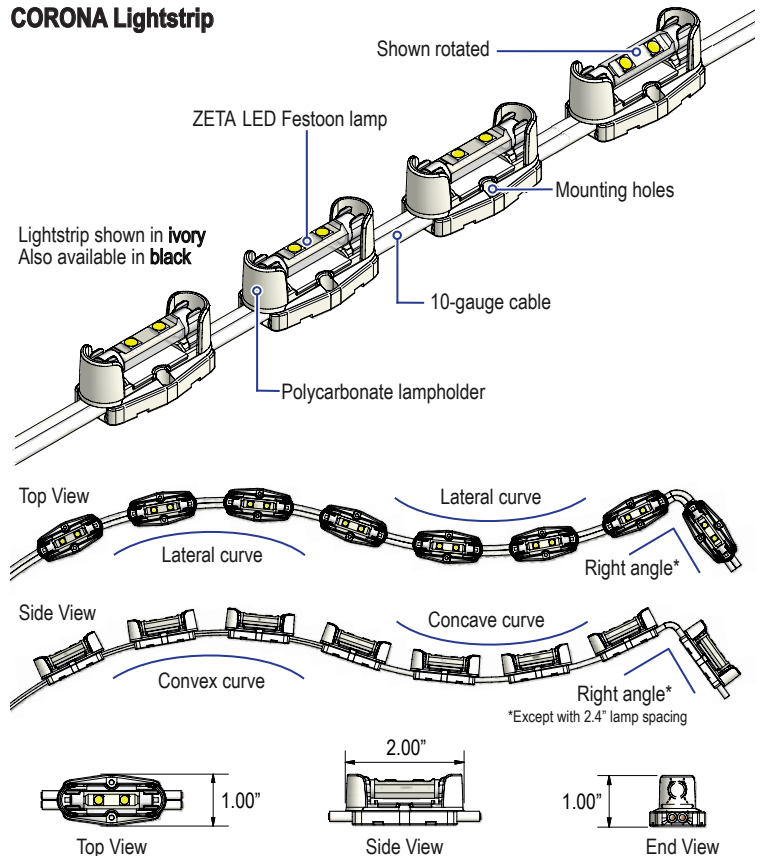- 2900K warm white emulates halogen light
- Emits no UV and no IR

Electrical Specifications

- Consumes only 0.7W per lamp
- Runs on 24V AC (Use with available Power Supply)
- Dimmable with most standard magnetic low voltage dimming systems
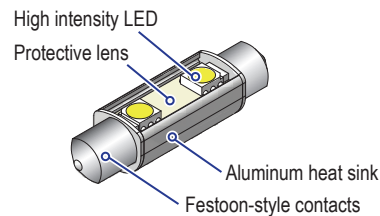- Certified for closet light applications in accordance with NEC Code, Section 410.16

Heat Management and Rated Life

- 0.03 Amp operating current of LED generates less heat, which is further dissipated by aluminum heatsink
- Low operating current and effective heat management protect LED life
- Rated life is 50,000 hours, with minimum 70% lumen maintenance, when used in normal environmental conditions
- Long life results in low maintenance and replacement costs
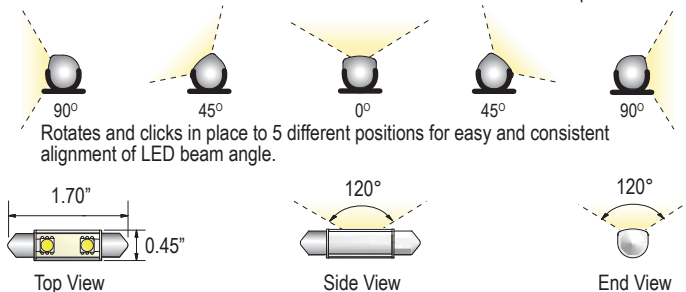- Produces no radiant heat; optimal for heat-sensitive applications

CORONA Lightstrip

Shown rotated

ZETA LED Festoon lamp

Mounting holes

Lightstrip shown in **ivory**
Also available in **black**

10-gauge cable

Polycarbonate lampholder

Top View

Lateral curve

Lateral curve

Right angle*

Side View

Concave curve

Convex curve

Right angle*
*Except with 2.4" lamp spacing

2.00"

1.00"

1.00"

Top View   Side View   End View

ZETA LED Festoon Lamp

High intensity LED

Protective lens

Aluminum heat sink

Festoon-style contacts

- 40 lumens per lamp
- 57 lumens per watt
- 120° beam angle
- 0.7 watts per lamp
- 24V AC/DC
- 50,000 hrs rated life
- 2400K warm white
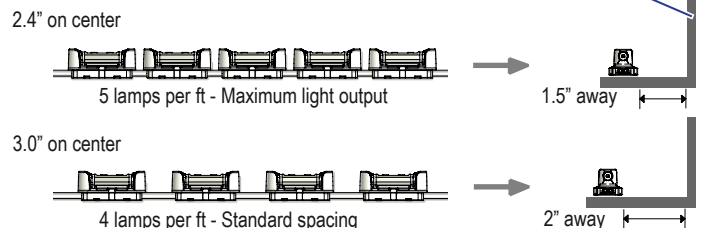- 2900K warm white
- Retrofits into standard festoon strips

90°   45°   0°   45°   90°

Rotates and clicks in place to 5 different positions for easy and consistent alignment of LED beam angle.

1.70"

0.45"

120°

120°

Top View   Side View   End View

How to Specify CORONA Z Series

COR -   ☐   -   ☐   -   ☐

CORONA Lightstrip Color		ZETA LED Festoon Lamp		Lamp Spacing	
I	Ivory	Z24	2400K Warm white	2.4	2.4" on center
B	Black	Z29	2900K Warm white	3.0	3.0" on center

Eg.

COR -   **B**   -   **Z29**   -   **3.0**

Lamp Spacing & Mounting Position

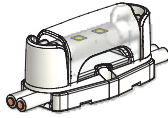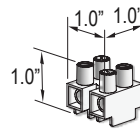For shadow-free light in coves and other indirect applications, keep minimum distance from illuminated surface.

Illuminated surface

2.4" on center

5 lamps per ft - Maximum light output

1.5" away

3.0" on center

4 lamps per ft - Standard spacing

2" away

Accessories

Lens Cover
COR-LC

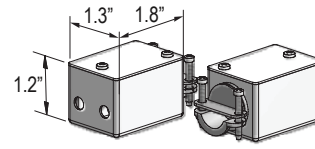To prevent direct contact
Clear polycarbonate

Mounting Screw
COR-MS

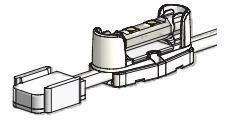Standard #4 screw.
Use 2 per socket to
mount lightstrip to
surface.

0.75"

Terminal Block
COR-TB

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

1.0" 1.0"
1.0"

Junction Box (Terminal Block included)
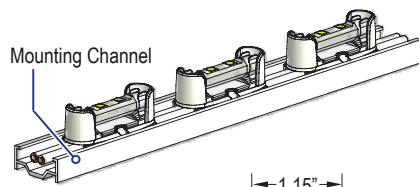COR-JBI (Ivory)
COR-JBB (Black)

To connect feed wire from power supply
to lightstrip, where conduit is required.
Accepts 1/2 or 3/8 trade size conduit.
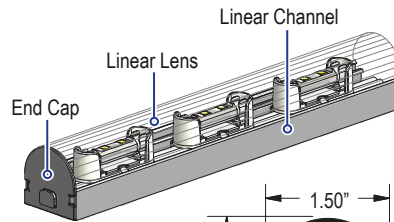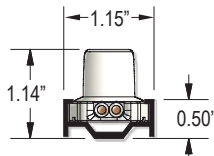
1.3" 1.8"
1.2"

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

To terminate lightstrip at
end of run.
Snaps onto lightstrip.

Channels & Lenses

Mounting Channel

Linear Channel

Linear Lens

End Cap

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

1.15"
1.14"
0.50"

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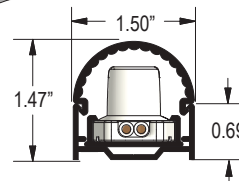Made of PVC. Order in 5ft. sections, cut to length.

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

1.50"
1.47"
0.69"

Acrylic lens available in serrated clear or smooth
opaque. Order in 5ft sections, cut to length.
Requires Linear Channel.

Linear Channel
COR-SC (Satin)
COR-WC (White)
COR-BC (Black)

Aluminum channel for use with Linear Lens.
Screw mount to surface, snap in lightstrip, and
snap in Linear Lens.

Standard finishes: satin, white or black

Order in 5ft sections, cut to length.

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

Power Supplies

Ratings

Input: 120VAC or 277VAC 50/60Hz
Output: 24VAC
Output current: 4 Amps per output circuit
Maximum output power: 100W or 300W
Overload protection: Automatic shut-down / reset
Enclosure: NEMA 3R, with conduit knockouts
Operating temperature: -30° to 60° Celsius
Certification: ETL Listed Class 2 Power Supply
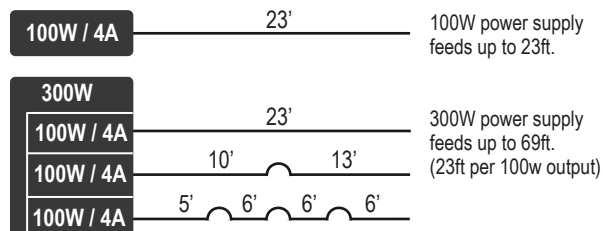Dimming: Compatible with most standard magnetic low-voltage dimmers, wired to input side

Mount to secure surface in accessible area with adequate ventilation.
To minimize volatage drop, install power supply within 20ft of start of LED strip using 12 gauge lead wire,
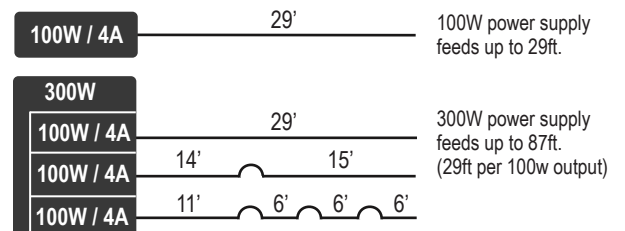40ft using 10 gauge, or 100ft using 8 gauge.

Ordering Codes

Item Number	Watts	Volts	Outputs	Dimensions	Weight
APS-120-100	100 W	120VAC to 24VAC	1 X 4A	6.75" H x 6.25" W x 4.75" D	11 lbs
APS-277-100	100 W	277VAC to 24VAC	1 X 4A	6.75" H x 6.25" W x 4.75" D	11 lbs
APS-120-300	300 W	120VAC to 24VAC	3 X 4A	6.75" H x 6.25" W x 4.75" D	12 lbs
APS-277-300	300 W	277VAC to 24VAC	3 X 4A	6.75" H x 6.25" W x 4.75" D	15 lbs

How to Feed CORONA Z Series

2.4" spacing (Maximum 23ft per run)

| 100W / 4A | 23' | 100W power supply feeds up to 23ft. |

300W		
100W / 4A	23'	300W power supply feeds up to 69ft.
100W / 4A	10' 13'	(23ft per 100w output)
100W / 4A	5' 6' 6' 6'	

Multiple sections of lightstrip may be daisy-chained together, so
long as total length of run does not exceed 23ft.

3.0" spacing (Maximum 29ft per run)

| 100W / 4A | 29' | 100W power supply feeds up to 29ft. |

300W		
100W / 4A	29'	300W power supply feeds up to 87ft.
100W / 4A	14' 15'	(29ft per 100w output)
100W / 4A	11' 6' 6' 6'	

Multiple sections of lightstrip may be daisy-chained together, so
long as total length of run does not exceed 29ft.