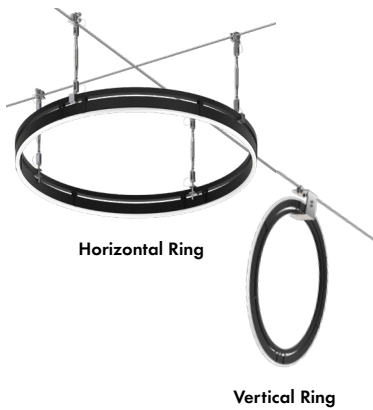
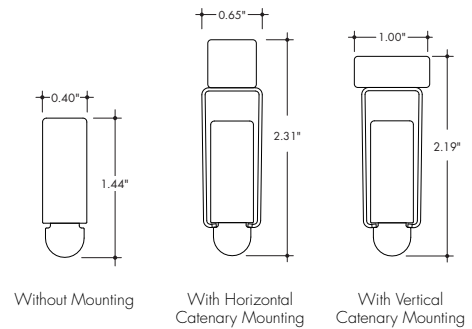


# Plexineon Rings Catenary Mount

Static White and Monochrome Colors



- For interior and exterior accent lighting
- Neon look providing a clear line of light visible for miles
- Includes Turnbuckles, Collar, Mounting Frame, Mounting Clips, and other hardware necessary to assemble to Catenary Cable
- Catenary Cable, Poles, Cable Eyes, and other Cable support hardware by others
- Operating Temperature: -40° F to 140° F (-40° C to 60° C)
- 24VDC Class 2
- IK10 and 3G rated
- IP67 rated. IP68 rating available upon specific request
- 5 year warranty indoor, 3 year warranty outdoor



## Technical Information

RING OUTER DIAMETER* (inch)	Plexineon Static White (30K)	Plexineon Monochrome Colors					
		Red	Blue	Green	Magenta	Teal	Yellow
WAVELENGTH	N/A	622 nm	468 nm	525 nm	567 nm	486 nm	563 nm
EFFICACY	39 lm/W	12.1 lm/W	8.1 lm/W	33.8 lm/W	9.2 lm/W	20.9 lm/W	23.2 lm/W
Ø36 (Ø3ft)	Lumen Output	1159 lm	132 lm	104 lm	471 lm	226 lm	565 lm
	Power Consumption	30.2 W	11.3 W	13.2 W	14.1 W	24.5 W	25.4 W
Ø72 (Ø6ft)	Lumen Output	2318 lm	264 lm	207 lm	942 lm	452 lm	1131 lm
	Power Consumption	60.3 W	22.6 W	26.4 W	28.3 W	49.0 W	50.9 W
Ø144 (Ø12ft)	Lumen Output	4637 lm	528 lm	415 lm	1885 lm	905 lm	2262 lm
	Power Consumption	120.6 W	45.2 W	52.8 W	56.5 W	98.0 W	101.8 W
Ø288 (Ø24)	Lumen Output	9274 lm	1056 lm	829 lm	3770 lm	1810 lm	4524 lm
	Power Consumption	241.3 W	90.5 W	105.6 W	113.1 W	196.0 W	218.7 W

\*Rings will be made of equal sections no longer than 96" arc length. Rings exceeding 96W will have allowances for additional power feeds.

CCT	Multiplier (reference - 3000K)	TM-30		
		CRI	R <sub>f</sub>	R <sub>g</sub>
2700K	0.94	90	88	97
3000k	1.00	90	87	97
3500k	1.02	90	87	97
4000k	1.02	90	84	92

## Ordering Code

MODEL	RING DIAMETER <sup>1</sup>	RING TYPE	CCT	OUTPUT	LENS	MOUNTING	FINISH	POWERFEED POSITION/TYPE
PX-Plexineon	____ - Ring diameter in inches, 6"-144" (12ft)	HR - Horizontal Ring VR - Vertical Ring <sup>2</sup>	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K B - Blue G - Green T - Teal Y - Yellow R - Red M - Magenta	SO - Standard	F - Frosted	CD - Catenary Mount, Decorative Clips <sup>3</sup>	GG - Gloss Grey BK - Matte Black GY - Matte Grey WH - Matte White	B-4 - Male Quick Connect One End, Female Quick Connect Other End

1. Rings will be made of equal sections no longer than 96" arc length. Tolerance on size of diameter is +/- 1".  
2. Vertical Ring max diameter is 72", min diameter is 16"

3. Catenary Mount fixtures include a fixture mounting frame and all mounting components necessary to attach to Catenary Cable (by others). 2 mounting clips included for every 12" of diameter, with a minimum of 3 clips. Mounting frames over dia48" are ship in multiple pieces and are assembled on site. Decorative Clips match the fixture finish.

# Plexineon Rings Catenary Mount

Static White and Monochrome Colors



## Finish Options

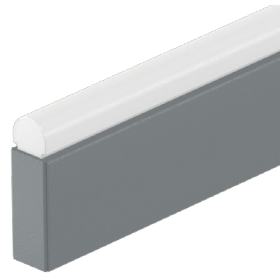
**BK**  
Matte Black Finish



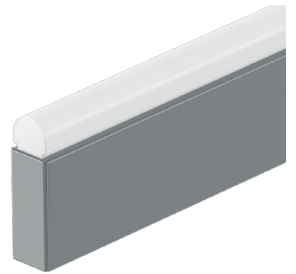
**WH**  
Matte White Finish



**GY**  
Matte Grey Finish



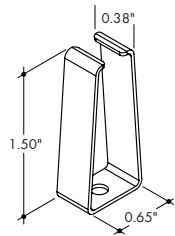
**GG**  
Gloss Grey Finish



## Mounting Components

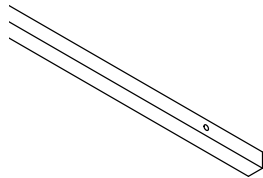
**CD**

Catenary Mount, Decorative Clip



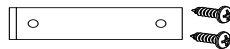
Thinner clip with finish options to match fixtures

Mounting Frame



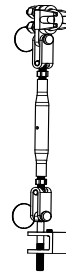
Mounting clips are riveted at the factory to the Mounting Frame. Finish matches Ordering Code Finish selected

Mounting Frame Joiner



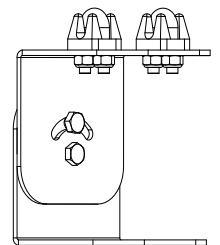
Assembles Mounting Frame together for runs over 96" (8ft)

Adjustable Turnbuckle



Able to adjust up to 2.5" vertically

Adjustable Collar



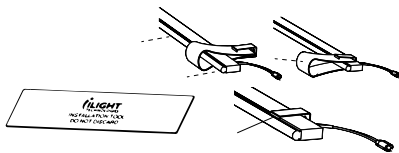
For vertical catenary rings

## Additional Material

- Ordered separately.

**70-TOL02-001-01**

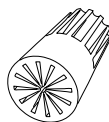
Mounting Clip  
Installation Tool



Use for installation of Plexineon into Mounting Clips

**60-12-22AWGSBWN**

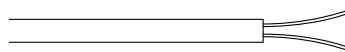
Weatherproof Wire Nut  
Silicone Filled



Order 2 per Power Supply

**55-STW02-050-00**

50 ft of 14 gauge wire Black jacket,  
2 conductors



Sunlight, moisture resistant, and flame retardant PVC jacket per UL 1277

# Plexineon Rings

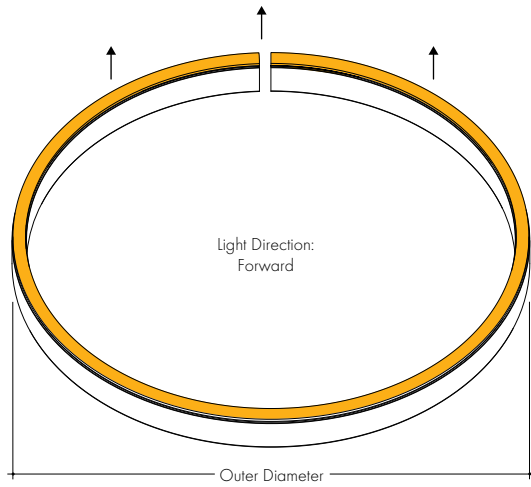
## Catenary Mount

Static White and Monochrome Colors

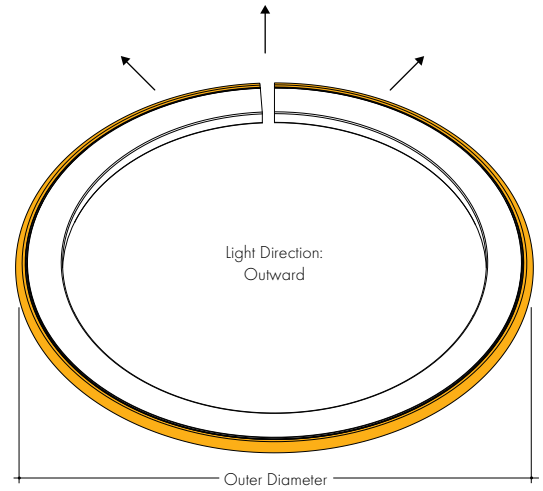


### Ring Types

**HR**  
Horizontal Ring



**VR**  
Vertical Ring



# Plexineon Rings Catenary Mount

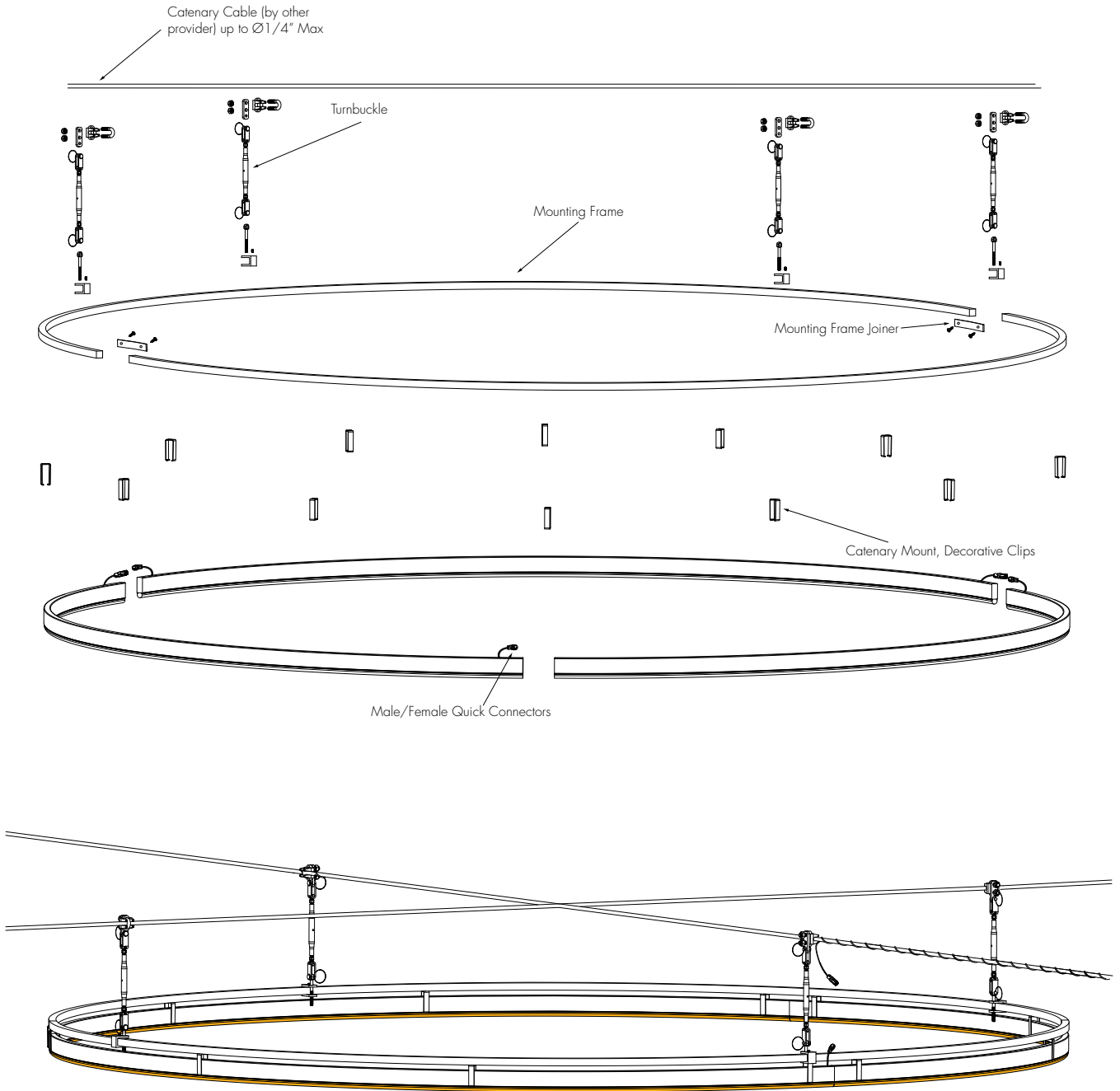
Static White and Monochrome Colors



## Sample Layout

**PX-72-HR-30K-SO-F-CD-GG-B-4**

Plexineon Horizontal Ring, Catenary Mount, Decorative Clips

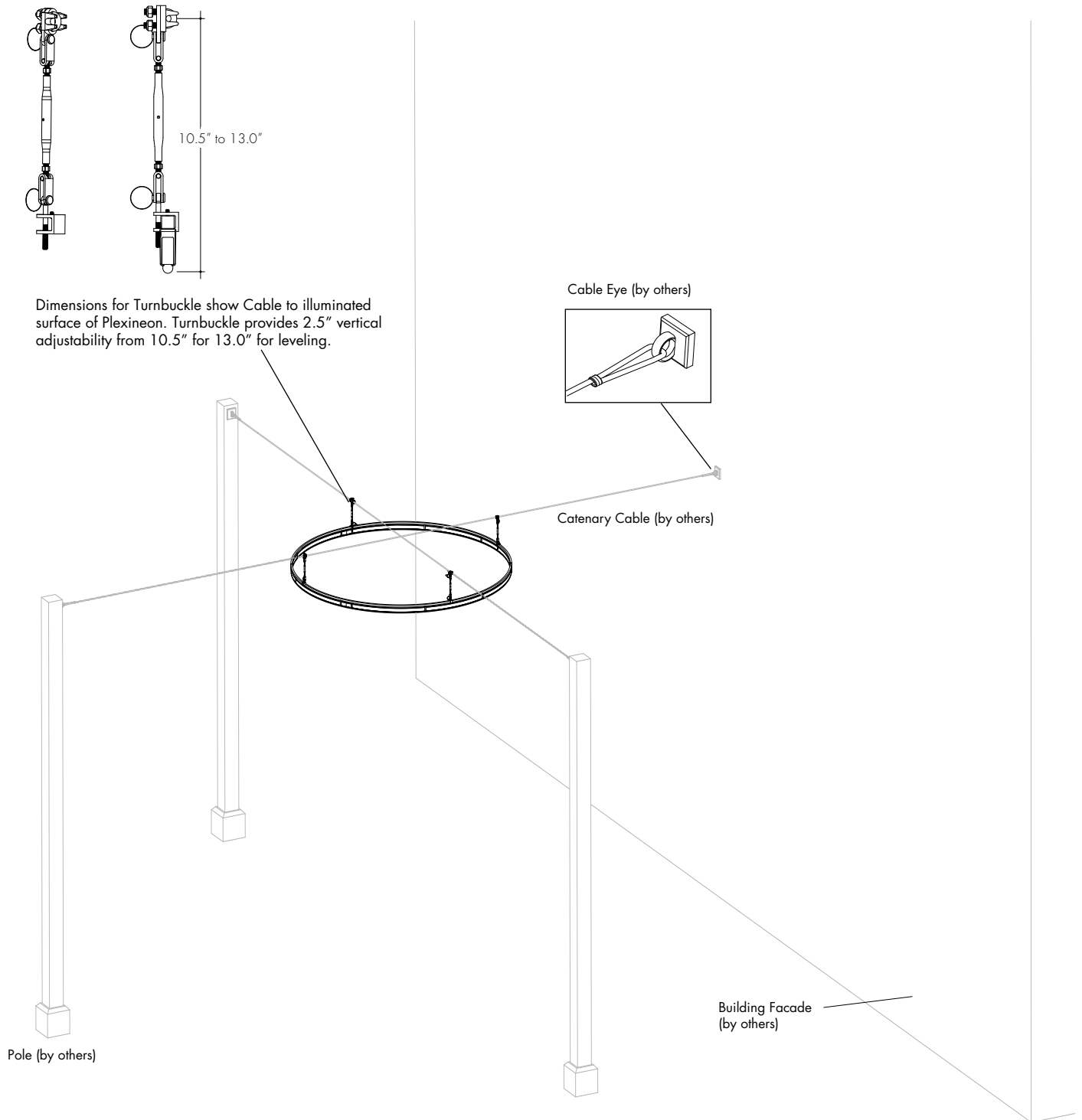


# Plexineon Rings Catenary Mount

Static White and Monochrome Colors

## Sample Layout

- Horizontal Ring



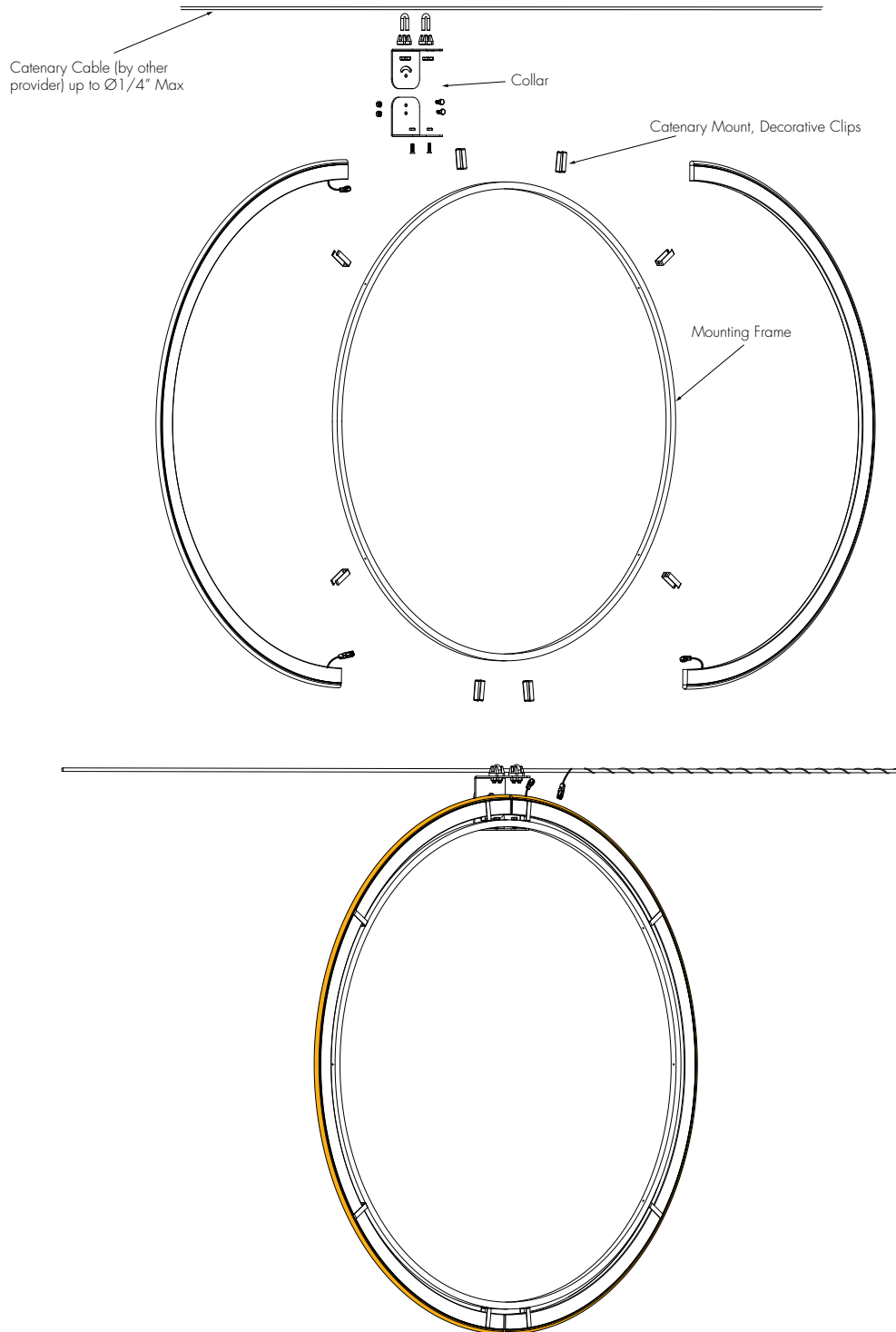
# Plexineon Rings Catenary Mount

Static White and Monochrome Colors

## Sample Layout

**PX-36-VR-30K-50-F-CD-GG-B-4**

Plexineon Vertical Ring, Catenary Mount, Decorative Clips

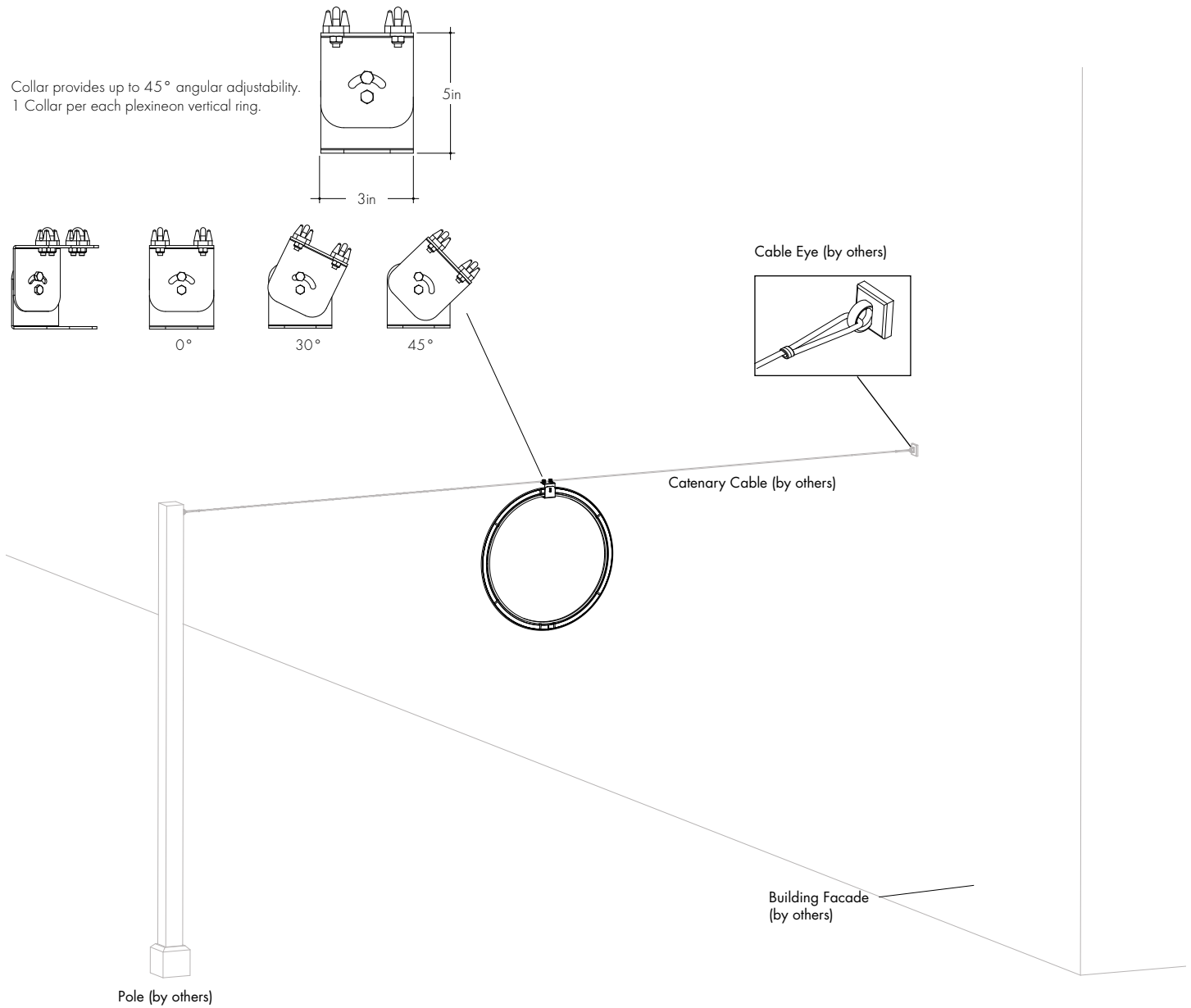


# Plexineon Rings Catenary Mount

Static White and Monochrome Colors

## Sample Layout

- Vertical Ring



# Plexineon Rings Catenary Mount

Static White and Monochrome Colors



ilight  
by luminii

## Common Applications

Custom Indoor Designs | Coves | Signs | Building Facades | Lobbies | Hallways | Statement Pieces | Restaurants  
Corporate Offices | Schools | Residential Towers | Parking Garages | Hotels | Bridges | Benches | Airports





# Plexineon Rings Catenary Mount

Static White and Monochrome Colors



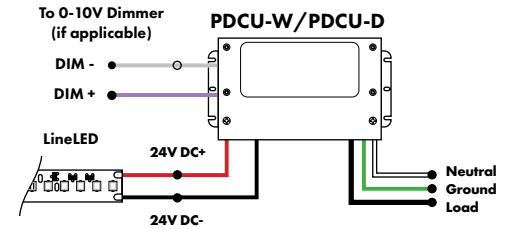
## Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see [Compatible Dimming Chart](#) on the Resources page.

### Universal Power Supply 1% 120VAC - 277VAC

MODEL	POWER	OUTPUT
PDCU-D - IP20 Dry Series	30 - 30 W 60 - 60 W 96 - 96 W 3X96 - 3X96 W	24 - 24 VDC
PDCU-W - IP66 Wet Series	96 - 96 W 3X96 - 3X96 W	

0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.  
For a complete list of compatible dimmers, see [Compatible Dimming Chart](#) on the Resources page.

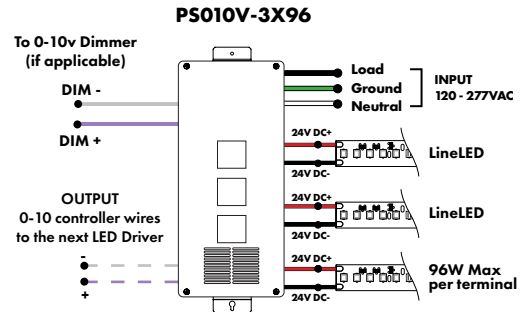
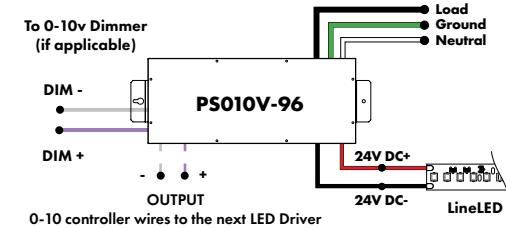


MODELS	PDCU-W 96W	PDCU-W 3X96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W	PDCU-D 3X96W
<b>Length</b>	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
<b>Width</b>	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
<b>Depth</b>	1.61"	1.81"	1.33"	1.32"	1.56"	1.13"

### 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING
PS010V - 0-10V Power Supply dims down to 0.1%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC	LIN - Linear LOG - Logarithmic

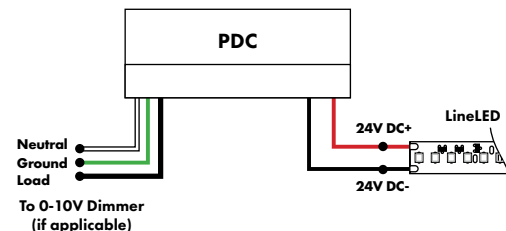
MODELS	96W	3X96
<b>Length</b>	14.40"	15.75"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.95"



### Triac, MLV, & ELV Compatible Dimmers

MODEL	POWER	OUTPUT
PDC - (IP20) Power Supply	96 - 96 Watts	24 - 24 VDC

MODELS	96W
<b>Length</b>	8.25"
<b>Width</b>	4.10"
<b>Depth</b>	1.56"



# Plexineon Rings Catenary Mount

Static White and Monochrome Colors



## Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

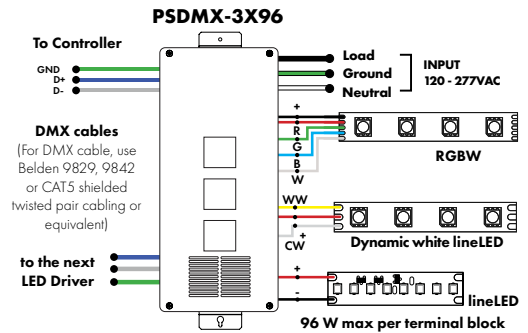
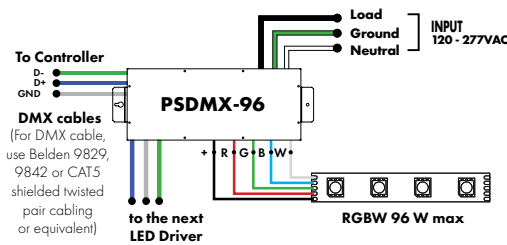
### DMX Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDMX	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

PSDMX - DMX Power Supply dims down to 0%

Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"



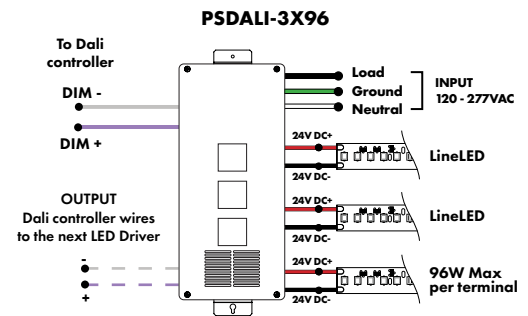
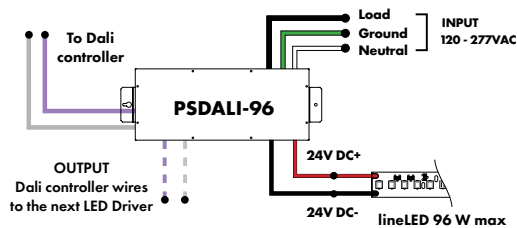
### DALI 0% Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDALI	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

PSDALI - DALI Power Supply dims down to 0%

Features eldoLED's LINEARdrive configurable dimmable drivers

Model	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"

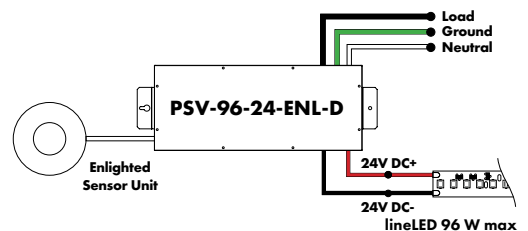


### Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ENL - Enlighted Dimming dims down to 0%	D - Damp

PSV - PSV Series 96 - 96 Watt 24 - 24 VDC ENL - Enlighted Dimming dims down to 0% D - Damp

Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"



# Plexineon Rings Catenary Mount

Static White and Monochrome Colors



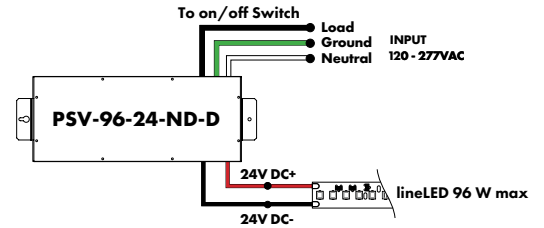
## Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

### Non-Dimming Power Supply 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	U2ND - Non Dimming	D - Damp

MODELS	96W
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"



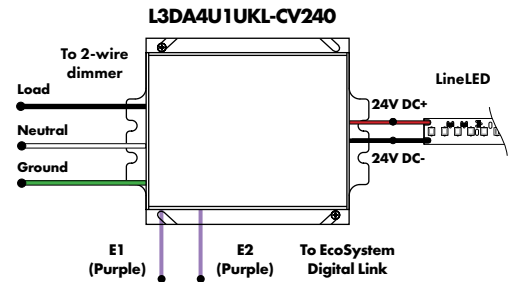
## LUTRON®

Luminii is a Lutron OEM Advantage Partner

### Lutron Power Supplies 1%

MODEL
<b>L3DA4U1UKL-CV240</b>
HiLume™ 1% EcoSystem Voltage LED driver 40W max

MODELS	L3DA4U1UKL-CV240
<b>Length</b>	4.98"
<b>Width</b>	4.00"
<b>Depth</b>	2.62"



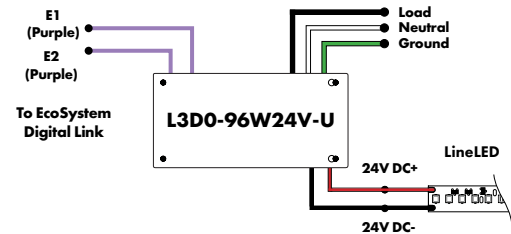
## LUTRON®

Luminii is a Lutron OEM Advantage Partner

### Lutron Power Supplies 0.1%

MODEL
<b>L3D0-96W24V-U</b>
HiLume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™ 96W max

MODELS	L3D0
<b>Length</b>	10.50"
<b>Width</b>	5.50"
<b>Depth</b>	2.00"



### In-Ground Power Supplies

MODEL	POWER	OUTPUT	INPUT
IG - In ground CVE Series CVE - ELV Dimming DALI - eldoLED Dali dimming Both dims down to 0%	96X2 - 2 X 96 Watt	24 - 24 VDC	Blank - 120 V 277 - 240/277 V

MODELS	Dual Circuit
<b>Length</b>	8.40"
<b>Width</b>	8.30"
<b>Depth</b>	8.10"

