Plexineon Surface Mount

Static White and Monochrome Colors

ilight by luminii

Factory Bend

Straight Run

- Easy to install, for interior and exterior accent lighting
- Neon look providing a crisp, clear line of light visible for miles
- Creative freedom to make stunning designs, rigid construction maintains factory formed shame
- Mounting clips are included in the appropriate quantities
- 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

1.48" 0.52"
Straight Run

1.44" 0.40"
Field/Factory Bend

1.50" 1.81" 0.65"
In Mounting Clip

3G IP67 IK10 c UL us LISTED CE
MADE IN U.S.A RoHS Single Bin +/-30 CCT DIM
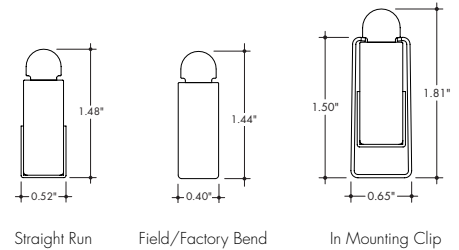
Technical Information

MODEL	Plexineon Static White (30K)	Plexineon Monochrome Colors					
		Red	**Blue**	**Green**	**Magenta**	**Teal**	**Yellow**
OUTPUT OPTIONS		SO					
Lumens Output (3000K)	123 lm/ft	14 lm/ft	11 lm/ft	50 lm/ft	24 lm/ft	60 lm/ft	62 lm/ft
Average Power Consumption (for a 4' section)	3.2 W/ft	1.2 W/ft	1.4 W/ft	1.5 W/ft	2.6 W/ft	2.9 W/ft	2.7 W/ft
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
Cut Increment		1.97"					
Max Run Length (in series)	30 ft	32ft	32ft	32ft	32ft	32ft	32ft

CCT	Multiplier (reference - 3000K)	TM-30		
		CRI	R_f	R_g
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	RUN LENGTH[1]	BEND	CCT	OUTPUT	LENS	MOUNTING[4]	FINISH	POWERFEED POSITION/TYPE	QUOTE NUMBER[6]

PX - Plexineon

___ - Run length in inches, 6" min, no max run length

SR - Straight Run
FB - Field Bendable[2]
EB - Factory Bend, Side/Easy Bend[3]
HB - Factory Bend, Top/Hard Bend[3]

27K - 2700K
30K - 3000K
35K - 3500K
40K - 4000K
B - Blue
G - Green
T - Teal
Y - Yellow
R - Red
M - Magenta

SO - Standard

F - Frosted

SM - Surface Mount, Standard Clips
SML - Surface Mount, L-Tab Clips
SMS - Surface Mount, S-Tab Clips
SMV - Surface Mount, Vertical Clips
SMD - Surface Mount Decorative Clips[5]

GG - Gloss Grey
BK - Matte Black
GY - Matte Grey
WH - Matte White

B-4 - Male Quick Connect One End, Female Quick Connect Other End[3]

(Leave Blank) - For SR or FB
_____ - Quote Number entered by Inside Sales used for Factory Bends and Custom Drawings

1. Static White and Monochrome colors are available in 2" increments, +/- ½" tolerance. Run Lengths over 96" (8ft) will be made of equal sections no longer than 96".
2. Field Bendable ships as straight sections which can be bent down to 72" radius min. Field Bendable sections do not include rigid c-channel and may not maintain straightness without appropriately placed mounting clips.
3. Factory Bends require an Image or Drawing input at time of Quote to calculate total linear/arc length. Factory Bends require a Custom Drawing submittal at time of Order. Allow 2 weeks (typical) for Custom Drawing generation/confirmation process.
4. Standard mounting clip included approximately every 30" of linear/arc length.
5. Decorative Clips match the fixture finish, included approximately every 18" of linear/arc length.
6. Quote Number correlates the Quote to the Custom Drawing. If a single Quote includes different designs having the same length, add -1, -2, -3, etc. to the end of the Quote Number for each unique configuration.

Corner Dimensions

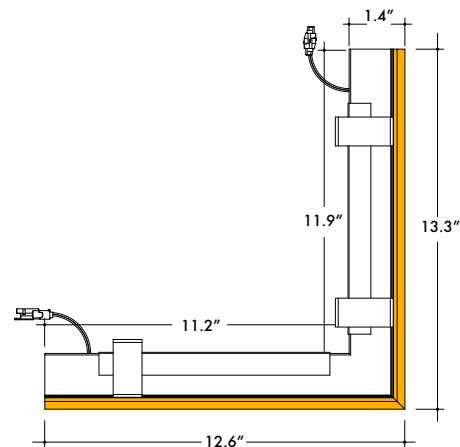**IC-SR**
Inside Corner

1.4"

12.1"
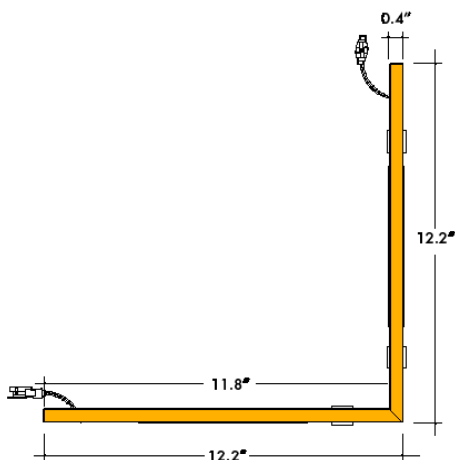
10.7"

12.1"

OC-SR
Outside Corner

1.4"

11.9"

13.3"

11.2"

12.6"
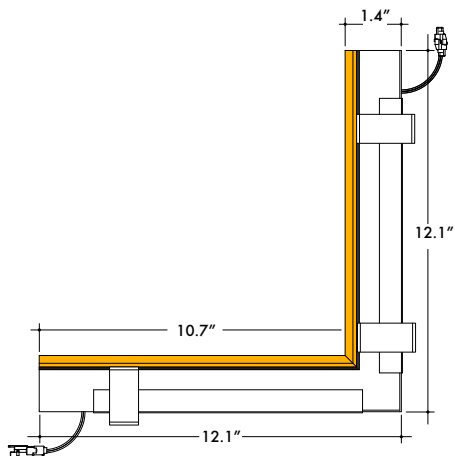
Note: Outside Corner legs are asymmetric, male connector is on the longer end, female connector is on the shorter end.

HC-SR
Horizontal Corner

0.4"

12.2"

11.8"

12.2"

Ordering Code

MODEL	CORNER[1]	CCT	OUTPUT	LENS	MOUNTING[1]	FINISH	POWERFEED POSITION/TYPE
PX - Plexineon	IC-SR - Inside Corner OC-SR - Outside Corner HC-SR - Horizontal Corner	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K B - Blue G - Green T - Teal Y - Yellow R - Red M - Magenta	SO - Standard	F - Frosted	SM - Surface Mount, Standard Clips SML - Surface Mount, L-Tab Clips SMS - Surface Mount, S-Tab Clips SMV - Surface Mount, Vertical Clips SMD - Surface Mount Decorative Clips[2]	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. Corners include 3 mounting clips.
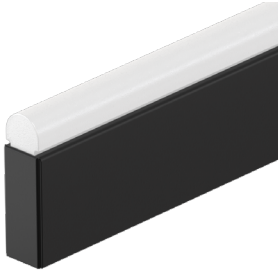2. Decorative Clips match the fixture finish.

Plexineon Surface Mount

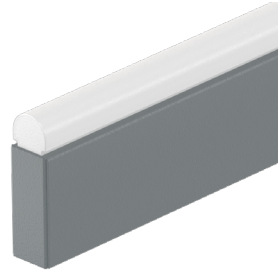## Static White and Monochrome Colors
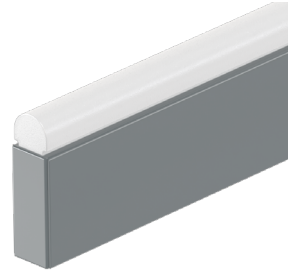
Finish Options

BK
Matte Black Finish

WH
Matte White Finish

GY
Matte Grey Finish

GG
Gloss Grey Finish

Mounting Clips

- Mounting Clips are included with Plexineon runs in the appropriate quantity, every 30" of linear/arc length for Standard Clips and every 18" of linear/arc length for Decorative Clips.
- Standard Clips have a stainless steel finish, Decorative Clip finishes match the fixture finishes.
- Standard Clip mounting hole is Ø 0.2", Decorative Clip mounting hole is Ø 0.16".

SM
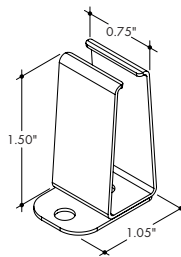**75-CLP16-001-00**
Surface Mount, Standard Clip
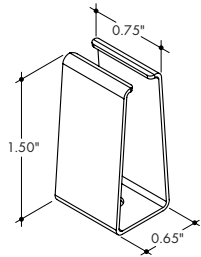
Used for mounting direct to surfaces

SML
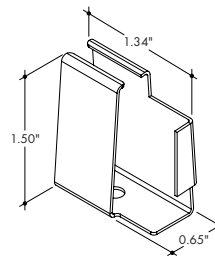**75-CLP15-001-00**
Surface Mount, L-Tab Clip
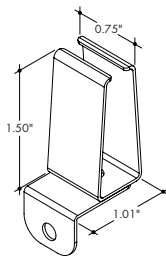
Used for mounting to adjacent surfaces

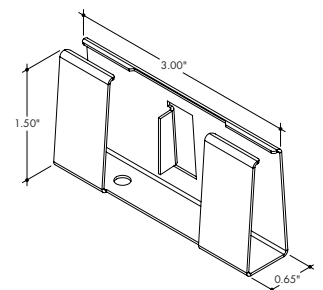**SMS**
75-CLP17-001-00
Surface Mount, S-Tab Clip

Used for to reduce install time and mounting direct to surfaces with fixture pre-assembled to clips
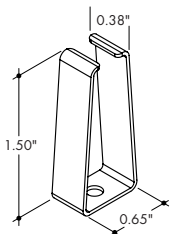
SMV
75-CLP20-001-00
Surface Mount, Vertical Clip

Used to hold fixtures in a vertical orientation

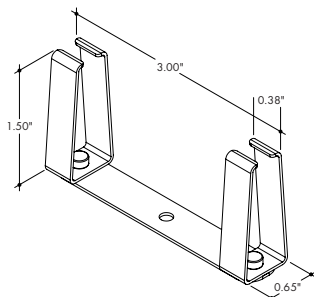**75-CLP19-001-00**
Surface Mount, Standard Joiner Clip

Used to join two fixtures together

SMD
75-CLP36-001-0X
Surface Mount, Decorative Clip

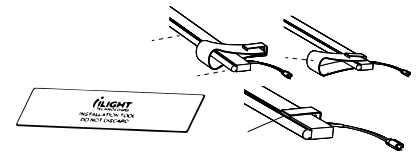Thinner clip with finish options to match fixtures

75-CLP37-001-0X
Surface Mount, Decorative Joiner Clip

Thinner clip with finish options to match and join two fixtures together for a continuous run

0X	Clip Finish	
00		Stainless Steel
01		Matte Black
02		Matte Grey
03		Matte White

70-TOL02-001-01
Mounting Clip Installation Tool

Use for installation of Plexineon into Mounting Clips

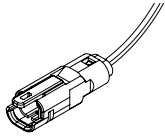## Additional Material

- Connectors are included in the Plexineon runs per CCT option selected. Order extras as desired.

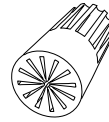| **60-H-0001-08**	**60-H-0002-08**	**60-12-22AWGSBWN**	**55-STW02-050-00**
Female Quick Connect with flying leads	Male Quick Connect with flying leads	Weatherproof Wire Nut Silicone Filled	50 ft of 14 gauge wire Black jacket, 2 conductors

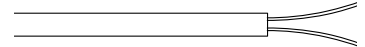|			
Female Quick Connect with flying leads can be connected to the Power Supply at the start of a run. Can also be used with the Male Quick Connect to make wire jumpers. Use color suffix –08 for Black, -09 for Grey, or –10 for White	Male Quick Connect with flying leads can be used to make wire jumpers. Use color suffix –08 for Black, -09 for Grey, or –10 for White	Order 2 per Power Supply	Sunlight, moisture resistant, and flame retardant PVC jacket per UL 1277

Sample Layout

PX-120-EB-30K-SO-F-SM-GG-B-4-QXXXXX
Plexineon Factory Bend, Standard Mounting Clips

75-CLP19-001-00

75-CLP16-001-00

75-CLP19-001-00

75-CLP16-001-00

60-H-0001-08

60-H-0002-08
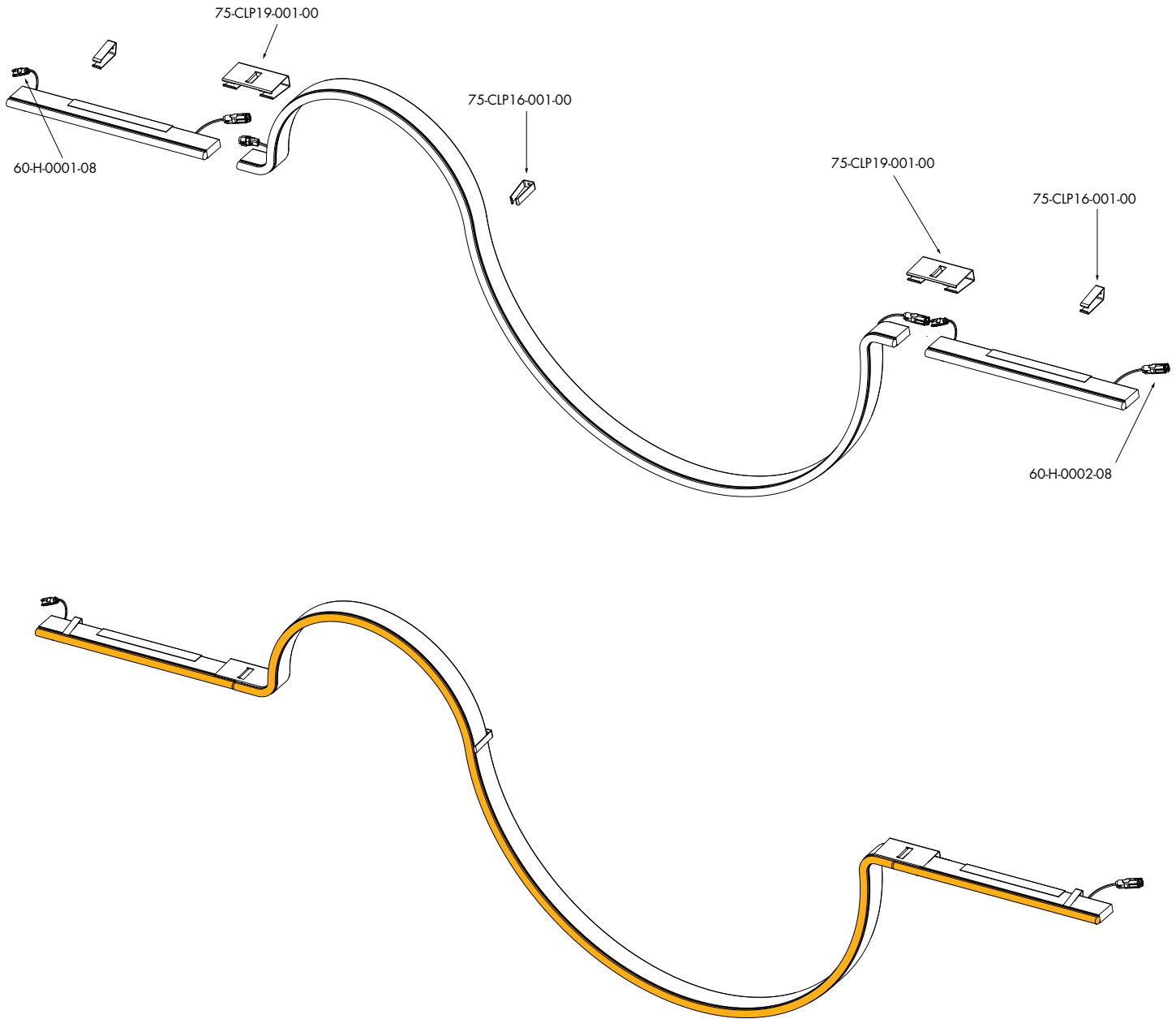
## Field Bends

- Field Bends available with Surface Mount installations only.
- Field Bends can be made only in a direction perpendicular to the light output, Horizontal/Easy Bend.
- Field Bendable ship as straight sections which can be bent down to 72" radius min.
- Field Bendable sections do not include rigid c-channel and may not maintain straightness without appropriately placed mounting clips.
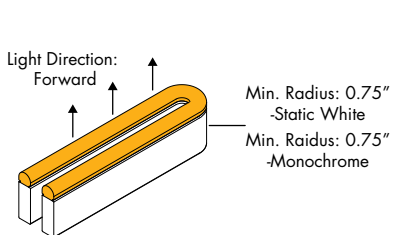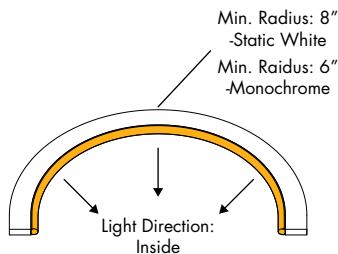
FB
Field Bend, Side/Easy Bend

Light Direction:
Forward

Min. Radius: 72"
-Static White

Min. Raidus: 72"
-Monochrome
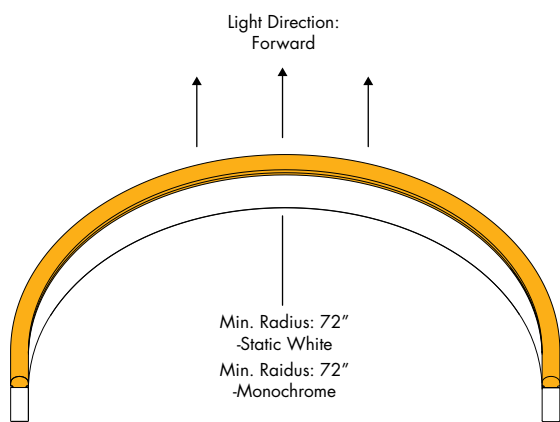
Factory Bends

- Require Custom Drawing submittal and approval.

EB
Factory Bend, Side/Easy Bend

Light Direction:
Forward

Min. Radius: 0.75"
-Static White

Min. Raidus: 0.75"
-Monochrome

HB
Factory Bend, Top/Hard Bend

Min. Radius: 8"
-Static White

Min. Raidus: 6"
-Monochrome

Light Direction:
Inside

HB
Factory Bend, Top/Hard Bend

Light Direction:
Outside

Min. Radius: 8"
-Static White

Min. Raidus: 6"
-Monochrome
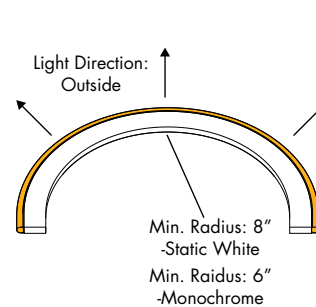
Common Applications

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

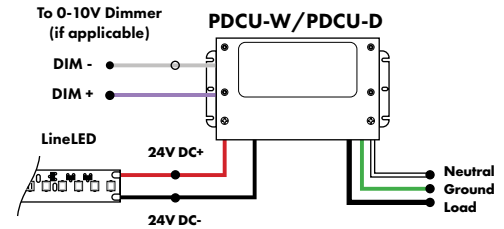# Plexineon Surface Mount

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%.
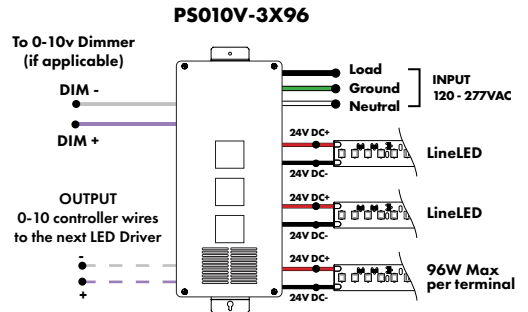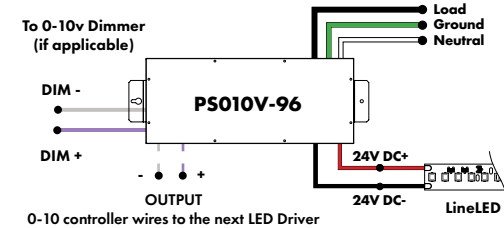For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

PDCU-W/PDCU-D

To 0-10V Dimmer (if applicable)
DIM -
DIM +
LineLED
24V DC+
24V DC-
Neutral
Ground
Load

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

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

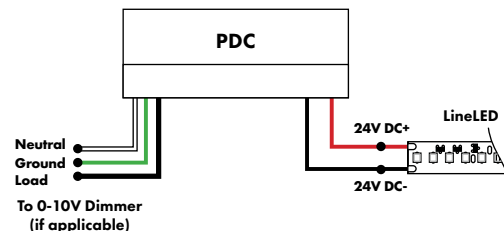| MODEL		POWER		OUTPUT		DIMMING
PS010V - 0-10V Power Supply dims down to 0.1%	-	96 - 96 Watt 3X96 - 3 X 96 Watt	-	24 - 24 VDC	-	LIN - Linear LOG - Logarithmic

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

PS010V-96

To 0-10v Dimmer (if applicable)
DIM -
DIM +
OUTPUT
0-10 controller wires to the next LED Driver
Load
Ground
Neutral
24V DC+
24V DC-
LineLED

PS010V-3X96

To 0-10v Dimmer (if applicable)
DIM -
DIM +
OUTPUT
0-10 controller wires to the next LED Driver
Load
Ground
Neutral
INPUT 120 - 277VAC
24V DC+
24V DC-
LineLED
24V DC+
24V DC-
LineLED
24V DC+
24V DC-
96W Max per terminal

Triac, MLV, & ELV Compatible Dimmers

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

MODELS	96W
Length	8.25"
Width	4.10"
Depth	1.56"

PDC

Neutral
Ground
Load
To 0-10V Dimmer (if applicable)
24V DC+
24V DC-
LineLED

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.
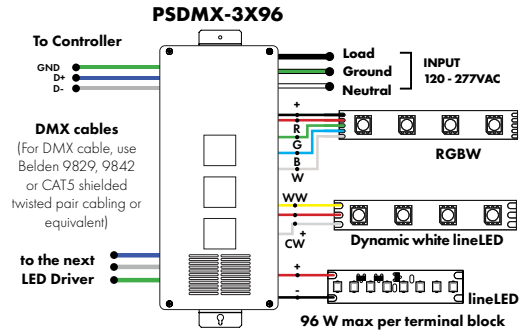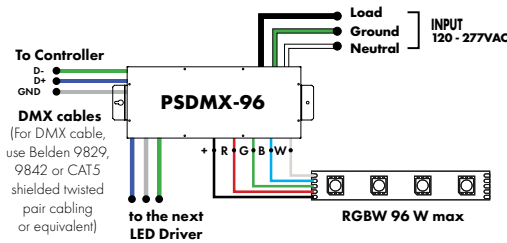
DMX Dimming Power Supplies 120VAC - 277VAC

MODEL	-	POWER	-	OUTPUT

PSDMX - DMX Power Supply dims down to 0%

96 - 96 Watt
3X96 - 3 X 96 Watt

24 - 24 VDC

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

Features eldoLED's LINEARdrive configurable dimmable drivers

DALI 0% Dimming Power Supplies 120VAC - 277VAC

MODEL	-	POWER	-	OUTPUT

PSDALI - DALI Power Supply dims down to 0%

96 - 96 Watt
3X96 - 3 X 96 Watt

24 - 24 VDC

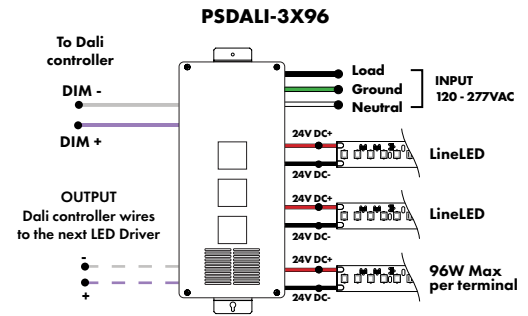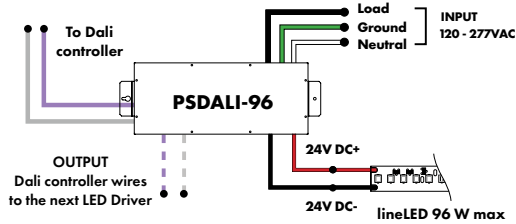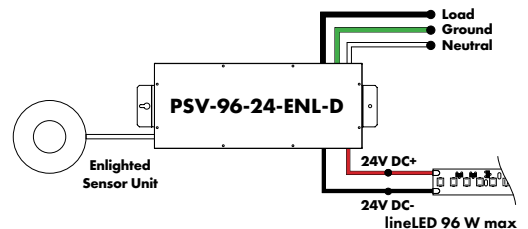| Model	96W	3X96
Length	14.40"	15.75"
Width	5.20"	6.62"
Depth	2.60"	4.95"

Features eldoLED's LINEARdrive configurable dimmable drivers

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

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

Plexineon Surface Mount
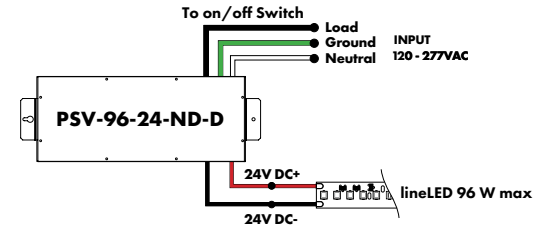
Static White and Monochrome Colors

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
Length	14.40"
Width	5.20"
Depth	2.60"

PSV-96-24-ND-D

To on/off Switch — Load / Ground / Neutral — INPUT 120 - 277VAC

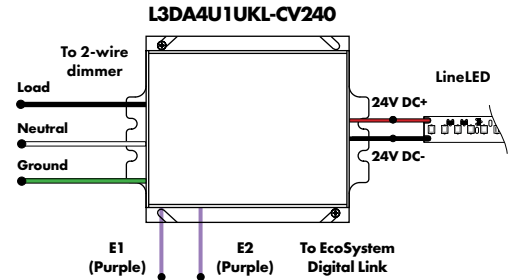24V DC+ / 24V DC- — lineLED 96 W max

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LUTRON®

Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 1%

MODEL
L3DA4U1UKL-CV240

Hi-lume™ 1% EcoSystem Voltage LED driver 40W max

MODELS	L3DA4U1UKL-CV240
Length	4.98"
Width	4.00"
Depth	2.62"

L3DA4U1UKL-CV240

To 2-wire dimmer / Load / Neutral / Ground

LineLED — 24V DC+ / 24V DC-

E1 (Purple) / E2 (Purple) — To EcoSystem Digital Link
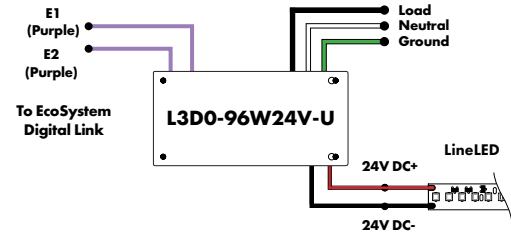

LUTRON®

Luminii is a Lutron OEM Advantage Partner

Lutron Power Supplies 0.1%

MODEL
L3D0-96W24V-U

Hi-lume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™ 96W max

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"

L3D0-96W24V-U

E1 (Purple) / E2 (Purple) — To EcoSystem Digital Link

Load / Neutral / Ground

LineLED — 24V DC+ / 24V DC-

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
Length	8.40"
Width	8.30"
Depth	8.10"

IG-CVE-96X2-24

(if applicable) Neutral / Load

LINE VOLTAGE INPUT 120V AC

24V DC- / 24V DC+ — lineLED 96 W max