Plexineon Suspended Mount

Static White and Monochrome Colors

ilight by luminii

Factory Bend

Straight Run

- Easy to install, for interior 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 shape
- Mounting Clips and aircraft cable 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

0.40" 1.44"

Straight Run

3.40" 1.50" 0.65"

With Mounting Clip and A/C hardware

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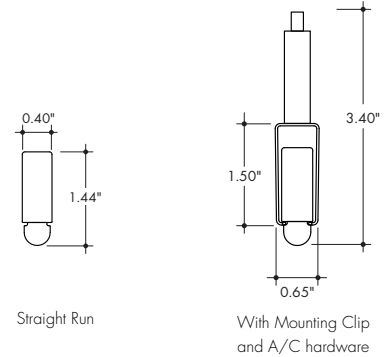
Technical Information

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[3]	FINISH	POWERFEED POSITION/TYPE	QUOTE NUMBER[5]
PX - Plexineon	___ - Run length in inches, 6" min, no max run length	**SR** - Straight Run **EB** - Factory Bend, Side/Easy Bend[2]	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **B** - Blue **G** - Green **T** - Teal **Y** - Yellow **R** - Red **M** - Magenta	**SO** - Standard	**F** - Frosted	**SP** - Suspension Mount, Standard Clips **SPD** - Suspension Mount, Decorative Clips[4]	**GG** - Gloss Grey **BK** - Matte Black **GY** - Matte Grey **WH** - Matte White	**B-4** - Male Quick Connect One End, Female Quick Connect Other End	(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. 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.
3. Standard mounting clip included approximately every 30" of linear/arc length.
4. Decorative Clips match the fixture finish, included approximately every 18" of linear/arc length.
5. 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.
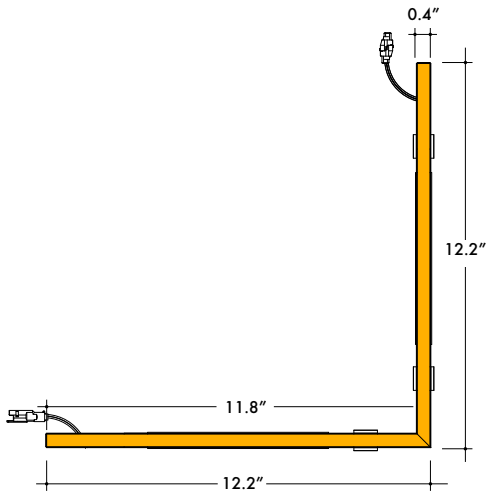
Plexineon Suspended Mount

Static White and Monochrome Colors

Corner Dimensions

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	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	SP - Suspension Mount, Standard Clips SPD - Suspension 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 Suspended Mount
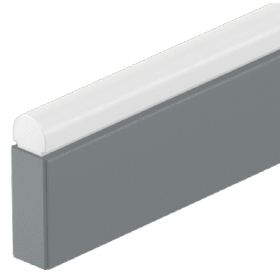
Static White and Monochrome Colors

ilight
by luminii

Finish Options
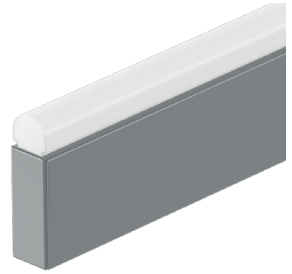
BK
Matte Black Finish
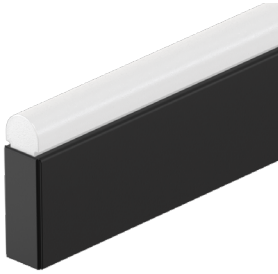
WH
Matte White Finish

**GY**
Matte Grey Finish

GG
Gloss Grey Finish

Suspension Hardware

- Suspension Hardware is 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

SP/SPD

SC-1MP2-SCL-0X
Suspension Kit with Single Clip, Ø2.0" canopy, 150" A/C Cable

2.0"

150.0"
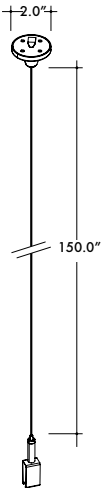
Used approximately every 30" of linear/arc length for Standard Clips and every 18" of linear/arc length for Decorative Clips

SC-1MP2-DCL-0X
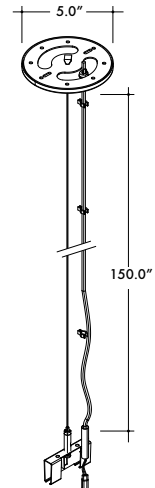Suspension Kit with Joiner Clip, Ø2.0" canopy, 150" A/C Cable

2.0"

150.0"
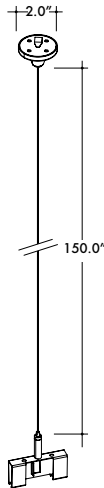
Use to join two fixtures together in the middle of a Suspended Run

SC-1FC5-SCL-C2-0X
Powerfeed Canopy Suspension Kit with Single Clip, Ø5.0" canopy, 150" A/C Cable

5.0"

150.0"
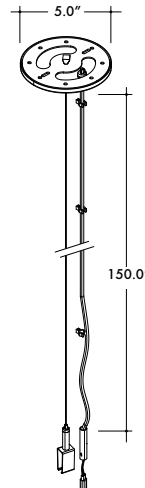
Used at the start of every Suspended Run

SC-1FC5-DCL-C2-0X
Powerfeed Canopy Suspension Kit with Joiner Clip, Ø5.0" canopy, 150" A/C Cable

5.0"

150.0"

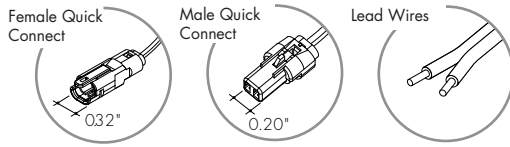Used to join two fixtures together and to drop power in the middle of a Suspended Run

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

Plexineon Suspended Mount

Static White and Monochrome Colors

Powerfeed and Connectors

Female Quick Connect

Male Quick Connect
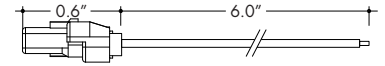
Lead Wires

0.32"

0.20"

60-H-0001-08
Female Quick Connect
with 6" flying leads

1.0"   6.0"
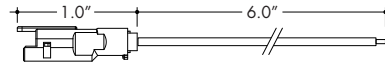
Female Quick Connect with flying leads can be connected to the Power Supply at the start of a run. Can also be used with the Male Quick Connect to make wire jumpers.
Use color suffix –08 for Black, -09 for Grey, or –10 for White.
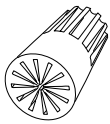
60-H-0002-08
Male Quick Connect
with 6" flying leads

0.6"   6.0"

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.

Additional Material

60-12-22AWGSBWN
Weatherproof Wire Nut
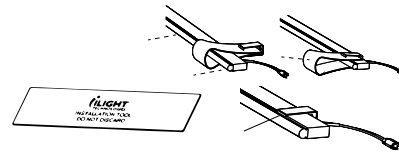Silicone Filled

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

70-TOL02-001-01

Mounting Clip Installation Tool

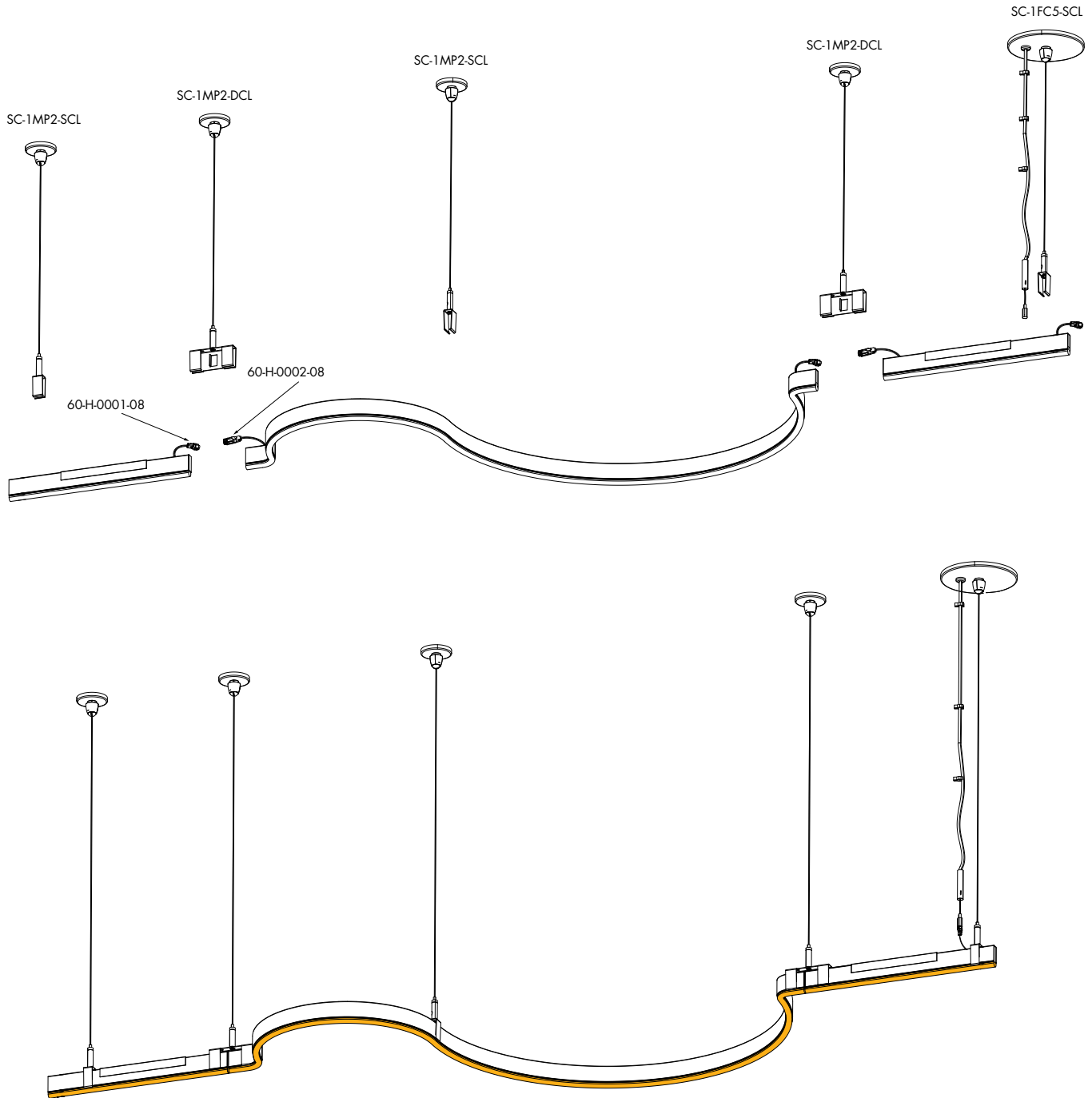Use for installation of Plexineon into Mounting Clips

Sample Layout

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

SC-1FC5-SCL

SC-1MP2-SCL

SC-1MP2-DCL

SC-1MP2-DCL

SC-1MP2-SCL

60-H-0002-08

60-H-0001-08

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
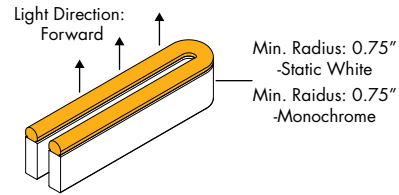
Common Applications

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

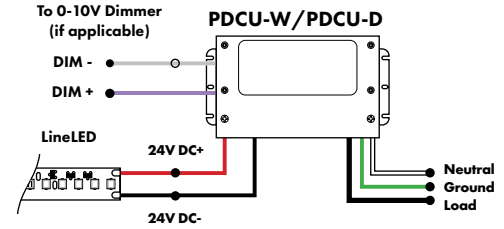# Plexineon Suspended Mount

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.

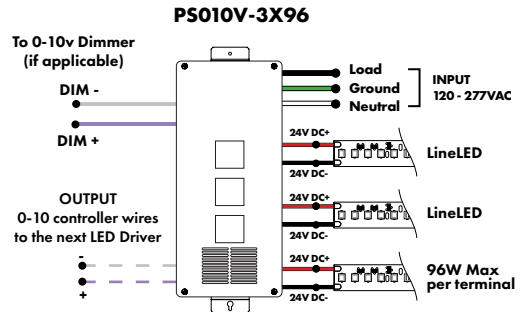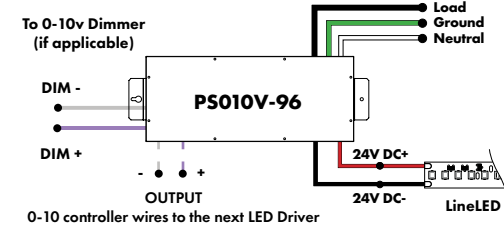**PDCU-W/PDCU-D**

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 +
Load
Ground
Neutral
24V DC+
24V DC-
LineLED
OUTPUT
0-10 controller wires to the next LED Driver

PS010V-3X96

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

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"
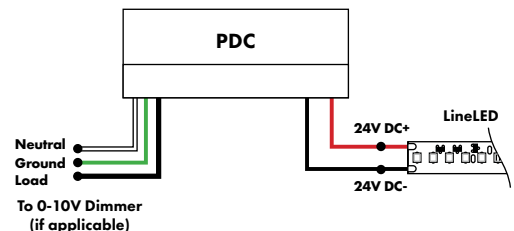
PDC

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

Plexineon Suspended 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.
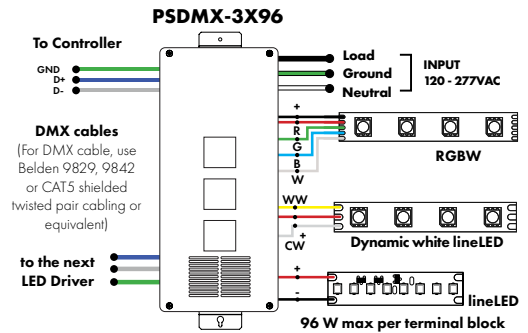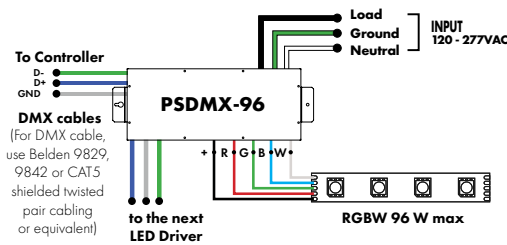
DMX Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDMX - 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

PSDMX-96

PSDMX-3X96

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

PSDALI-96

PSDALI-3X96
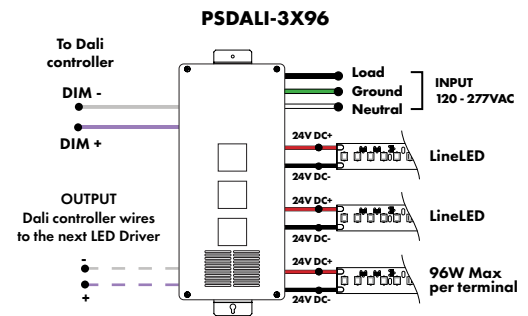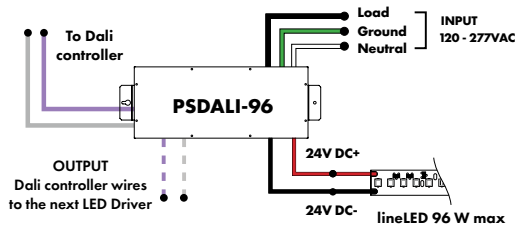
Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC

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"
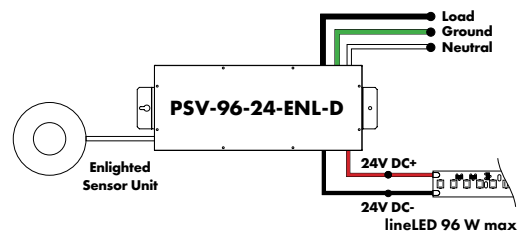
PSV-96-24-ENL-D

Plexineon Suspended 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
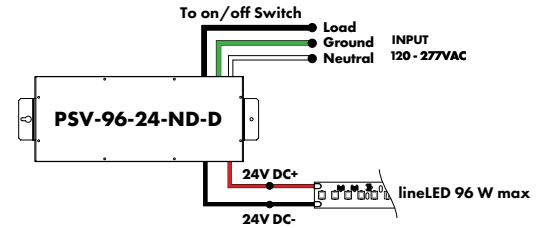
LUTRON®

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
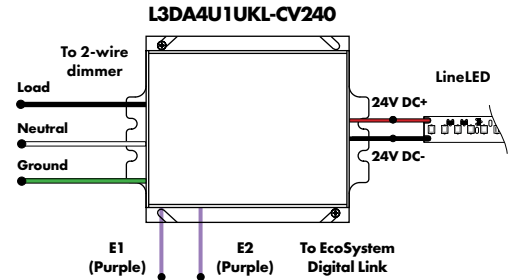
LUTRON®

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
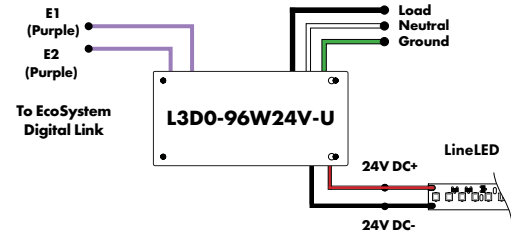
In-Ground Power Supplies

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