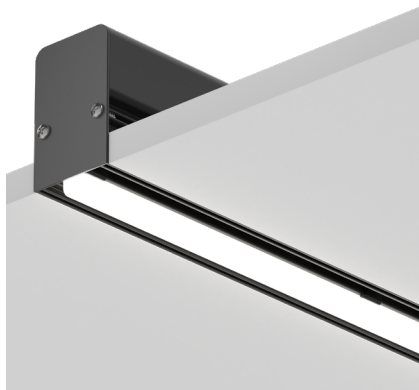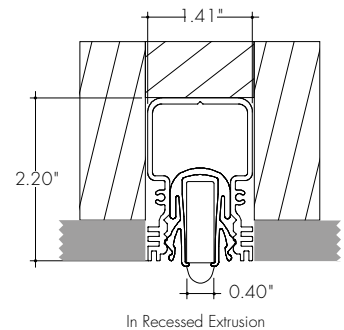# Plexineon Recessed Mount

Static White and Monochrome Colors

- For interior accent lighting.
- Neon look providing a crisp, clear line of light visible for miles
- 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
- Wet Rated
- 5 year warranty indoor

1.41"
2.20"
0.40"

In Recessed Extrusion

3G · 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[2]	FINISH	POWERFEED POSITION/TYPE
PX - Plexineon	___ - Run length in inches, 6" min, no max run length	SR - Straight Run	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K B - Blue G - Green T - Teal Y - Yellow R - Red M - Magenta	SO - Standard	F - Frosted	RM - Recessed Mount	BK - Matte Black	B-4 - Male Quick Connect One End, Female Quick Connect Other End

1. Available in 2" increments, +/- ½" tolerance. Run Lengths over 96" (8ft) will be made of equal sections no longer than 96".
2. Recessed Mount includes all necessary hardware for either mud-in or hard ceiling (stone, marble) installation. Blocking above ceiling built by others.
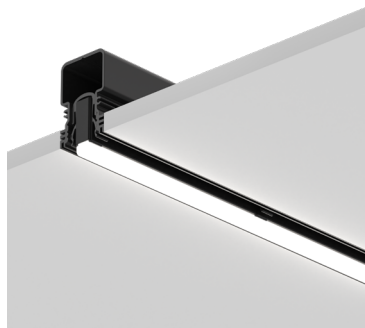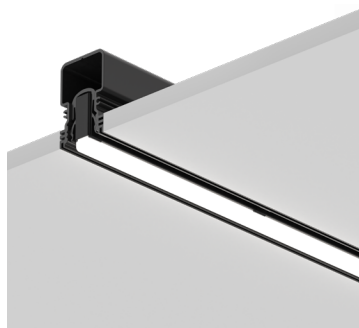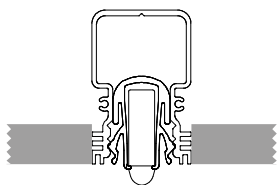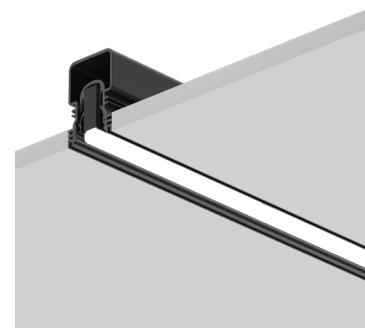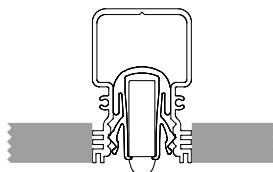
Installation Configurations

- Position of Plexineon fixtures within Extrusion Housing is adjustable in the field at time of install.
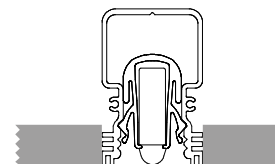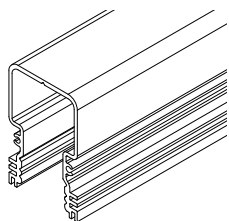
Exposed

Semi-Recessed

Fully Recessed
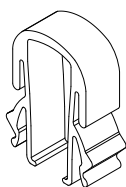
Recessed Mounting Components & Tools

- Mounting Hardware is included with Plexineon runs in the appropriate quantity, including Extrusion Housing and Plaster Plate. Order extras as desired. Blocking above ceiling built by others.
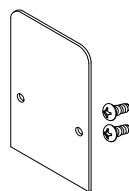
75-EXT01-001-00 Extrusion Housing	**75-CLP32-001-00** Recessed Mounting Clip	**80-MTPO1-001-00** End Plate	**80-PIN03-001-00** Alignment Pin	**80-BSH02-001-00** Powerfeed Strain Relief
Mount to deck or support backing above ceiling. Ships in 96" sections, field cut to size	Placed approximately every 30" as well as 2" from the ends	Two per continuous run	Two for every Extrusion to Extrusion connection.	One per driver connection
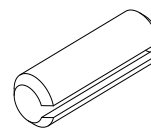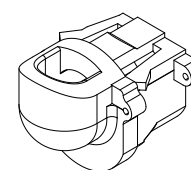
35-EXT01-001-00 Plaster Plate, Mud-in	**60-12-22AWGSBWN** Weatherproof Wire Nut Silicone Filled	**70-TOL03-001-00** Tool	**35-EXT03-001-00** Paint Mask	**45-GLU01-001-00** Glue
Used for drywall install and mud-in applications		Allows for changing of installation configurations	Protects interior of the Extrusion Housing during mud-in and paint	Used to adhere Recessed Mounting Clips to Plexineon fixture
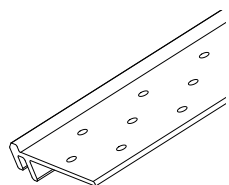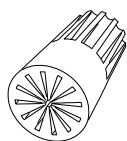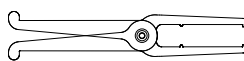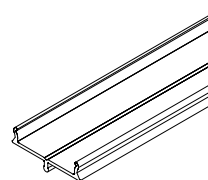
Sample Layout

PX-108-SR-30K-SO-F-RM-BK-B-4
Plexineon Recessed

80-BSH02-001-00

80-PIN03-001-00

60-H-0002-08

75-EXT01-001-00

75-CLP32-001-00

80-MTPO1-001-00

60-H-0001-08
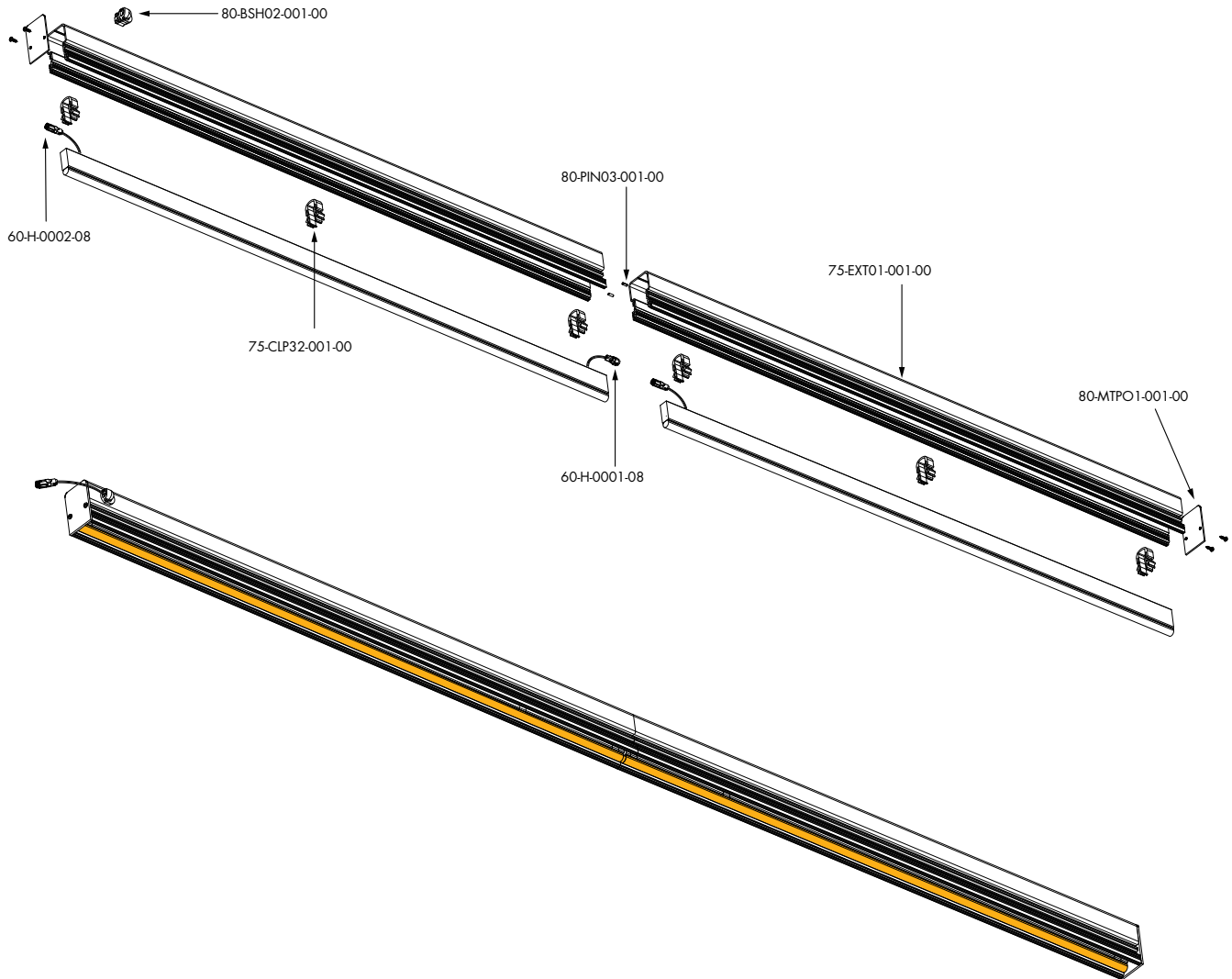
Recessed Mounting Installation
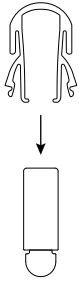
Install Recessed Mounting Clips onto plexineon straight run fixture. Use glue to fill any gaps between clip and fixture.
Note: use 1 clip per approximately every 30".
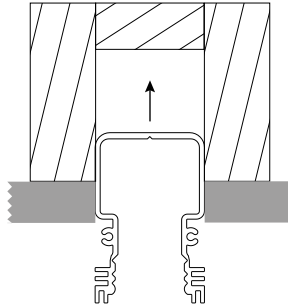
Build blocking above ceiling plane. Screw onto the support blocking or deck.
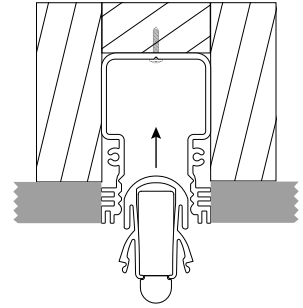
Install Plexineon with Recessed Mounting Clips into Extrusion Housing at desired position.

Additional Material

• Sold separately.

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

60-H-0002-08
Male Quick Connect
with flying leads

55-STW02-050-00
50 ft of 14 gauge wire Black jacket,
2 conductors
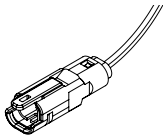
Female Quick Connect with flying leads can be connected to the Power Supply at the start of a run. Can also be used with the Male Quick Connect to make wire jumpers.
Use color suffix –08 for Black, -09 for Grey, or –10 for White
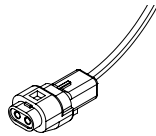
Male Quick Connect with flying leads can be used to make wire jumpers.
Use color suffix –08 for Black, -09 for Grey, or –10 for White
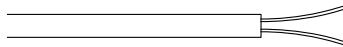
Sunlight, moisture resistant, and flame retardant PVC jacket per UL 1277

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 Recessed 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"

To 0-10v Dimmer
(if applicable)

DIM -
DIM +

PS010V-96

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

OUTPUT
0-10 controller wires
to the next LED Driver

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

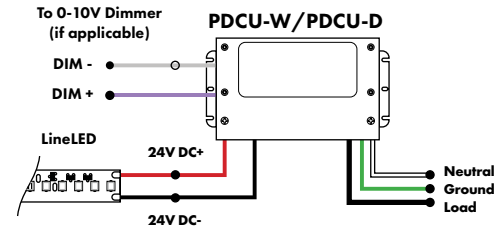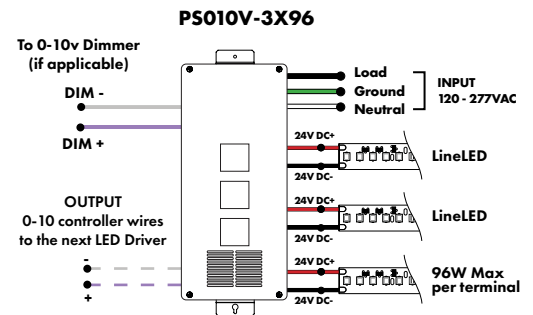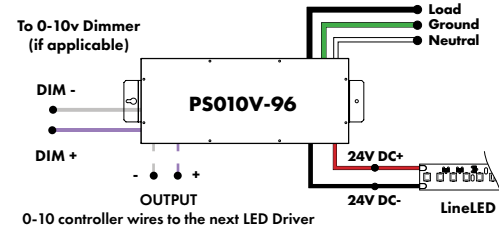24V DC+
LineLED
24V DC-

To 0-10V Dimmer
(if applicable)

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

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 - DALI Power Supply dims down to 0%

96 - 96 Watt
3X96 - 3 X 96 Watt

24 - 24 VDC

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"
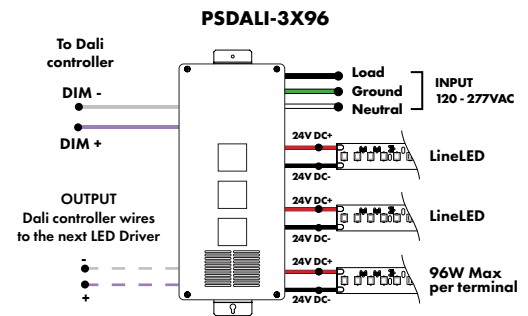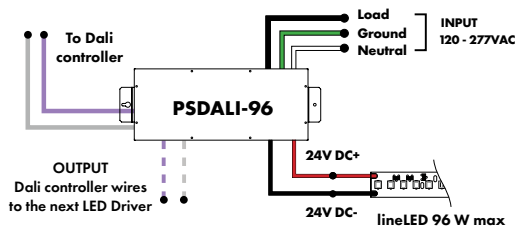
Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC

MODEL - POWER - OUTPUT - DIMMING - LOCATION

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

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

Plexineon Recessed Mount

Static White and Monochrome Colors

ilight by luminii

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.
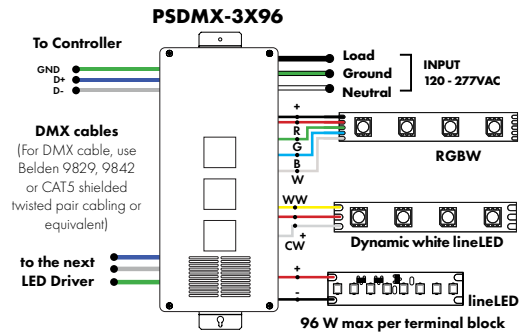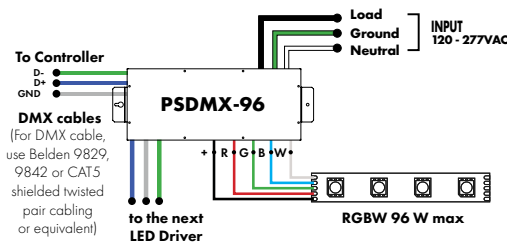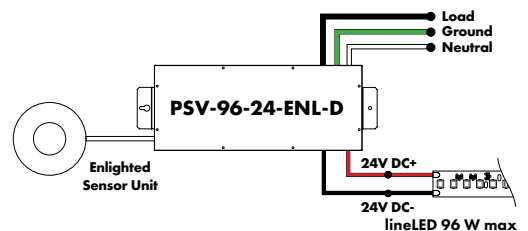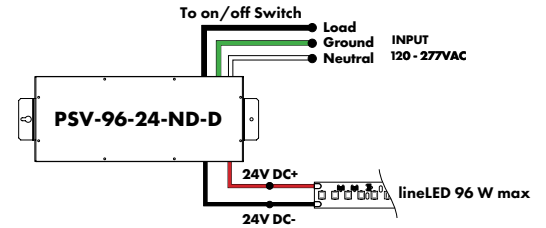
Non-Dimming Power Supply 120VAC - 277VAC

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"

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

PSV-96-24-ND-D

24V DC+   lineLED 96 W max
24V DC-

⚙ 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
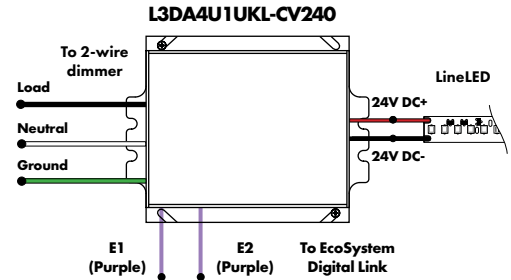
⚙ LUTRON®

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"

E1 (Purple)
E2 (Purple)

Load
Neutral
Ground

To EcoSystem Digital Link

L3D0-96W24V-U

LineLED
24V DC+
24V DC-
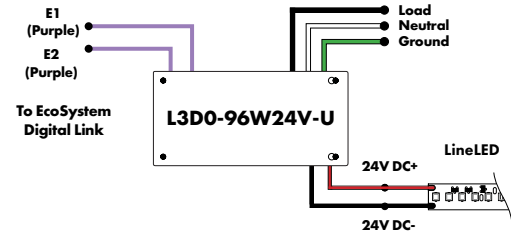
In-Ground Power Supplies

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"

(if applicable)
Neutral

Load

LINE VOLTAGE INPUT 120V AC

IG-CVE-96X2-24

24V DC-   24V DC+

lineLED 96 W max