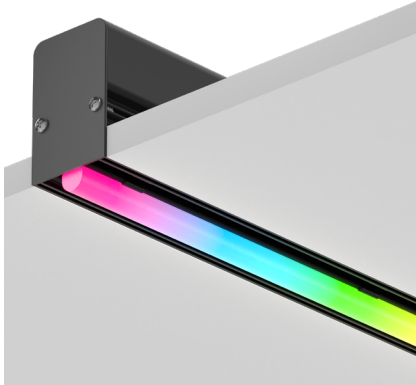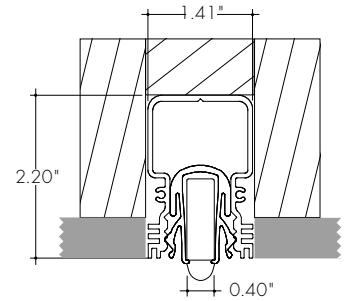# Plexineon Recessed Mount

RGB, RGBW and RGBW Pixel

- 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

1.41"
2.20"
0.40"

In Recessed Extrusion

Technical Information

MODEL	Plexineon RGB	Plexineon RGBW	Plexineon Pixel RGBW
OUTPUT OPTIONS	SO		
Lumens Output (all channels full on)	72 lm/ft	110 lm/ft	84 lm/ft
Average Power Consumption (for a 4' section)	4.1 W/ft	5.4 W/ft	5.7 W/ft
Efficacy	17.5 lm/W	20.3 lm/W	14.7 lm/W
Cut Increment	1.97"	3.94"	3.94"
Max Run Length (in series)	32 ft	17 ft	16 ft
SPI Protocol	N/A	N/A	UCS 2904
DMX Addresses Occupied	N/A	N/A	4-channels per pixel

RGBW (3000K)

Model	TM-30			
	CRI	R_f	R_g	R_9
RGBW	85	84	98	22
RGBW-PXSPI	85	84	98	22

Dominant Wavelength

Color	RGB
Red	622nm
Green	525nm
Blue	468nm

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	RGB - RGB RGBW - RGBW (3000K) RGBW-PXSPI - RGBW Pixel Control (3000K)	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.
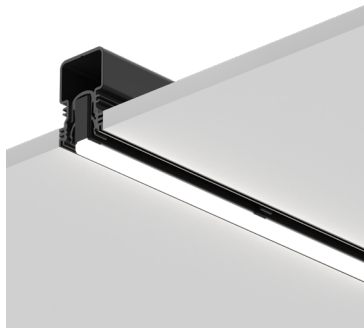
Plexineon Recessed Mount

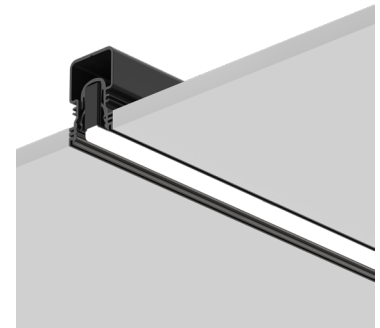RGB, RGBW and RGBW Pixel

Installation Configurations

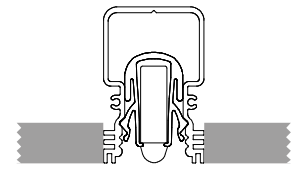- Position of Plexineon fixtures within Extrusion Housing is adjustable in the field at time of install.
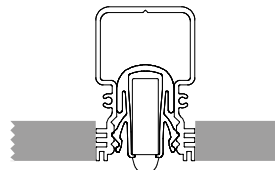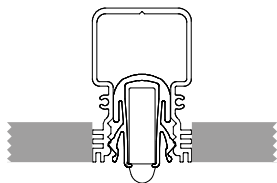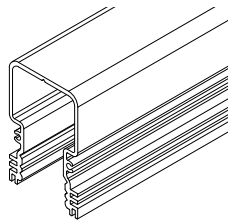
Exposed

Semi-Recessed

Fully Recessed
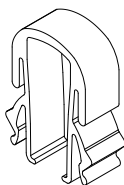
Recessed Mounting Components & Tools

- 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.

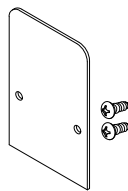| **75-EXT01-001-00**	**75-CLP32-001-00**	**80-MTPO1-001-00**	**80-PIN03-001-00**	**80-BSH02-001-00**
Extrusion Housing	Recessed Mounting Clip	End Plate	Alignment Pin	Powerfeed Strain Relief
Mount to deck or support backing above ceiling. Ships in 96" sections, field cut to size	Placed approximately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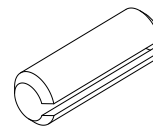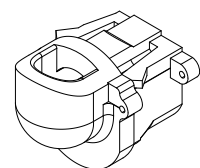
35-EXT01-001-00	**60-12-22AWGSBWN**	**70-TOL03-001-00**	**35-EXT03-001-00**	**45-GLU01-001-00**
Plaster Plate, Mud-in	Weatherproof Wire Nut Silicone Filled	Tool	Paint Mask	Glue
Used for drywall install and mud-in applications		Allows for changing of installation configurations	Protects interior of the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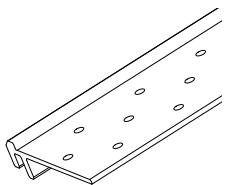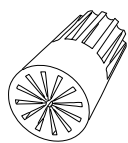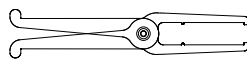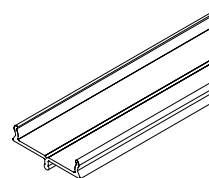
Sample Layout

PX-108-SR-RGBW-PXSPI-SO-F-RM-BK-B-4
Plexineon Recessed

80-BSH02-001-00

80-PIN03-001-00

60-H-C3-0002-01

75-EXT01-001-00

75-CLP32-001-00

80-MTPO1-001-00

60-H-C3-0001-01
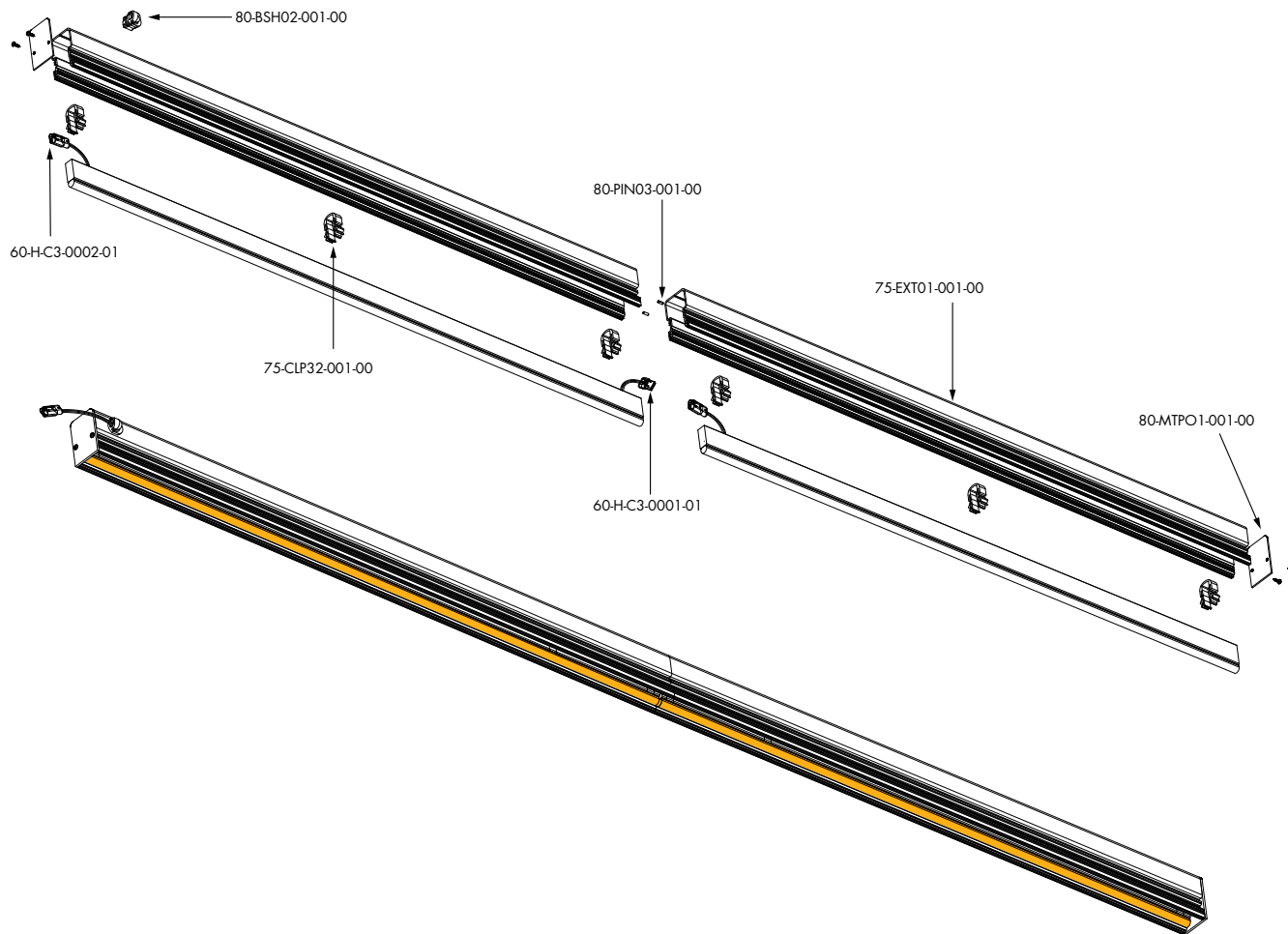
Recessed Mounting Installation
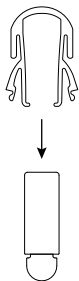
Install Recessed Mounting Clips onto plexineon straight run fixture. Use glue to fill any gaps between clip and fixture.
Note: use 1 clip per approximately every 30".

Build blocking above ceiling plane. Screw onto the support blocking or deck.

Install Plexineon with Recessed Mounting Clips into Extrusion Housing at desired position.

Powerfeed and Connectors

For use with RGB

Female Quick Connect

Male Quick Connect

Lead Wires

.048"

.040"

60-H-C4-0001-01
Female RGB Quick Connect
with 6″ flying leads
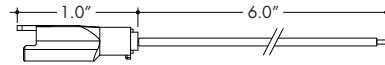
1.0″   6.0″

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
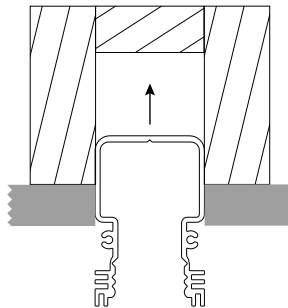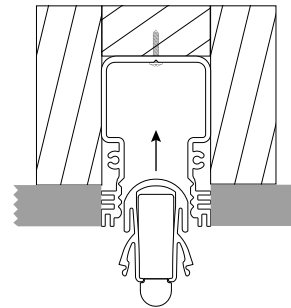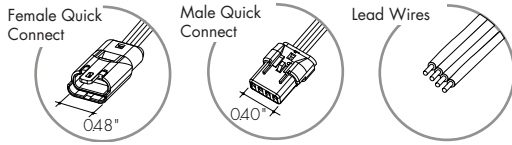Connect to make wire jumpers.

60-H-C4-0002-01
Male RGB Quick Connect
with 6″ flying leads

0.6″   6.0″

Male Quick Connect with flying leads can be used
to make wire jumpers.

For use with RGBW

Female Quick Connect

Male Quick Connect

Lead Wires

.065"

.065"

60-H-C5-0001-01
Female RGBW Quick Connect
with 6″ flying leads

1.5″   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.

60-H-C5-0002-01
Male RGBW Quick Connect
with 6″ flying leads

1.1″   6.0″

Male Quick Connect with flying leads can be used
to make wire jumpers.

For use with Pixel

Female Quick Connect

Male Quick Connect
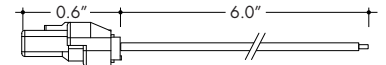
Lead Wires

.048"

.040"
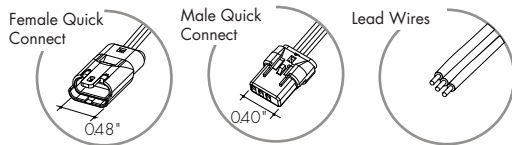
60-H-C3-0001-01
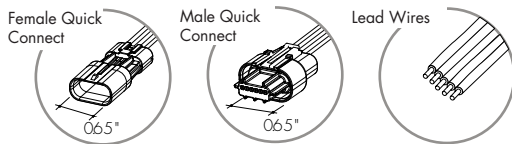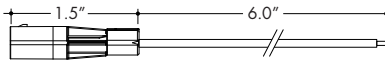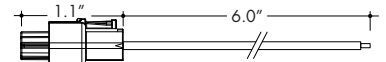Female Pixel Quick Connect
with 6″ flying leads
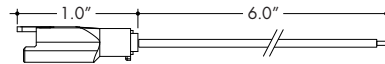
1.0″   6.0″

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.

Also available with longer Flying Leads
60-H-C3-0005-01
Female Pixel Quick Connect
with 384″ flying leads

60-H-C3-0002-01
Male Pixel Quick Connect
with 6″ flying leads

0.6″   6.0″

Male Quick Connect with flying leads can be used
to make wire jumpers.

Also available with longer Flying Leads
60-H-C3-0006 -01
Male Pixel Quick Connect
with 384″ flying leads

Additional Material

60-12-22AWGSBWN
Weatherproof Wire Nut
Silicone Filled
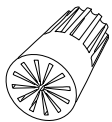
Order 2 per Power Supply.

55-STW02-050-00
50 ft of 14 gauge wire Black jacket,
2 conductors
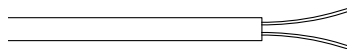
Sunlight, moisture resistant, and flame retar-
dant PVC jacket per UL 1277

70-TOL02-001-01

Mounting Clip Installation Tool
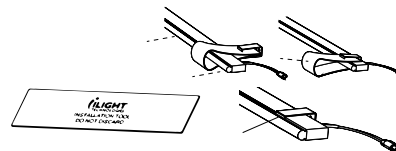
Use for installation of Plexineon into Mounting Clips

Power Supplies

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

For use with RGB/RGBW/Pixel

Non-Dimming Power Supply 120VAC - 277VAC

MODEL	-	POWER	-	OUTPUT	-	DIMMING	-	LOCATION

PSV-PSV Series   96-96 Watt   24-24 VDC   ND-Non Dimming   D-Dry location

Requires a controller and a decoder to work properly

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

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

PSV-96-24-ND-D

24V DC+
24V DC-
lineLED 96 W max
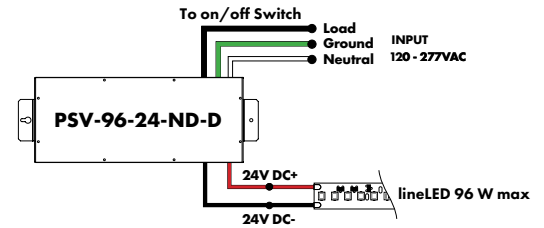
For use with RGB/RGBW

DMX 0% 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.
DDMX-RGBW DMX Decoder not required when purchasing this power supply.

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

Load
Ground
Neutral
INPUT
120 - 277VAC

To Controller
D-
D+
GND

PSDMX-96

DMX cables
(For DMX cable, use Belden 9829, 9842 or CAT5 shielded twisted pair cabling or equivalent)

to the next
LED Driver

+
R
G
B
W

RGBW 96 W max

PSDMX-3X96

To Controller
GND
D+
D-

Load
Ground
Neutral
INPUT
120 - 277VAC

DMX cables
(For DMX cable, use Belden 9829, 9842 or CAT5 shielded twisted pair cabling or equivalent)

to the next
LED Driver

+
R
G
B
W

Plexineon Recessed Mount

RGB, RGBW and RGBW Pixel

DMX-1Z-RGBW, DMX-3Z-RGBW

RGBW LED 1 or 3 Zone Controller

DMX /Wireless RGB-W wall-mount controller controls DMX lighting fixtures, wireless control of RGB-W lighting fixture or use both simultaneously. Fits in any standard US switch box. Includes all the outputs in the back of the controller.

Control brightness levels with a single touch, personalize and memorize 3 different scenes, and even create 3 variations of white.

Features

- 2 in 1 in-Wall Controller: DMX Control or Wireless RGB-W
- 65,000 Color Options, Dimming and Speed Control
- Memory Function
- 50 Foot Wireless Range
- Easily Fits Standard US Switch Boxes
- Touch Sensitive Glass Surface
- Includes 10 Built in Programs, or Create and Play Your Own
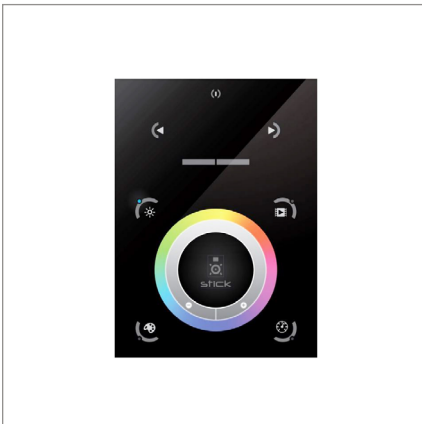
Operating Voltage

12 - 24V DC

Color Parameters

- Brightness
- Saturation
- Primary colors
- Fading
- Color changing speed

ORDERING CODE

MODEL	ZONES	COLOR
	-	-

DMX - DMX Controller

3Z - Three Zone
1Z - One Zone

RGBW - Red, Green, Blue, & White

Touch DMX Controller

Touchscreen digital LED controller

Programmable advanced DMX512 lighting controller featuring a touch-screen interface. Operates as stand alone controller or integrated with most architectural lighting control systems. Can controller endless DMX512 enabled devices.

Mounts to standard single or dual gang wall box with the included power supply inside the junction box. Terminal block design for power and data connections.

Features

- Sleek glass design which sits 0.43" from the wall
- Graphical color display to show selected environment
- Color/dimmer/speed palette
- Color temperature mixing
- Touch sensitive buttons. No mechanical parts
- Touch sensitive wheel allows for accurate color selection
- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- 1024 DMX channels. Control 340 RGB fixtures
- USB & Ethernet connectivity for programming and control

Power Supply

7 VDC (included)

Programmability

PC, Mac, Tablet, Smartphone

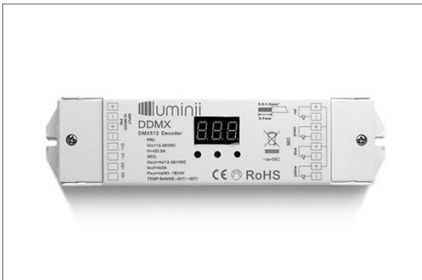### Output Signal

DMX512 (1024 channels)

Color Parameters

- Brightness
- Saturation
- Speed of color changing sequence
- Fading / dimming / brightness

ORDERING CODE

MODEL
TSDMX-E

TSDMX-E - Touchscreen DMX controller

DMX Decoder

DMX signal to RGBW decoder (required to operate DMX controller)

Translates controller DMX512 programs for RGB and white LED strips.

Unique DMX address for the decoder can be set easily and displayed by the numeric display on the case. Changing and resetting the DMX address requires manual input.

Use power repeater to expand output.

Operating Voltage

12-36 VDC

Power Capacity

up to 96W at 24V

Operating Temperature Range

from -4°F to +122°F in case

ORDERING CODE

MODEL

DDMX-RGBW

DDMX-RGBW - DMX decoder

Smart Pixel Decoder

SPI signal to DMX signal decoder

The SR-DMX-SPI is a smart LED pixel decoder that controls RGB/RGBW pixel LED strips with SPI signal. Designed with an OLED backlit panel, the pixel controller allows for easy configuration of most settings. Four push buttons are available for control of the LED functions.

*For pixel only.

Features

- 2 in 1 in-Wall Controller: DMX Control or Wireless RGB-W
- SPI signal output for RGB/RGBW pixel light control
- DMX512 controllable and RF/WIFI remote controllable
- Capable of addressing up to 1020 RGB pixels & 765 RGBW pixels
- OLED panel allows for easy configuration

Operating Voltage

12 - 36V DC

Power capacity

up to 96W at 24V

Operating temperature range

from -4°F to +122°F in case

ORDERING CODE

MODEL

SR-DMX-SPI

SR-DMX-SPI - Smart Pixel Decoder