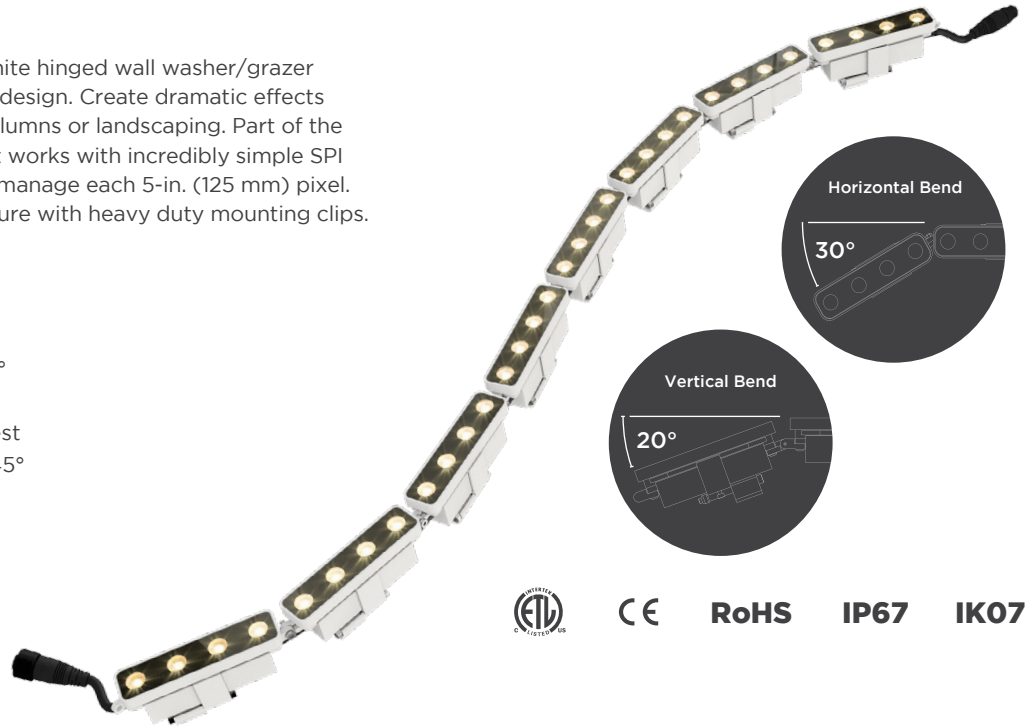## ARMOR SERIES | NANO PIVOT

The Nano Pivot is a dimmable Static White hinged wall washer/grazer that increases flexibility in your lighting design. Create dramatic effects around cornices and curved facades, columns or landscaping. Part of the Armor Series, the IP67 rated Nano Pivot works with incredibly simple SPI (Serial Peripheral Interface) controls to manage each 5-in. (125 mm) pixel. Available in two Static White CCTs. Secure with heavy duty mounting clips.

- 9.75 W/ft (32 W/m)
- 4 LEDs/5-in. (125 mm) pixel
- 8 pixels per 3 ft 3.37 in. (1 m) chain
- 2746.2 lm/fixture in 2700K at 45°x45°
- Daisy chain up to 6 fixtures
- Custom lengths available upon request
- Beam angles: 25°x25°, 45°x45°, 25°x45°
- Uses SPI controls
- 24V external driver
- 80+ CRI with IP67 rating
- 5-year warranty

Horizontal Bend 30°

Vertical Bend 20°

ETL   CE   **RoHS**   **IP67**   **IK07**

ORDERING GUIDE

Category	CRI	Input Voltage	Wattage	Color Temp.	Beam Angle	Finish	Control
NANOPVT	80	24	32				S
NANOPVT - Armor Series Nano Pivot	**80** - 80+ CRI	**24** - 24 V DC	**32** - 9.75 W/ft (32 W/m)	**27** - 2700K	**25** - 25°x25°	**GR** - Grey	**S** - SPI
				40 - 4000K	**45** - 45°x45°	**WH** - White	
					25X45 - 25°x45°		

Note: Be sure to use end caps at end of line.

ACCESSORIES:

1. M12 3-Pin Female to Bare Wire Input Cable
M12CBLFB3PIN1000 (3 ft, 3.3 in. | 1 m)
M12CBLFB3PIN2000 (6 ft, 6.7 in. | 2 m)
M12CBLFB3PIN3000 (9 ft, 10 in. | 3 m)

2. M12 3-PIN Male to Female Jumper Cable
M12JUMPMF3PIN1000 (3 ft, 3.3 in. | 1 m)
M12JUMPMF3PIN2000 (6 ft, 6.7 in. | 2 m)
M12JUMPMF3PIN3000 (9 ft, 10 in. | 3 m)

3. M12 3-PIN Power Cable, Single Feed (59 in. | 1.5 m)
M12YCBLS3PIN1500

4. M12 3-PIN Power Cable, Double Feed (59 in. | 1.5 m)
M12YCBLD3PIN1500

5. M12 3-PIN Power & Data Injector Cable (59 in. | 1.5 m)
M12YCBLP3PIN1500

6. M12 Input Cable, RJ45 to Female
M12CBLRJ45F4PIN15000 (49 ft | 15 m)
M12CBLRJ45F4PIN30000 (98 ft | 30 m)
M12CBLRJ45F4PIN50000 (164 ft | 50 m)

7. End Cap
M12EC3PIN

CONTROLLERS:

1. C4 Extended Controller
Part # for 1 universe model: CTRLPIXEL1
Part # for 2 universe model: CTRLPIXEL2
Part # for 4 universe model: CTRLPIXEL4
Part # for 8 universe model: CTRLPIXEL8

2. C4 Live Controller
Part # for 4 universe model: CTRLPIXELLIVE4
Part # for 8 universe model: CTRLPIXELLIVE8
Part # for 12 universe model: CTRLPIXELLIVE12
Part # for 16 universe model: CTRLPIXELLIVE16
Part # for 24 universe model: CTRLPIXELLIVE24
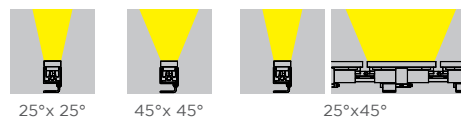
3. PxLNet Controller
Part #: CTRLPIXEL96

DRIVERS:

1. 24V 60W Non-dimmable Driver
Part #: DRVW2460

2. 24V 96W Non-dimmable Driver
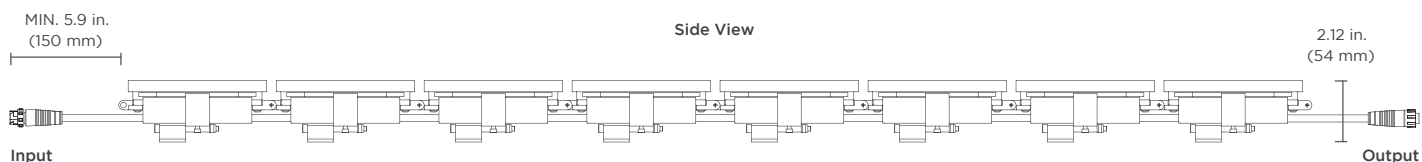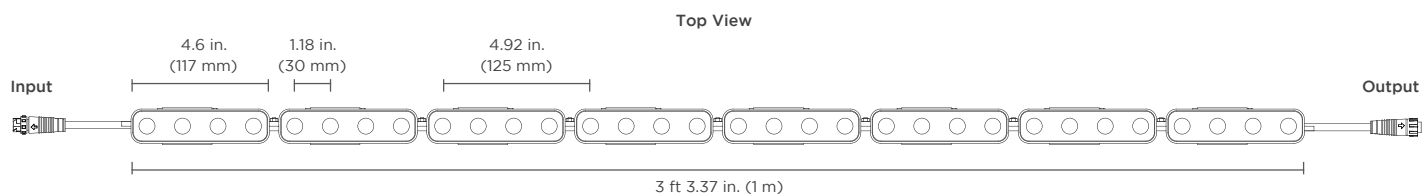Part #: DRVW2496

AVAILABLE COLOR TEMPERATURES
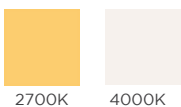
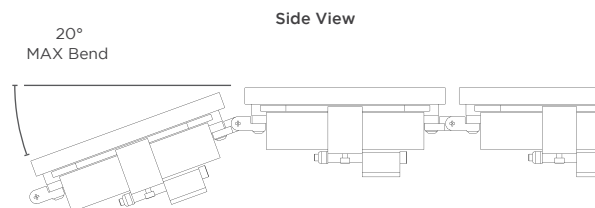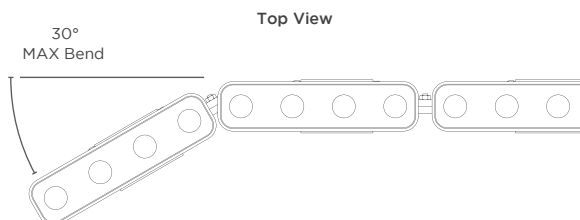2700K   4000K

AVAILABLE BEAM ANGLES

25°x 25°   45°x 45°   25°x45°

SPECIFICATIONS / DIMENSIONS / LUMEN DATA

Operating Voltage	24 V DC		
Color Temperature	2700K, 4000K		
Power Consumption	9.75 W/ft (32 W/m)		
IC Code	16-bit (Default) UCS8903		8-bit (Optional) UCS2903
LEDs per Fixture	32 LEDs per fixture		
LED Beam Angle	25°x25°	45°x45°	25°x45°
Lumen Output (at 2700K)	2695.6 lm	2746.2 lm	2226.7 lm
Max Run Length (Power)	19 ft 8.22 in. (6 m)		
LED Pitch	1.18 in. (30 mm)		
Storage Temperature	-40° F to 185° F (-40° C to 85° C)		
Operating Temperature	-4° F to 149° F (-20° C to 65° C)		
Connector	3 Pin Input Connector		
Protection Rating	IP67		
Color Rendering Index	80 CRI		
Mounting Options	Mounting Brackets		
Certifications	ETL, CE, RoHS		
Fixture Color Finish	Grey, White		
Package Dimensions (L x W x H)	46.85 x 1.57 x 1.97 in. (119 x 4 x 5 cm)		
Weight	3.75 lb (1.7 Kg)		
Warranty	5 Years		

DIMENSIONS

Top View

Input

4.6 in.
(117 mm)

1.18 in.
(30 mm)

4.92 in.
(125 mm)

Output

3 ft 3.37 in. (1 m)

MIN. 5.9 in.
(150 mm)

Side View

2.12 in.
(54 mm)

Input

Output

BENDING ROTATION

Top View

30°
MAX Bend

Side View

20°
MAX Bend

MOUNTING HARDWARE / INSTALLATION / ACCESSORIES

MOUNTING HARDWARE

Top View

0.39 in.
(10 mm)

0.20 in.
(5.2 mm)

0.78 in.
(20 mm)

1.57 in.
(40 mm)

1.69 in.
(43 mm)

1.25 in.
(32 mm)

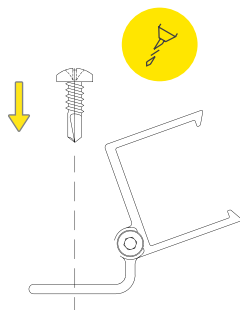**Side View**
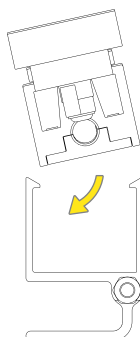
1.14 in.
(29 mm)

1.45 in.
(37 mm)

2.12 in.
(54 mm)
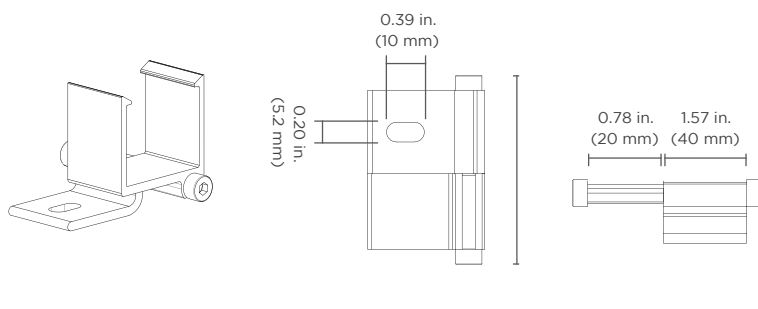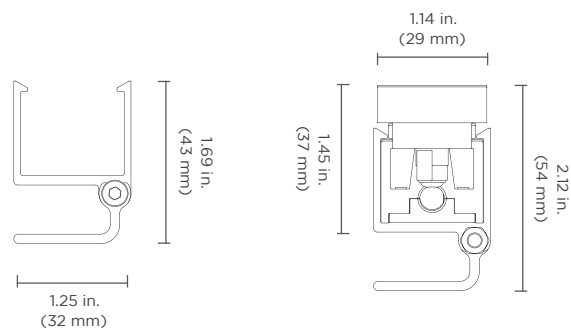
MOUNTING HARDWARE INSTALLATION

1.) Measure and mark desired location of fixture on installation surface. Drill pilot holes.

2.) Rotate fixture into bracket.

3.) Push fixture into bracket.
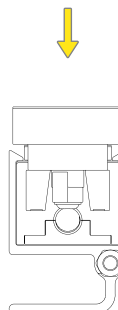
3.) Set desired angle. Installation complete.
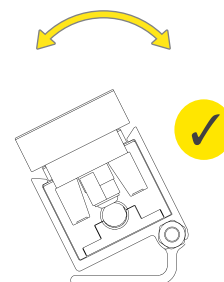
M12 3-PIN MALE TO FEMALE JUMPER CABLE

Part #:
M12JUMPMF3PIN1000 (3 ft 3.3 in. | 1 m)
M12JUMPMF3PIN2000 (6 ft 6.7 in. | 2 m)
M12JUMPMF3PIN3000 (9 ft 10 in. | 3 m)

0.59 in.
(15 mm)

1.81 in.
(46 mm)

(3 ft, 3.3 in. | 1 m)
(6 ft, 6.7 in. | 2 m)
(9 ft, 10 in. | 3 m)

1.85 in.
(47 mm)

0.59 in.
(15 mm)

END CAP

Part #: M12EC3PIN

0.65 in.
(16.5 mm)

0.49 in.
(12.5 mm)

ACCESSORIES

M12 3-PIN POWER CABLE, SINGLE FEED

Part #:
M12YCBLS3PIN1500 (59 in. | 1.5 m)

59.06 in. (1500 mm)

0.63 in. (16 mm)

1.1 in. (28 mm)

1	GND
2	Data
3	NC

1.85 in. (47 mm) 4.13 in. (105 mm) 2.13 in. (54 mm) 4.13 in. (105 mm) 1.85 in. (47 mm)

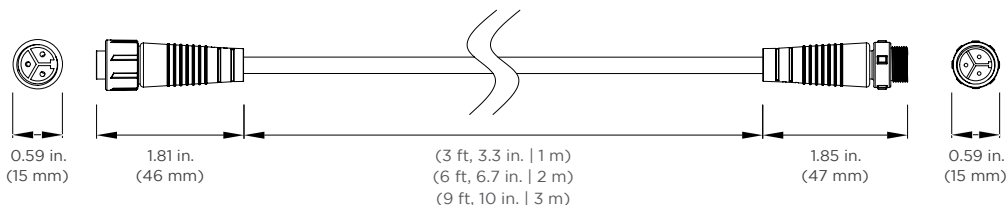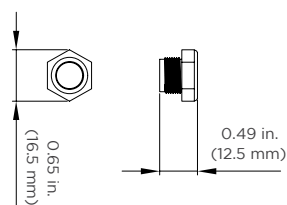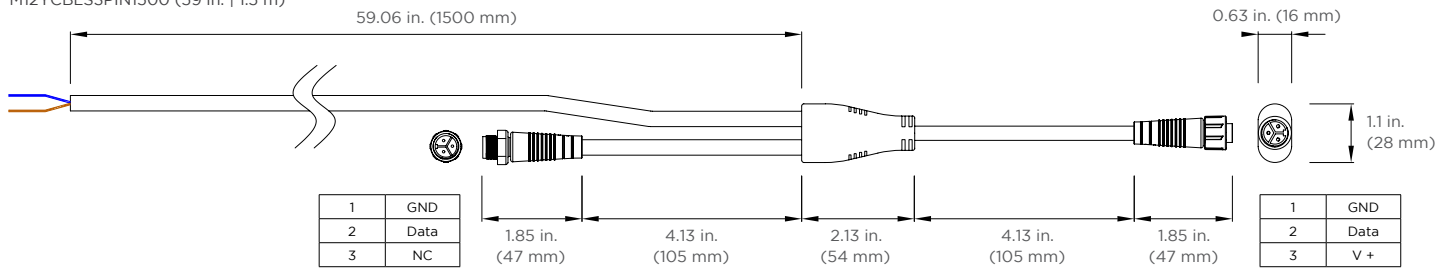| 1	GND
2	Data
3	V +

M12 3-PIN POWER CABLE, DOUBLE FEED

Part #:
M12YCBLD3PIN1500 (59 in. | 1.5 m)

1	GND
2	Data
3	V +

0.63 in. (16 mm)

1.1 in. (28 mm)

1.85 in. (47 mm) 4.13 in. (105 mm) 2.13 in. (54 mm) 59.06 in. (1500 mm)
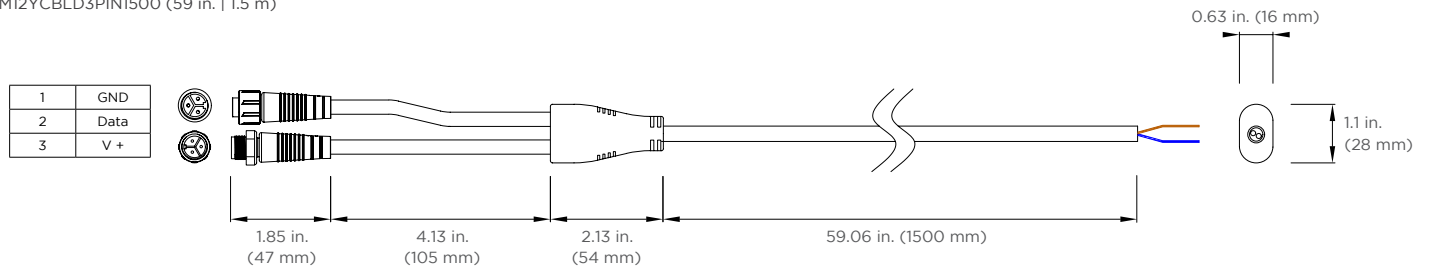
M12 3-PIN POWER & DATA INJECTOR CABLE

Part #:
M12YCBLP3PIN1500 (59 in. | 1.5 m)

59.06 in. (1500 mm)

0.87 in. (22 mm)

1.54 in. (39 mm)

1	GND
2	Data +
3	Data -
4	NC

1.85 in. (47 mm) 4.13 in. (105 mm) 2.13 in. (75 mm) 4.13 in. (105 mm) 1.85 in. (47 mm)

1	GND
2	Data
3	V +
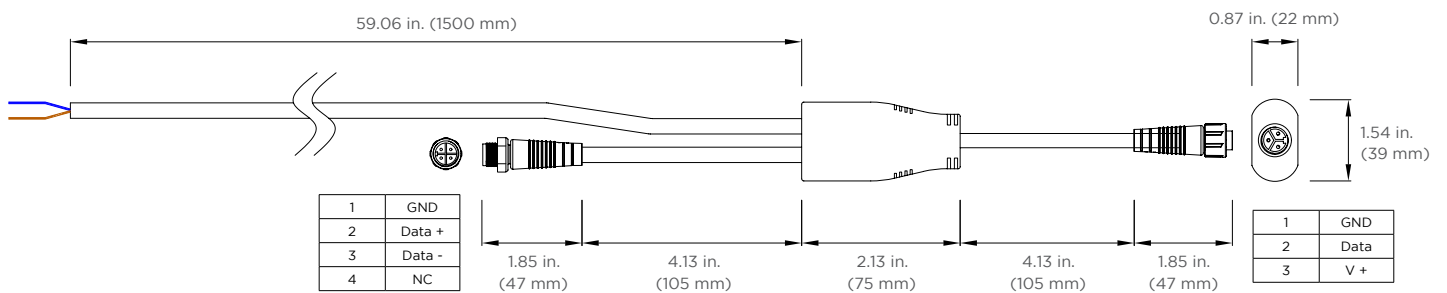
M12 4-PIN INPUT CABLE, RJ45 TO FEMALE

Part #:
M12CBLRJ45F4PIN15000 (49 ft | 15 m)
M12CBLRJ45F4PIN30000 (98 ft | 30 m)
M12CBLRJ45F4PIN5000 (164 ft | 50 m)

RJ45		
1	Orange/White	Data +
2	Orange	Data -
3	Green/White	Not used
4	Blue	Not used
5	Blue/White	Not used
6	Green	Not used
7	Brown/White	GND
8	Brown	GND

0.59 in. (15 mm)

1.85 in. (47 mm) L 1.85 in. (47 mm)
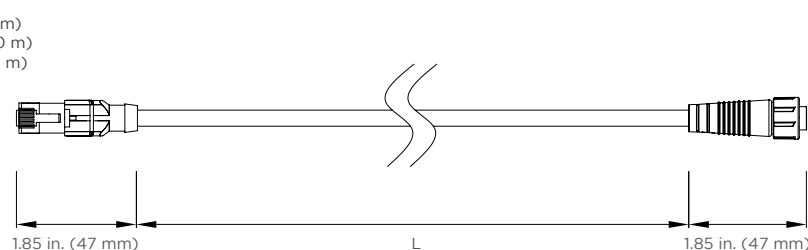
M12 4-Pin Female	
1	GND
2	Data -
3	Data +
4	NC

CONNECTIONS

BASIC - Power from middle

M12 3-pin power cable, double feed (49 ft 2.55 in. / 15 m)
M12YCBLD3PIN1500

Brown	+24V
Blue	-24V

24VDC

Green	Data In
Blue	GND

Maximum cable length of 9 ft 10.11 in. (3 m)
(If longer see advanced)

Data direction

Data lengths can be achieved by providing power every 39 ft 4.44 in. (12 m)
Up to 157 ft 5.76 in. (48 m) of fixture per output for data
Max 196 ft 10.2 in. (60 m) of the complete line including extension cables

39 ft 4.44 in. (12 m)
Note: Lengths longer than 19 ft 8.22 in. (6 m)
need power input from the middle

BASIC - Power from beginning

Junction
Box

Power Supply

220W-24V DC

M12 3-pin power cable, single feed (49 ft 2.55 in. / 15 m)
M12YCBLS3PIN1500

Brown	+24V
Blue	-24V

M12 3 pin
end cap

M12 3-pin female to bare wire input cable
M12CBLFB3PIN1000 (3 ft, 3.3 in. | 1 m)
M12CBLFB3PIN2000 (6 ft, 6.7 in. | 2 m)
M12CBLFB3PIN3000 (9 ft, 10 in. | 3 m)

Data direction

Green	Data
Blue	GND

Repeat group after every 19 ft 8.22 in. (6 m) of fixtures
until the total fixture length of 157 ft 5.76 in. (48 m)

ADVANCED CONNECTIONS

ADVANCED

PxLNet Controller

ArtNet /sACN

Power Supply
220W 24V DC

Junction Box

M12 power & data injector cable (49 ft 2.55 in. / 15 m)
M12YCBLP3PIN1500

Brown	+24V
Blue	-24V

M12 4-pin to Rj45 Input cable
M12CBLRJ45F4PIN15000 (49 ft 2.55 in. / 15 m)
M12CBLRJ45F4PIN30000 (98 ft 5.1 in. / 30 m)
M12CBLRJ45F4PIN5000 (164 ft 0.5 in. / 50 m)

Data direction

Starting group with a total fixture length of 19 ft 8.22 in. (6 m)

Power Supply
220W 24V DC

Junction Box

M12 3-pin power cable, single feed (49 ft 2.55 in. / 15 m)
M12YCBLS3PIN1500

Brown	+24V
Blue	-24V

M12 3 pin End cap

Repeat group after every 6mtr of fixtures
until the total fixture length of 157 ft 5.76 in. (48 m) of the complete line