Date

Project

Notes

ARMOR SERIES | NANO EXTERIOR LINEAR FIXTURES

The Nano Linear fixture is the perfect solution for projects that require high output and tight beam control in minimal space. With three premium optic lens options and three standard lengths, the sleek anodized Nano Linear features six brilliant dimmable CCTs (2700K-6000K) that can be tailored for any application. Use Nano Linear to highlight architectural details or navigate small ledges and locations where space is at a premium. Armor Series Nano Linear fixtures come with a three–year warranty.

GEL-FLUSH™ TECHNOLOGY

The Armor Series Nano Linear fixture is manufactured with GelFlush™ Technology. This proprietary innovation uses a special Dow Corning sealant to protect your lighting from the elements. With Acolyte's Armor Series, there's no leaking and no condensation -- just clear, unobstructed beams of light!

ETL LISTED · CE · IP66

ORDERING GUIDE

Category	CRI	Wattage	Color Temperature		FWHM Beam Angle	Mounting Option
NANO						
NANO - Armor Nano	**80** - 80+ CRI	**0.2** - 182 mm / 7.2 in. (3 W)	**27**- 2700K	**40** - 4000K	**25X35** - 25x35°	**SI** - Snap-In
	90 - 90+ CRI	**0.5** - 500 mm / 19.7 in. (9 W)	**30** - 3000K	**50** - 5000K	**30** - 30x30°	**TS** - Tiltable Stand
		1.0 - 1000 mm / 39.4 in. (18 W)	**35** - 3500K	**60** - 6000K	**55** - 55x55°	

OPTIONAL ACCESSORIES:

1.) Armor Series Mounting Arms:

Small: ARMORMNT0609
Large: ARMORMNT1422

2.) Symmetric Louver:

NANOLOUV182 (182 mm)
NANOLOUV500 (500 mm)
NANOLOUV1000 (1000 mm)

3.) 2 Pin Male to Female Jumper Cable:

NANOJUMPMF1000 (1000 mm)
NANOJUMPMF2000 (2000 mm)

4.) 2 Pin Female Cable to Bare Wire:

NANOCBLFB300 (300 mm)
NANOCBLFB500 (500 mm)
NANOCBLFB1000 (1000 mm)
NANOCBLFB2000 (2000 mm)

DRIVERS:

96 W Non-dimming Driver

Driver Part No.: DRVW2496

0-10V Dimmable Waterproof Drivers

96W Part No.: DRVW249610P
288W Part No.: DRVW2428810P
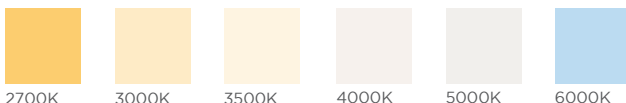
ELV/MLV Dimmable Drivers

60W Part No.: DRVW2460ELVMLV
96W Part No.: DRVW2496ELVMLV
150W Part No.: DRVW24150ELVMLV
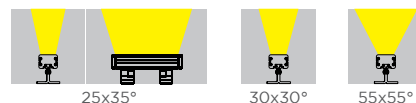300W Part No.: DRVW24300ELVMLV

DALI Dimmable Drivers

96W Part No.: DRVW2496DALI1CH
100W Part No.: DRV24100DALI1CH

AVAILABLE COLOR TEMPERATURES

2700K 3000K 3500K 4000K 5000K 6000K

AVAILABLE BEAM ANGLES

25x35° 30x30° 55x55°

SPECIFICATIONS

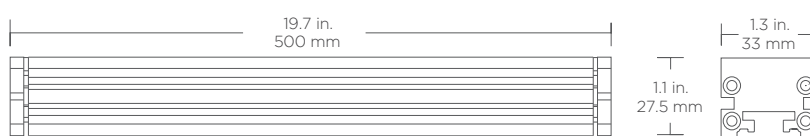|									
Operating Voltage	24 VDC								
Length	7.2 in. / 182 mm			19.7 in. / 500 mm			39.4 in. / 1000 mm		
Power Consumption	3 W			9 W			18 W		
LEDs per Fixture	6 LEDs			15 LEDs			30 LEDs		
Amperage	0.125 A			0.375 A			0.75 A		
Max. Run Length	Up to 14 fixtures			Up to 6 fixtures			Up to 4 fixtures		
Color Temperature	2700K, 3000K, 3500k, 4000K, 5000K, 6000K								
LED Beam Angle	30x30°	55x55°	25x35°	30x30°	55x55°	25x35°	30x30°	55x55°	25x35°
Lumen Output / Foot	355	359	352	355	359	352	355	359	352
Total Lumens	212	214	210	582.3	588.7	577.1	1164.6	1177.4	1154.2
Max. Run Length	Up to 14 fixtures			Up to 6 fixtures			Up to 4 fixtures		
Weight	0.77 lb / 0.35kg			1.65 lb / 0.75kg			3.3 lb / 1.5kg		
CRI	80+ or 90+								
LED Binning (SDCM)	3-step (80 CRI) or 2-step (90 CRI)								
Dimming Options	0-10 V, ELV/MLV, DALI								
Binning Tolerance	+/-100K								
Ambient Temperature	-40 — 122 °F (-40 — 50 °C)								
Housing / Lens	Housing: Extruded Aluminium / Lens: Clear UV Protected PMMA Cover: Tempered Glass End Caps: Extruded Aluminium / Brackets: Extruded Aluminium Housing, bracket, end cap material – 6063 high density aluminum alloy								
Connector	2 pin power connector								
Cable Length	11.81 in. / 300 mm								
Protection Rating	IP66								
Impact Rating	IK08								
Mounting Options	Snap-In Clip, Tiltable Stand (140° adjustable), Mounting Arms (available in 2 different sizes)								
Lifetime (L70 repported)	50,000 hours								
Certifications	CE, ETL / Luminaires – UL 1598, 3rd Ed., issued September 17, 2008, Rev. October 17, 2012 / Luminaires – CSA C22.2 No.250.0-08, 3rd Ed., issued September 17, 2008, Rev. October 17, 2012 (R2013)								
Fixture Color Finish	Anodized silver								

* ALL LUMEN DATA IS FROM 2700K 80 CRI FIXTURES

DIMENSIONS

7.2 in. / 182 mm:

7.2 in.
182 mm

1.3 in.
33 mm

1.1 in.
27.5 mm

19.7 in. / 500 mm:

19.7 in.
500 mm

1.3 in.
33 mm

1.1 in.
27.5 mm

39.4 in. / 1000 mm:

39.4 in.
1000 mm

1.3 in.
33 mm

1.1 in.
27.5 mm

MOUNTING HARDWARE / ACCESSORIES

MOUNTING HARDWARE

Snap-in Clip
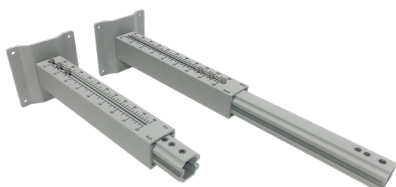For narrow installations where mounting clips need to be installed first

1.18 in. / 30 mm

1.57 in. / 40 mm

1.74 in. / 44.2 mm

1.57 in. / 40 mm
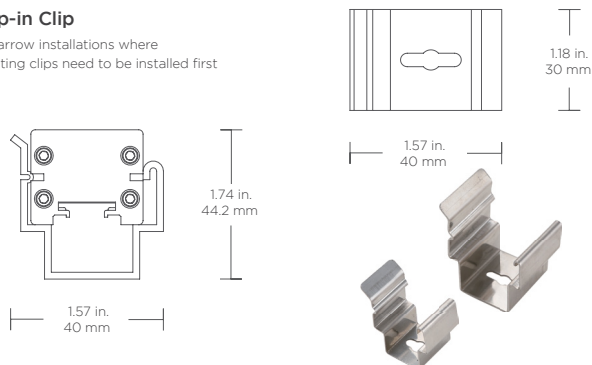
Tiltable Stand
For adjustable mounting angles

R 0.09 in. (2.29 mm) Thru

0.7 in. / 18 mm

1.26 in. / 32 mm

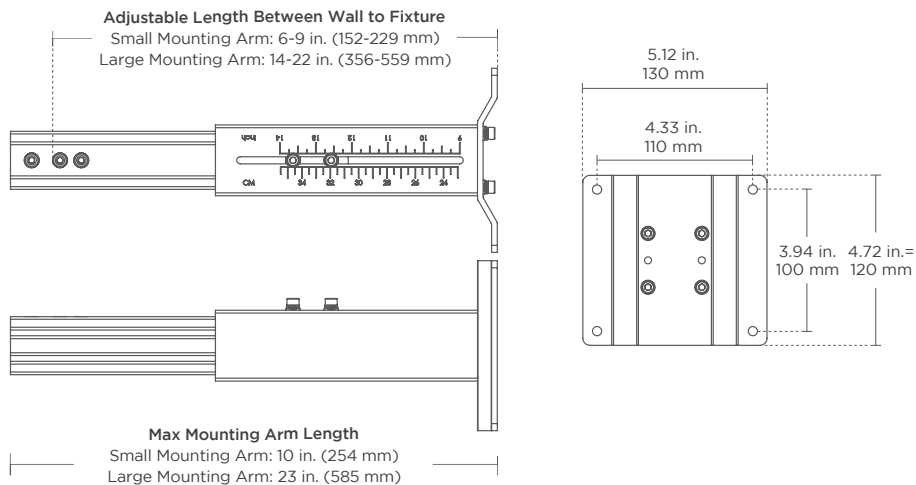2.18 in. / 55.4 mm

1.36 in. / 34.6 mm

1.26 in. / 32 mm

140°
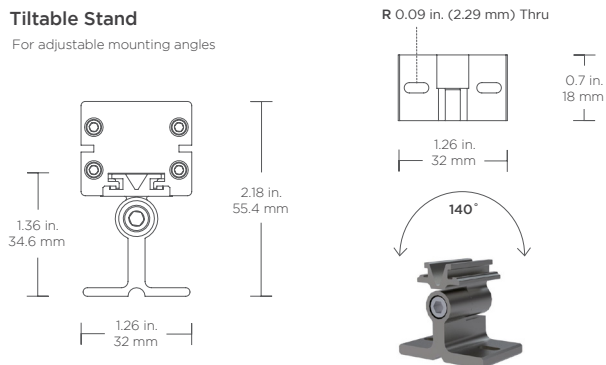
Mounting Arms
Small Mounting Arm Part Number: ARMORMNT0609
Large Mounting Arm Part Number: ARMORMNT1422

Armor Series Mounting Arm
Adjustable mounts (in 2 sizes) help set desired angle and distance from lighting surface

Adjustable Length Between Wall to Fixture
Small Mounting Arm: 6-9 in. (152-229 mm)
Large Mounting Arm: 14-22 in. (356-559 mm)

Max Mounting Arm Length
Small Mounting Arm: 10 in. (254 mm)
Large Mounting Arm: 23 in. (585 mm)

5.12 in. / 130 mm
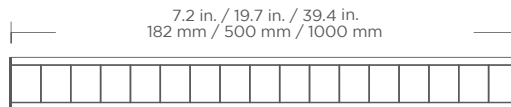4.33 in. / 110 mm
3.94 in. / 100 mm
4.72 in.= 120 mm

ACCESSORIES

Louver
Part Number: NANOLOUV

For glare reduction
Note: This will affect beam angle

NANOLOUV182 (182 mm)
NANOLOUV500 (500 mm)
NANOLOUV1000 (1000 mm)

7.2 in. / 19.7 in. / 39.4 in.
182 mm / 500 mm / 1000 mm

Side View

Not recommended for exterior applications

2 Pin Female Cable To Bare Wire
Part Number: NANOCBLFB
To bare wire for incoming power

NANOCBLFB300 (300 mm)
NANOCBLFB500 (500 mm)
NANOCBLFB1000 (1000 mm)
NANOCBLFB2000 (2000 mm)

2 Pin Male To Female Jumper Cable
Part Number: NANOJUMPMF
To connect 2 pin male connector to 2 pin female connector

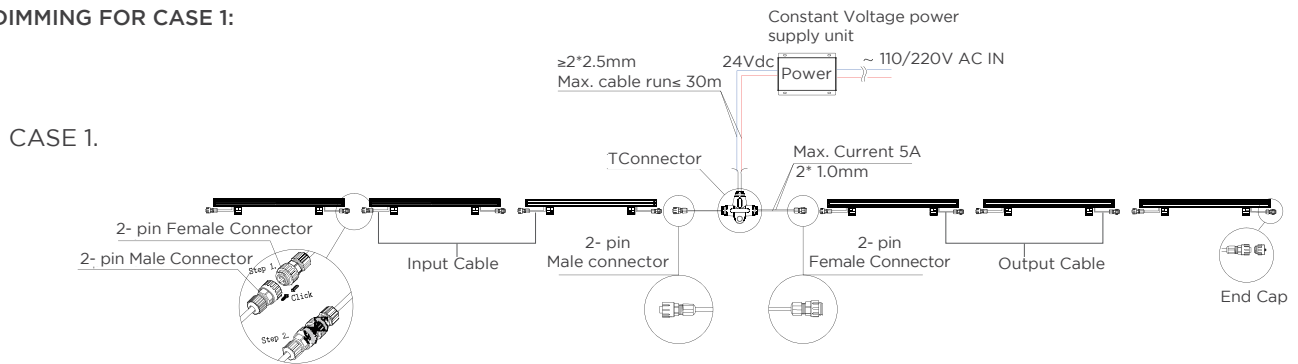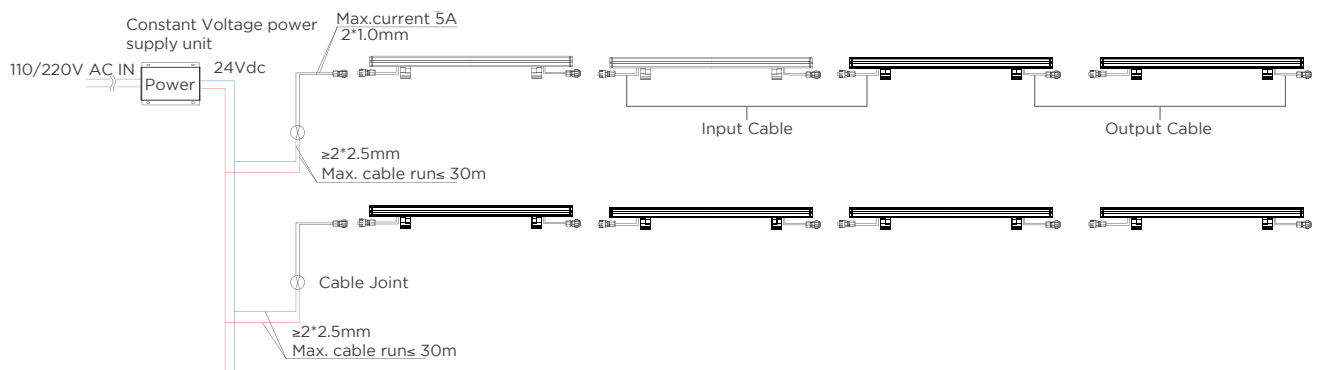NANOJUMPMF1000 (1000 mm)
NANOJUMPMF2000 (2000 mm)

INCLUDED IN BOX

Fixture with 19.7 in. / 500mm input/output cables
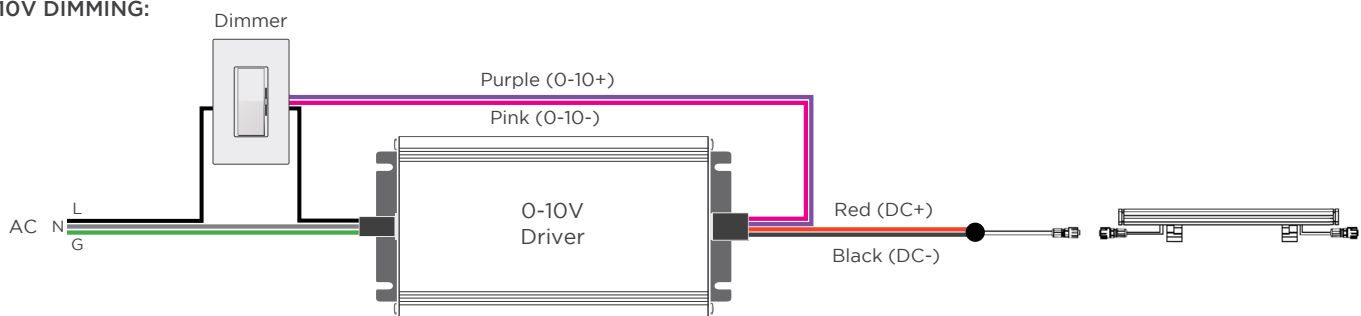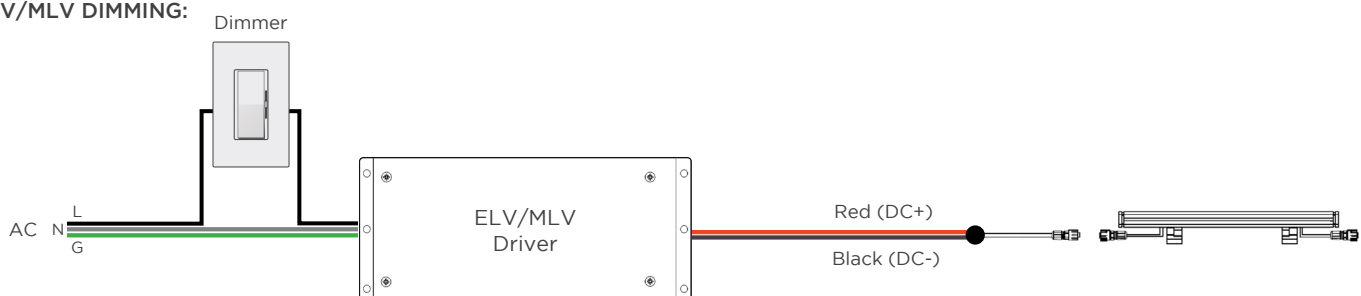+ 2 pin connectors

CONNECTION

NON-DIMMING FOR CASE 1:

Constant Voltage power supply unit

CASE 1.

≥2*2.5mm
Max. cable run≤ 30m

24Vdc

Power

~ 110/220V AC IN

TConnector

Max. Current 5A
2* 1.0mm

2- pin Female Connector

2- pin Male Connector

Step 1.

Click

Step 2.

Input Cable

2- pin
Male connector

2- pin
Female Connector

Output Cable

End Cap

CASE 2.

Constant Voltage power
supply unit

Max.current 5A
2*1.0mm

110/220V AC IN

Power

24Vdc

≥2*2.5mm
Max. cable run≤ 30m

Input Cable

Output Cable

Cable Joint

≥2*2.5mm
Max. cable run≤ 30m

0-10V DIMMING:

Dimmer

Purple (0-10+)

Pink (0-10-)

AC N

L

G

0-10V
Driver

Red (DC+)

Black (DC-)

ELV/MLV DIMMING:

Dimmer

AC N

L

G

ELV/MLV
Driver

Red (DC+)

Black (DC-)

CONNECTION

DALI DIMMING:

Constant voltage
power supply unit

2 - Pins Male Connector

110/220 V AC IN

V +
V -
AC / L
AC /IN DALI driver 1
DA +
DA -

Input Cable
Output Cable

2 - Pins Female Connector

Step 1.

Click

Step 2.

End Cap

V +
V -
AC / L
AC /IN DALI driver 2
DA +
DA -

Output Cable

Input Cable

Maximum Current 5A

3 - 0.75m

DALI
Controller

Dali Cable
Max run 200 m / 656 ft

CONNECTORS:

LPV-60-24   Class 2 Power Supply

Power

2 Pins Female
Connector

Input Cable

2 Pins Male
Connector

Mini Wall Washer

Output Cable

2 Pins Female
Connector