GEN LED ACOLYTE®
Architectural Lighting Solutions

Date	Project
Notes	

ARMOR SERIES | NANO EXTERIOR LINEAR FIXTURES

The NANO Linear is the perfect fixture where minimal space and high output and beam control are needed. With 3 different options for lensing, 6 different options for color temperature and 3 different lengths, the NANO can be tailored for any application. An outdoor IP66 rated fixture, use it to highlight architectural details or navigate small ledges and locations where space is at a premium. Armor Series NANO fixtures come with 3–year warranty.

GEL-FLUSH™ TECHNOLOGY

The NANO is now manufactured with our Gel–Flush™ Technology. This proprietary innovation prevents breaches from any weather-related elements. **GEN**LED Acolyte® exterior products are guaranteed to never leak, condensate, or be breached by any environmental elements. This results in a clear and unobstructed beam of light from our fixtures. No more water beads changing and/or refracting the specified beam angles!

Applications:

Commercial   Museums
Entertainment   Public Spaces

cETLus   CE   **IP66**

ORDERING GUIDE

Category	CRI	Voltage	Wattage	Color Temperature		FWHM Beam Angle
NANO						
NANO - Armor Nano	**80** - 80+ CRI	**24** - 24VDC	**3** - 3 W (7.2 in. / 182mm)	**27**- -2700K	**40** - 4000K	**25X35** - 25° X 35°
	90 - 90+ CRI		**9** - 9 W (19.7 in. / 500mm)	**30** - 3000K	**50** - 5000K	**30** - 30°
			18 - 18 W (39.4 in. / 1000mm)	**35** - 3500K	**60** - 6000K	**55** - 55°

Mounting Option	Dimming
SI - Snap-In	**0-10DA** - 0-10V or DALI dimmable
TS - Tiltable Stand	**TRI** - Triac dimmable
	(Use **TRI** model for non-dimming. Triac model is compatible with Acolyte MLV or Universal drivers.)

DRIVERS:

96W Non-dimming Driver + Dimming Module
(Use with 0-10V model)

Driver Part No.: DRVW2496
Dimming Module Part No.: LVDIMMOD0-10PWM
Note: The output of each dimming module is limited to 132W.

60W & 96W Magnetic Driver
(Use with Triac model)

60W Part No.: DRVWDIM2460
96W Part No.: DRVWDIM24100

60W & 96W Universal ELV Drivers
(Use with Triac model)

60W Part No.: DRVW2460ELV
96W Part No.: DRVW2496ELV

OPTIONAL ACCESSORIES:

1.) Armor Series Mounting Arms:

Small: ARMORMNT0609
Large: ARMORMNT1422

2.) Symmetric Louver:

NANOLOUV185 (185mm)
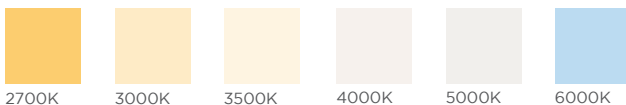NANOLOUV500 (500mm)
NANOLOUV1000 (1000mm)

3.) 2 Pin Male to Female Jumper Cable:

NANOJUMPMF1000 (1000mm)
NANOJUMPMF2000 (2000mm)

4.) 2 Pin Female Cable to Bare Wire:

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

AVAILABLE COLOR TEMPERATURES

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

SPECIFICATIONS

|								
Operating Voltage	24V DC							
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	30°	55°	25°x35°	30°	55°	25°x35°	30°	55°	25°x35°
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	
Control System	0~10V, Dali							
CRI	80+ or 90+							
LED Binning (SDCM)	3-step (80 CRI) or 2-step (90 CRI)							
Dimming Options	0-10V, DALI							
Binning Tolerance	+/-100K							
Ambient Temperature	-40° F to 122° F (-40° C to 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)							
Lamp Life	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
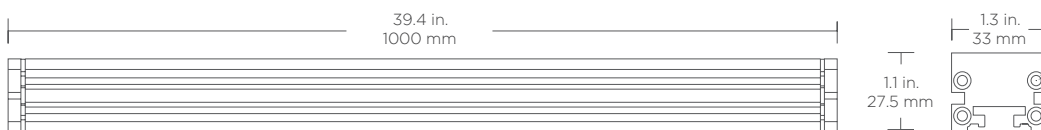
DIMENSIONS

7.17 in. / 182 mm:

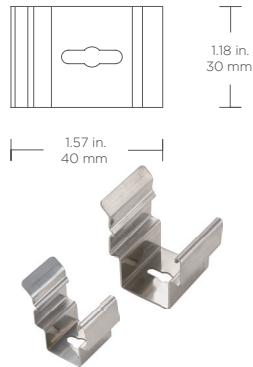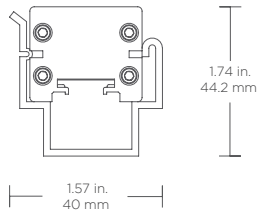**19.7 in. / 500 mm:**
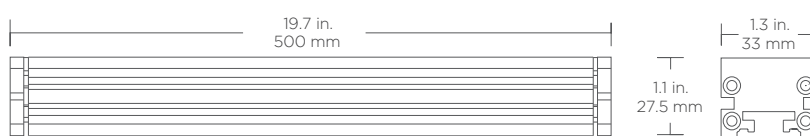
39.4 in. / 1000 mm:

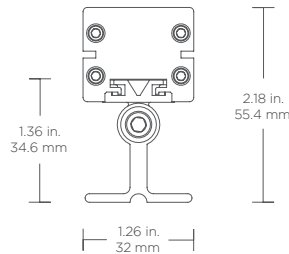# MOUNTING HARDWARE / ACCESSORIES

MOUNTING HARDWARE

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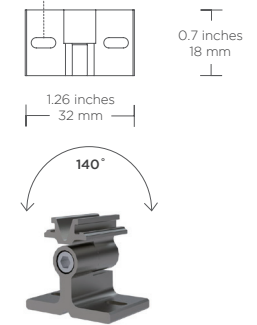For narrow installations where mounting clips need to be installed first

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

2.18 in.
55.4 mm

1.36 in.
34.6 mm

1.26 in.
32 mm

R 0.09" (2.29 mm) Thru

0.7 inches
18 mm

1.26 inches
32 mm

140°

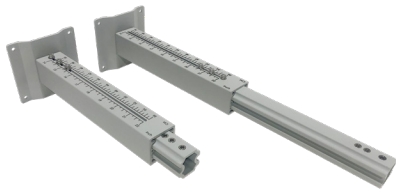### Mounting Arms

Small Mounting Arm Part Number: ARMORMNT0609
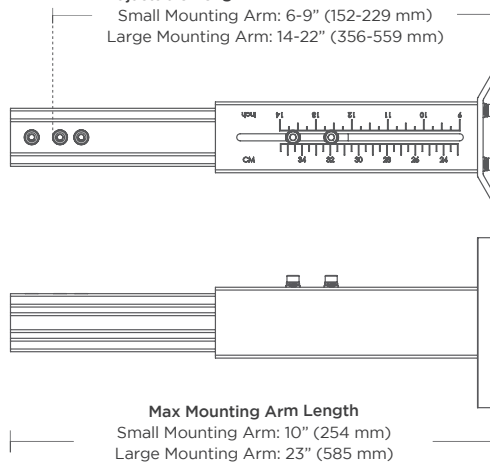Large Mounting Arm Part Number: ARMORMNT1422

Armor Series Mounting Arm
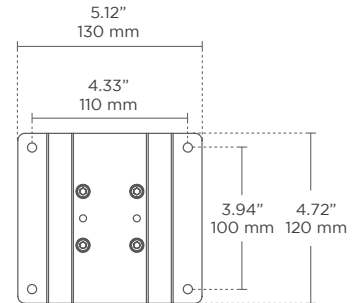Adjustable mounts (in 3 sizes) help set desired angle and distance from lighting surface

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

5.12"
130 mm

4.33"
110 mm

3.94"
100 mm

4.72"
120 mm

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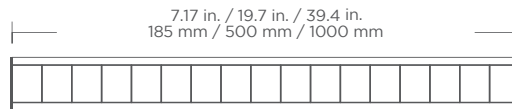Large Mounting Arm: 23" (585 mm)

ACCESSORIES

Louver
Part Number: NANOLOUV

For glare reduction
Note: This will affect beam angle

NANOLOUV185 (185mm)
NANOLOUV500 (500mm)
NANOLOUV1000 (1000mm)

7.17 in. / 19.7 in. / 39.4 in.
185 mm / 500 mm / 1000 mm

Not recommended for exterior applications

Side View

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

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

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

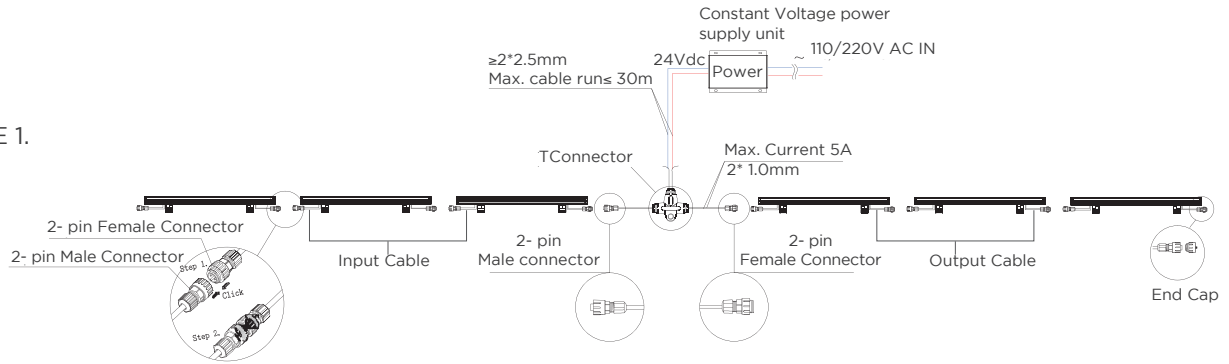NANOJUMPMF1000 (1000mm)
NANOJUMPMF2000 (2000mm)

INCLUDED IN BOX

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

WIRING DIAGRAMS

NON-DIMMING:

CASE 1.

Constant Voltage power supply unit

110/220V AC IN

≥2*2.5mm
Max. cable run≤ 30m

24Vdc

Power

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

24Vdc

Power

Input Cable

Output Cable

≥2*2.5mm
Max. cable run≤ 30m

Cable Joint

≥2*2.5mm
Max. cable run≤ 30m

0-10V DIMMING:

3-pin cable
1, LED+
2, LED -
3, PWM

3 x 0.75 mm² cable

0-10V   OUTPUT   POWER

V- V+ N/A PWM LED- LED+ DC- DC+

Constant Voltage
Power Supply Unit

220 VAC IN

V+
V-

Power

AC/L
AC/IN

Dimmer

CONNECTION

DALI DIMMING:

Constant voltage power supply unit

110/220 V AC IN

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

3 - Pins Female Connector

Input Cable

Output Cable

3 - Pins Female Connector

Step 1.

Click

Step 1.

End Cap

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

Output Cable

Input Cable

Maximum Current 3A
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

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