## ARMOR SERIES | MINI LINEAR INTERNATIONAL FIXTURES

With a small profile and 5 different optics options, you can use the Armor Series MINI Linear International fixture in several applications or one project. 6 color temperatures and 3 different lengths allow mixing and matching as needed to fit in any location. Choose the mounting bracket to match your application, from low space for vertical washing of facades, to the tilting bracket for a more focused control. This version is not compatible to be daisy chained with the regular USA MINI Linear fixtures. The Armor Series Mini Linear International comes with a three-year warranty.

### GEL-FLUSH™ TECHNOLOGY

The Armor Series MINI Linear International fixture is 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

ᶜ(ETL)ᵁˢ    CE    **IP66**

## ORDERING GUIDE

| Category | CRI | Voltage | Wattage | Color Temp | FWHM Beam Angle |
| --- | --- | --- | --- | --- | --- |
| MINI | | 24 | | | |
| **MINI** - Armor MINII | **80** - 80+ CRI | **24** - 24VDC | **5** - 5 W (185 mm / 7.28 in.) | **27** - 2700K | **10x40** - 10x40° |
| | **90** - 90+ CRI | | **15** - 15 W (500 mm / 19.7 in.) | **30** - 3000K | **15** - 15° |
| | | | **30** - 30 W (1000 mm / 39.4 in.) | **35** - 3500K | **20** - 20° |
| | | | | **40** - 4000K | **35** - 35° |
| | | | | **50** - 5000K | **50** - 50° |
| | | | | **60** - 6000K | |

| Mounting Option | Dimming |
| --- | --- |
| | |
| **SI** - Snap-In | **0-10DA** - 0-10V or DALI dimmable |
| **TS** - Tiltable Stand | **TRI** - Triac dimmable |
| **TSL** - Large Tiltable Stand | (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

**2.) Symmetric Louver:**

MINILOUV185 (185mm)
MINILOUV500 (500mm)
MINILOUV1000 (1000mm)

**3.) Asymmetric Louver:**

MINIALOUV185 (185mm)
MINIALOUV500 (500mm)
MINIALOUV1000 (1000mm)

**4.) Glare Shield:**

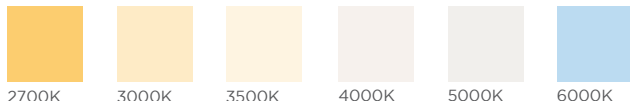MINISHLD185 (185mm)
MINISHLD500 (500mm)
MINISHLD1000 (1000mm)

**5.) 2 Pin Male to Female Jumper Cable:**

MINIJUMPMF1000 (1000mm)
MINIJUMPMF2000 (2000mm)

**6.) 2 Pin Female Cable to Bare Wire:**

MINICBLFB300 (300mm)
MINICBLFB500 (500mm)
MINICBLFB1000 (1000mm)
MINICBLFB2000 (2000mm)

## AVAILABLE COLOR TEMPERATURES

| 2700K | 3000K | 3500K | 4000K | 5000K | 6000K |
| --- | --- | --- | --- | --- | --- |

**OPTIONAL ACCESSORIES:**

**1.) Armor Series Mounting Arms:**

Small: ARMORMNT0609
Large: ARMORMNT1422

## SPECIFICATIONS

| | | | |
|---|---|---|---|
| Operating Voltage | 24V DC | | |
| Length | 185 mm / 7.28 in. | 500 mm / 19.69 in. | 1000 mm / 39.37 in. |
| Power Consumption | 5 W | 15 W | 30 W |
| LEDs per Fixture | 5 LEDs | 15 LEDs | 30 LEDs |
| Amperage | 0.2 A | 0.625 A | 1.25 A |
| Color Temperature | 2700K, 3000K, 3500K, 4000K, 5000K, 6000K | | |
| LED Beam Angle | 15°, 20°, 35°, 50°, 10°x40° | | |
| Lumen Output / Meter | 2952.4 | | |
| Lumen Output / Foot | 900.12 | | |
| Total Lumens | 570.6 | 1476.2 | 2952.4 |
| Max. Run Length | 14 fixtures | 8 fixtures | 4 fixtures |
| Weight | 0.48 kg / 1.06 lb | 0.85 kg / 1.87 lb | 1.2 kg / 2.65 lb |
| Control System | 0~10V, DALI | | |
| CRI | 80+ or 90+CRI | | |
| LED Binning (SDCM) | 3-step (80 CRI) or 2-step (90 CRI) | | |
| Binning Tolerance | +/- 100K | | |
| Ambient Temperature | -40° C to 50° C (-40° F to 122° F) | | |
| Housing / Lens Materials | Housing: Extruded Aluminium / Lens: Clear UV Protected PMMA<br>Cover: Tempered Glass<br>End Caps: Extruded Aluminium / Brackets: Extruded Aluminium<br>Housing, bracket, end cap material – 6063 high density aluminum alloy | | |
| Connector | 2 pin power connector | | |
| Cable Length | 300 mm (11.81 in.) | | |
| Protection Rating | IP66 | | |
| Impact Rating | IK08 | | |
| Mounting Options | Snap-In Clip, Tiltable Stand (140° adjustable), Large Tiltable Stand (180° 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 /<br>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 / MOUNTING HARDWARE:

185 mm / 7.28 in.:

185 mm
7.28 In.

51 mm
2 In.

33 mm
1.3 In.

500 mm / 19.7 in.:

500 mm
19.7 In.

51 mm
2.0 In.

33 mm
1.3 In.

1000 mm / 39.4 in.:

1000 mm
39.4 In.

51 mm
2 In.
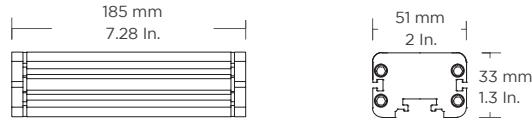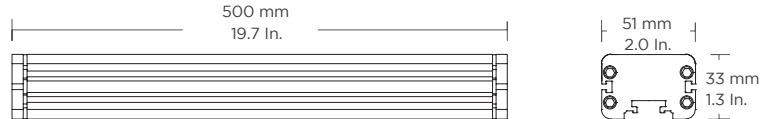
33 mm
1.3 In.
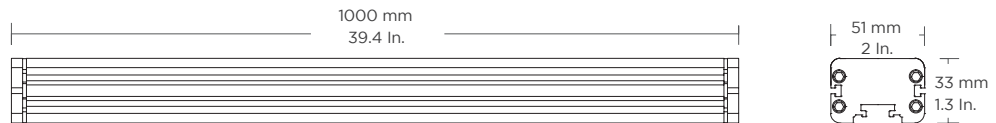
## MOUNTING HARDWARE

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

51.82 mm
2.04 in.

59.94 mm
2.36 in.

62 mm
2.44 in.

24.89 mm
0.98 in.

60 mm
2.36 in.

**Tiltable Stand**
For adjustable mounting angles up to 140°

69.34 mm
2.73 in.

50.8 mm
2 in.

R 2.29 mm (0.09 in.) Thru

29.97 mm
1.18 in.

50.8 mm
2 in.
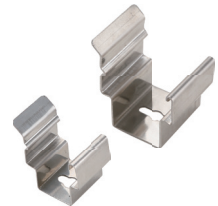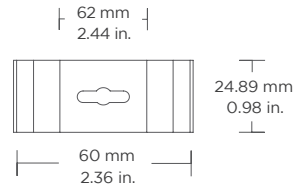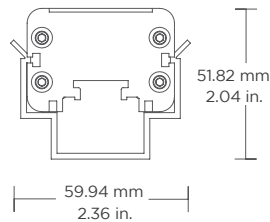
140°

**Large Tiltable Stand**
For adjustable mounting angles up to 180°

81 mm
3.19 in.

60 mm
2.36 in.

R 2.29 mm (0.09 in.) Thru

29.97 mm
1.18 in.

60 mm
2.36 in.
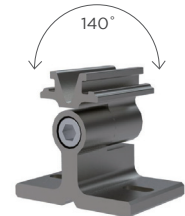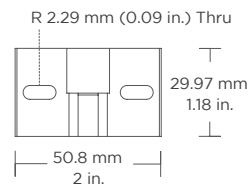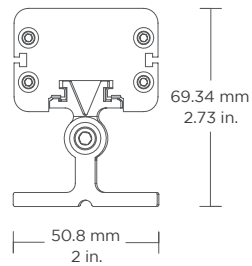
180°
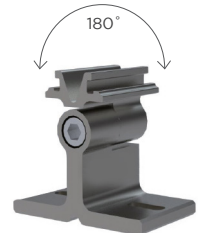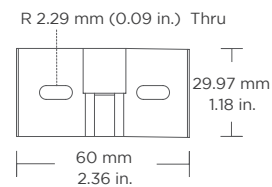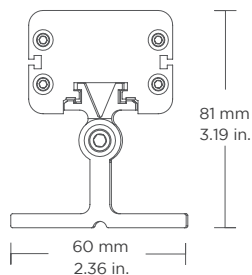
## MOUNTING HARDWARE / ACCESSORIES

### MOUNTING HARDWARE

#### Mounting Arms

Small Mounting Arm Part Number: ARMORMNT0609
Large Mounting Arm Part Number: ARMORMNT1422
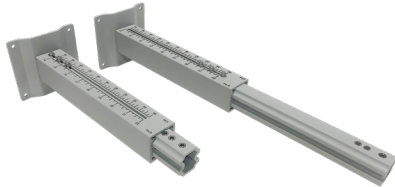
**Armor Series Mounting Arm**
Adjustable mounts (in 3 sizes) help set
desired angle and distance from lighting surface

**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"    4.72"
100 mm   120 mm

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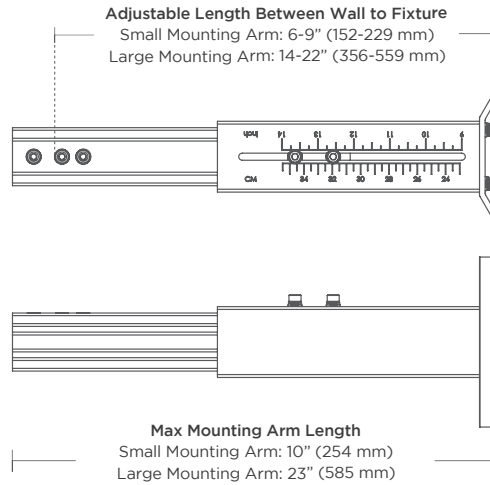
### ACCESSORIES

Part Number: MINILOUV

**Louver**
For glare reduction
Note: This will affect beam angle

**7.17 in./182 mm** (for 7.28 in./185 mm fixture),
**19.57 in./497 mm** (for 19.7 in./500 mm fixture),
**39.25 in./997 mm** (for 39.4 in./1000 mm fixture)

Not recommended for exterior applications

2.1 In.
54 mm

1.4 In.
34.2 mm

Side View
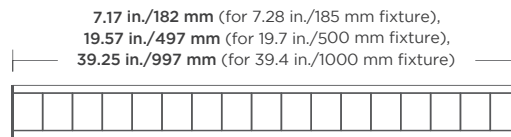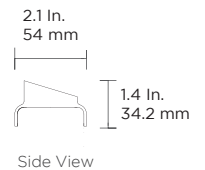
Part Number: MINIALOUV

**Asymmetric Louver**
For glare reduction
Note: This will affect beam angle

**7.17 in./182 mm** (for 7.28 in./185 mm fixture),
**19.57 in./497 mm** (for 19.7 in./500 mm fixture),
**39.25 in./997 mm** (for 39.4 in./1000 mm fixture)

Not recommended for exterior applications

2.1 In.
54 mm

1.4 In.
34.2 mm

Side View
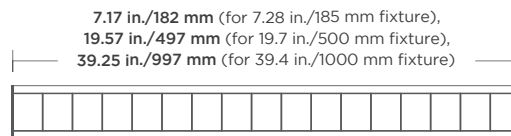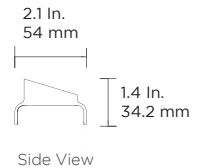
Part Number: MINISHLD

**Glare Shield**
To reduce glare or redirect light

**7.17 in./182 mm** (for 7.28 in./185 mm fixture),
**19.57 in./497 mm** (for 19.7 in./500 mm fixture),
**39.25 in./997 mm** (for 39.4 in./1000 mm fixture)

2.28 In.
57.9 mm
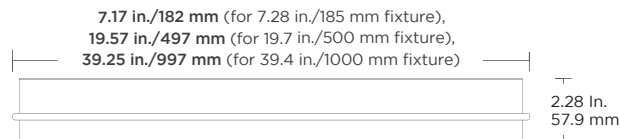
Adds 2.0 in. / 50.8 mm to the height of the fixture

3.48 in.
88.3 mm

1.35 in.
34.4 mm

Side View
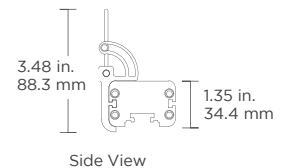
Default cable length on fixture is 11.81 in. / 30 cm

**2 Pin Female Cable To Bare Wire**
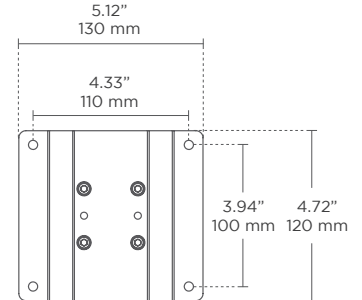To bare wire for incoming power

MINICBLFB300 (300mm)
MINICBLFB500 (500mm)
MINICBLFB1000 (1000mm)
MINICBLFB2000 (2000mm)

**2 Pin Male To Female Jumper Cable**
To connect 2 pin male connector to 2 pin female connector

MINIJUMPMF1000 (1000mm)
MINIJUMPMF2000 (2000mm)
*Consult factory for custom length

## CONNECTION

### NON DIMMING:

CASE 1.

constant voltage power
supply unit

≥2*2.5mm
Max. cable run ≤ 30m

24Vdc    POWER    ~ 110/220V AC IN

T Connector

Max. current 5A
2*1.0mm

2-pin Female connector

2-pin Male connector

Step 1.

Click

Step 2.

Intput 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

Intput 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

V+
V-    Power    AC/L
AC/IN    220 VAC IN

Dimmer

CONNECTION

## DALI DIMMING:

Constant voltage
power supply unit

3 - Pins Female Connector

110/220 V AC IN

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

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
INPUT : 100-240V   ~  1.8A
OUTPUT : +24V          2.5A

Power

2 Pins Female
Connector

Input Cable

2 Pins Male
Connector

Mini Wall Washer

Output Cable

2 Pins Female
Connector

REV.23APR2021

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