

The ZLM Series Installation Manual

SINGLE UNIT FIXED MOUNT INSTALLATION



APPLICATION

ZLM luminaires are suitable for use in the following areas as defined by the National Electrical Code (NEC) and the Canadian Electrical Code (CEC):



Certified to: UL1598
CSA 22.2 NO. 250.0, CSA C22.2 NO 250.13

ZLM luminaires are suitable for permanent or fixed installation both indoors or outdoors, in dry or wet locations, and where the fixture may be subject to moisture, dirt, corrosion, vibration and rough usage.

Housing: Die-cast Powder Coated & Anodized Extruded Aluminum

Rated Voltage: 120-277 VAC , 50/60 Hz

Rated Current: ZLM: 2.5A | ZLM2: 4.9A

Connections: Standard: Black: Line | White: Neutral/Line 2 | Green: Ground

 Dimming: Black: Line | White: Neutral/Line 2 | Green: Ground
 Red: Dimming (+) | Orange: Dimming (-)

*For connections use wire rated to a minimum of 90° C

Temperature Range: -40° C to +45° C

Ingress Protection: IP66 | Suitable for Wet Locations



Installation



Spec Sheet



Webpage



WARNING

To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.



WARNING

To avoid electric shock, disconnect the luminaire from the supply circuit before opening for installation and servicing. Keep tightly closed when in operation.

SINGLE UNIT FIXED MOUNT INSTALLATION

Refer to alternate instructions if using Yoke Mount

STEP 1:

Inspect shipping package and contents to ensure no damage has occurred during shipping.

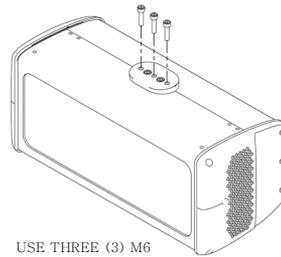
STEP 2:

Mount unit to bracket or mounting surface using a minimum of (2) M6 fasteners. Torque mounting fasteners to 80 in-lb.

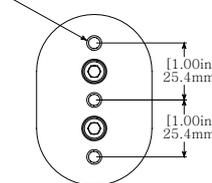
To provide adequate engagement, fasteners must have a minimum of 8mm and a maximum of 10mm exposed threads after insertion into user-supplied mounting hardware.

Use of medium strength thread-locker (Loctite 242 or equivalent) is recommended for all mounting hardware.

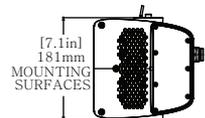
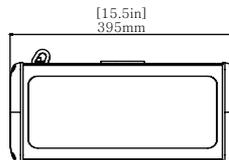
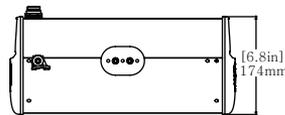
MOUNTING POINTS



USE THREE (3) M6 FASTENERS EACH SIDE



MOUNTING DIMENSIONS



STEP 3 (Optional):

Attach secondary safety chain or cable to attachment point using cable, quick link, or other locking connector system with a suitable load rating. It is recommended that at least one secondary safety attachment is made for each unit.

STEP 4:

Make wiring connections. Refer to NEC/CEC codes and follow all applicable local standards.

Standard (Turck minifast quick connect cable):

Connect Green wire to Ground, White wire to Neutral, and Black wire to Line. Single phase input, 120VAC to 277VAC only.



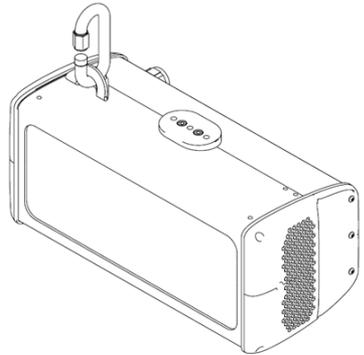
Black: Line | White: Neutral/Line 2 | Green: Ground

Dimming (Flying lead cable):

Connect Green wire to Ground, White wire to Neutral, Black wire to Line, single phase input, 120VAC to 277VAC only. Connect Red to Positive 0-10V Dimming Control Line, Orange to Negative 0-10V Dimming Control Line.



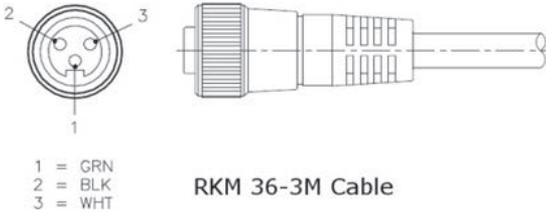
Black: Line | White: Neutral/Line 2 | Green: Ground
Red: Dimming (+) | Orange: Dimming

SECONDARY SAFETY

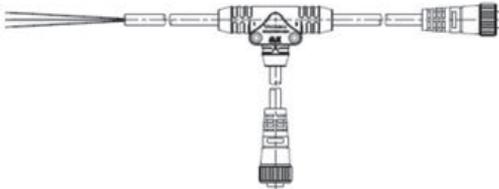
Turck Mini-fast Quick-Connector:

For standard units without dimming control, connect Turck 7/8" minifast receptacles to appropriate power cable or harness. Turck connector harnesses may be purchased directly from Nemalux.

For ZLM (single unit) use:
Turck RKM 36-3M connector cable



For ZLM2 (double unit) use:
Turck T-36-1717-3/RKM 36-0.5/RKM 36-0.5 dual unit connector harness or (2)
Turck RKM 36-3M connector cables



T-36-1717-3/RKM 36-0.5/RKM 36-0.5 ZLM2 Harness

YOKE MOUNT INSTALLATION



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*For connections use wire rated to a minimum of 90° C

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Ingress Protection: IP66 | Suitable for Wet Locations

YOKE MOUNT INSTALLATION

STEP 1:

Inspect shipping package and contents to ensure no damage has occurred during shipping.

STEP 2:

Loosely install central M6 mounting fastener on each side. If using an adjustable or multi-position bracket, aim fixture in desired direction. Install remaining (2) fasteners per side and torque all mounting fasteners to 80 in-lb.

To provide adequate engagement, fasteners must have a minimum of 8mm and a maximum of 10mm exposed threads after insertion into user-supplied mounting hardware.

Use of medium strength thread-locker (Loctite 242 or equivalent) is recommended for all mounting hardware.

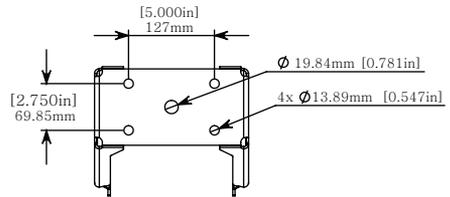
STEP 3 (Optional):

Attach secondary safety chain or cable to attachment point using cable, quick link, or other locking connector system with a suitable load rating. It is recommended that at least one secondary safety attachment is made on for ZLM and ZLM2 models.

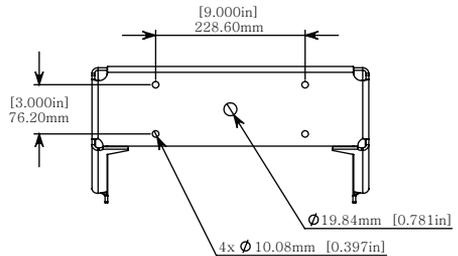
MOUNTING POINTS



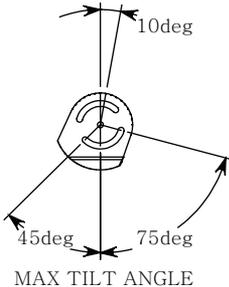
ZLM (Single unit)



ZLM2 (Dual unit)



TILT ANGLE INDICATORS



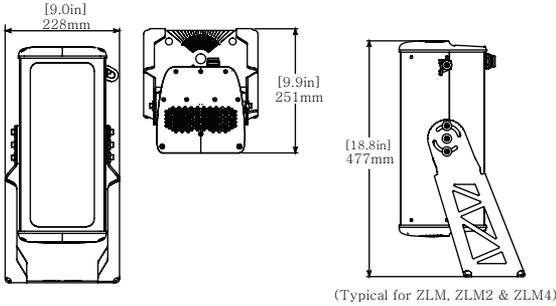
YOKE MOUNT INSTALLATION

STEP 4:

Resume installation instructions provided with fixture
(STEP 4 on PAGE 3).

MOUNTED DIMENSIONS

Single Vertical Yoke:



Double Vertical Yoke:

