

LUMINO

MATCH 3 M3-RT

INSTALLATION MANUAL

IMNA-M3-RT_R2301

TECHNICAL SUPPORT

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Installers must read this document and any other referenced documents in full before commencing installation work.

Failure to observe all installation guidance in this document may result in unsafe installation, cause permanent product damage and void product warranty.

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HANDLING PRECAUTIONS

OPTIC / LENS

To avoid permanent damage, do not allow small or sharp objects to apply pressure on to the plastic optic/lens.

STRESS

Never stand or place weighted items on the fixture. The fixture is not vandal resistant and has no IK rating. Do not subject the fixture to impact forces.

FIXING SURFACES

Check that surface is appropriate for the fixture being installed and can support its weight.

MODIFYING

The fixture must not be sawn, drilled or otherwise modified in any way.

DAMAGES

Inspect the product and accessories. If you see any damage upon unpacking, report to LUMINO immediately and do not install the product.

LOCATION

Check product label or specification for suitability for dry, damp or wet locations.

Protect fixture from dust, paint and harmful substances during installation and use. Ensure fixture is not exposed to VOC gases. Do not obstruct the product and its light output.

SAFETY GUIDANCE

WIRING GUIDE

When running cables through an enclosure, ensure cables are protected from damage. Make connections appropriate for the location rating of the product.

QUALIFIED INSTALLER & PRECAUTIONS

Installation must be carried out by a qualified person and conducted in accordance with local codes and national standards. Use appropriate PPE and tools for the installation, as well as have a sufficient number of qualified personnel to carry out the work.

THERMAL MANAGEMENT

Ensure ambient temperature (Ta) does not exceed 95°F and case temperature (Tc) does not exceed 185°F. Exceeding maximum Tc will cause permanent damage and void the product warranty.

Allow sufficient clear air space for the LED drivers, as well as suitable access to the drivers as specified on installation instructions.

REPAIR AND REPLACEMENT

If defective, contact LUMINO to register a Service Call for factory repair or replacement.

DRIVERS

POWER OFF

Before work commences, ensure the power supply is off. Fixture and driver must not be live wired.

CONSTANT CURRENT DC

Ensure supply current does not exceed 400mA (IC option) or 450mA (NC option), see product label. Only use this fixture with the supplied LED driver from LUMINO.

DIMMERS

Check dimmer is compatible with the driver and certified to local codes and national standards.

INRUSH CURRENT

Inrush current can reach up to 30A at 120VAC, use a suitable circuit breaker. If inrush current is a persistent problem, an inrush suppressor may be required.

MAINTENANCE

Allow for access to drivers for maintenance and have sufficient clear air space for ventilation.

CABLING

Do not overload the driver. Damage will be caused by incorrect input voltage, reverse polarity or short circuit. Plan for loads, driver locations, dimming and cabling prior to start of work. Ensure basic insulation is maintained between mains and dimming control wires.

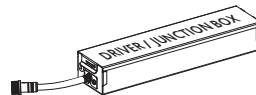
ACCESSORIES

Integral LED Driver

-ELV
ELV/TRIAC
Phase Cutting 3%

-D10
0/1-10V
Dim to off 0.1%

-DAL
DALI-2
Dim to off 0.1%

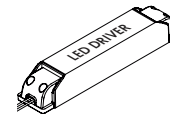


Remote LED Driver

-L01
Lutron Hi-Lume
2-wire, Dim to off 1%

-E01
eldoLED SOLOdrive
Dim to off 0.1% (logarithmic)

-T01
Tunable white driver



OPTIC FILTERS

-SF
Frosted soft focus filter

-HL
Honeycomb louvre

-SO
Solite Lens

-LS
Linear Spread Lens

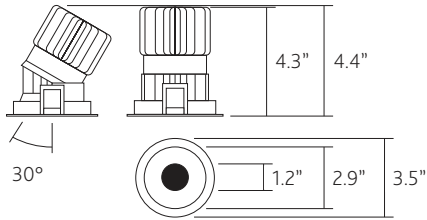


INSTALLATION

1. Plan Installation

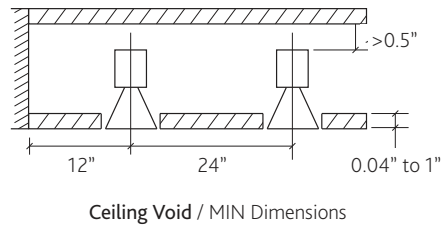
Fixture must be supplied with either an IC box or non-IC frame, refer to specification. Check this, the fixture and its dimensions against the planned installation.

The IC-box or non-IC frame must be installed beforehand. Considerations should be made about installations in damp or wet environments.



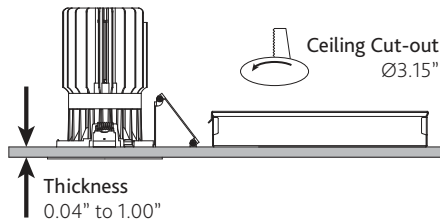
2. Surface Thickness & Space Requirements

It is important to allow plenty of space for the LED engine to effectively cool itself. Void space limits MUST be observed.



3. Drywall Requirements

Ensure that the surface used to support the fixture is the correct thickness as shown below.



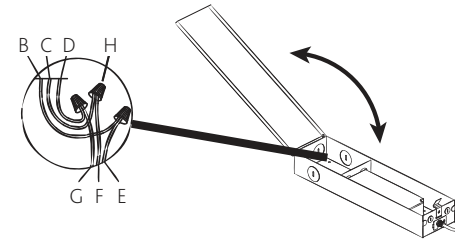
4. Prepare Power Supply

This fixture comes supplied with a LED driver installed in an enclosure. Allow one driver per fixture.

NC - Non-IC Option

NC1. Junction/Driver Box

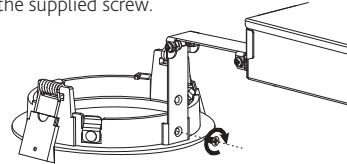
Connect mains and dimming (if specified) wires to the connectors within the junction box.



B = Black wire (L) from junction box
 C = White wire (N) from junction box
 D = Green wire / bare copper (G) from junction box
 E = Black wire (L) from fixture
 F = White wire (N) from fixture
 G = Green wire / bare copper from fixture
 H = Wire connectors x 3

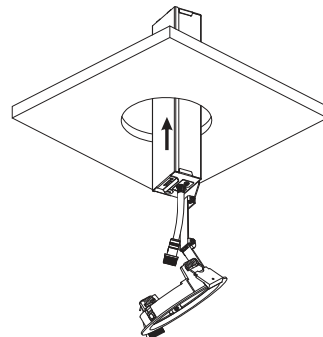
NC2. Attach to Trim

Attach the junction/driver box to the side of the trim with the supplied screw.



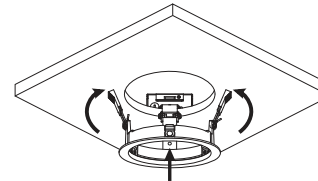
NC3. Install Junction/Driver Box

Install junction/driver box into the ceiling cut-out. Start by feeding in the junction box, ensuring that the junction box rests on the IC box or Non-IC frame on the other side of the ceiling mounting surface.



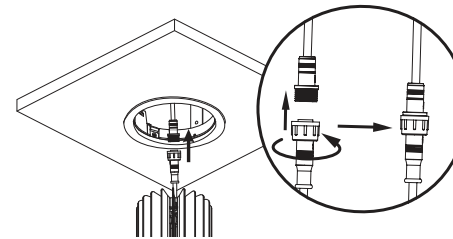
4. Install Trim

Raise the 2 x sprung mounting arms up and feed into ceiling cut-out. Then raise the rest of the trim into the ceiling in a controlled manner.



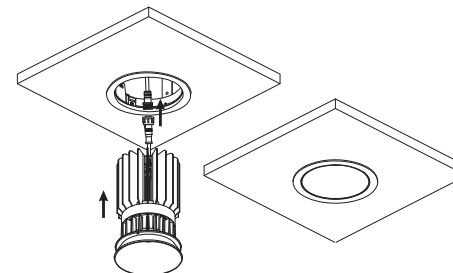
5. Connect to Junction Box

With the power off, join and secure the two plugs from the fixture and the junction box together.



6. Install Fixture

Feed the power cable into the ceiling void, then install the fixture into the ceiling trim. The fixture will click into place and will look flush with the trim.

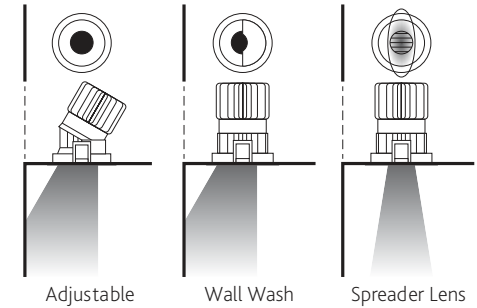


CHECK!

The fixture should not sit proud of the trim. If it does, remove, check for any obstructions and reinstall.

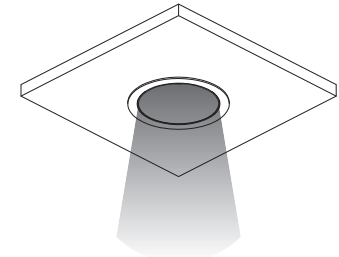
7. Adjustable / Wall Wash / Spreader Lens Option

Adjust the fixture according to the planned installation.



8. Power On / Test

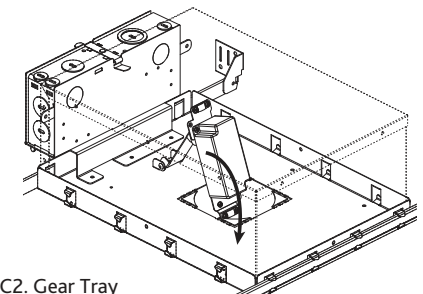
Validate functionality by powering on the fixture. If the fixture does not turn on, turn off the power immediately and check all connections before retesting.



IC - IC Box Option

IC1. Access to LED Driver

Disconnect the fixture from the LED driver, then pull gear tray towards the cut-out and pull down. Do not allow the fixture to hang by its cable.



IC2. Gear Tray

LED driver is held in with 2 x screws and 2 x nuts.