



MODEL LS393LED
INSTALLATION TYPE Direct Burial
IP RATING IP68
SUPPLY VOLTAGE 100-240 V AC, 50/60 Hz
 24 V DC Ripple Free Supply
 12 V AC Magnetic Transformer
INSTRUCTIONS COVER Single Colour
 Single Colour Dimming
 RGB (Integral & Remote Driver)

LS393LED Direct Burial

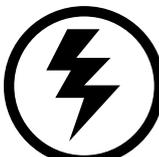
Warranty void if not installed as per installation instructions



DANGER

ISOLATE LUMINAIRE FROM POWER

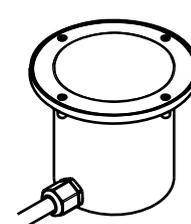
Failure to isolate power supply before installation or maintenance may result in fire, serious injury, electric shock, death and may damage the luminaire.



WARNING

Do not shorten, interfere or disconnect cable from fitting. Warranty will be void if cable assembly is tampered with. If cable is damaged replace with cable supplied by Lumascap only. This luminaire must only be installed by a licensed electrical worker. When installing, the thermal cutout **MUST** remain positioned beneath the terminal block mounting bracket, within the LS393LED.

COMPONENTS



1x Allen key

1x LS393LED

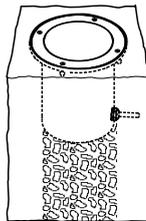
 Before you begin always check luminaire label for correct supply details and lamp type if applicable.

 Power supply must be isolated prior to connection or disconnection of cables. Failure to do so will result in damage to the luminaire components.

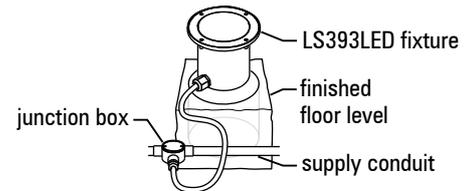
 When installing a luminaire with armoured cable and junction box assembly use electrical grade resin (contractor to provide) to water proof electrical connection in junction box after connection has been made and tested.

Select a suitable 12 V isolating type transformer or 24 V ripple free power supply and locate centrally in relation to luminaire locations. Use discretion in placement as luminaire can become very hot and may burn. Run conduit and drill/cast holes as specified. Run supply cables with the appropriate number of wire cores depending on your application. Refer to wiring diagrams in back for details. Check cable sizes and voltage drop on chart.

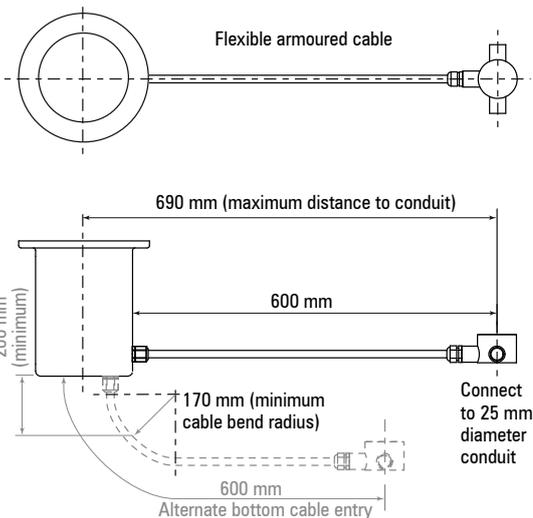
1. Locate luminaires
 Site luminaire, in proximity to cabling, in gravel, soil or concrete. Use discretion in locating luminaires as glass can become very hot and may burn.



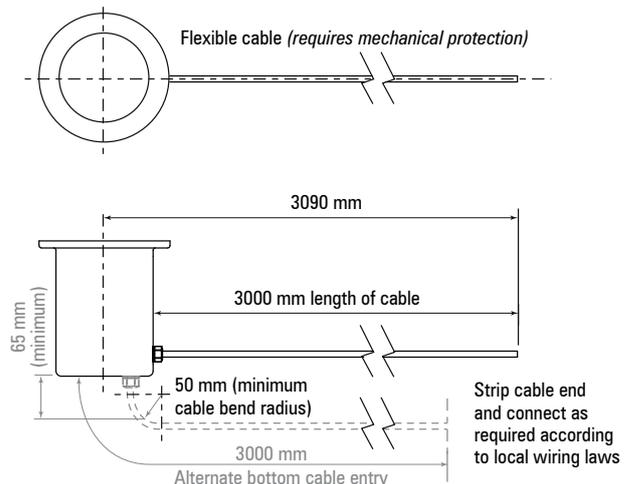
2. Supply connection
For type 81 armoured cable entry: Connect junction box to supply conduit and cover connections with electrical grade epoxy as per instructions.
For type 84 cable entry only: Connect cable in accordance with local wiring rules.



Type 81 cable entry:
 DIRECT BURIAL ARMOURED CABLE (not suitable for RGB)

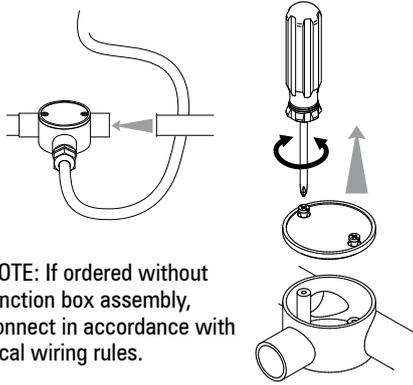


Type 84 cable entry:
 MICRO ANTILEACH 3M CABLE ENTRY



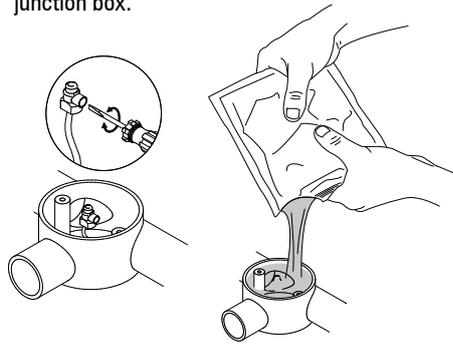
3. Supply connection - Type 81 connection only

Connect according to junction box installation instructions and local wiring rules.



4. Terminate and waterproof the connections

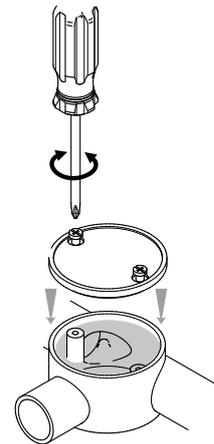
Connect wiring and test prior to potting. Add electrical grade epoxy resin to water proof junction box.



Power supply must be isolated prior to connection or disconnection of cables. Failure to do so will result in damage to the luminaire components.

5. Seal

Using a screwdriver seal junction box. Ensure not to over tighten.



6. Isolate luminaire

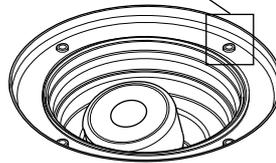
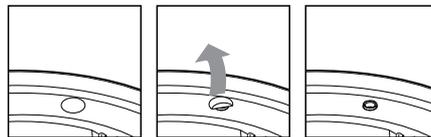
Make sure the fixture is electrically isolated before connecting the luminaire cable to the power supply.



Power supply must be isolated prior to connection or disconnection of cables. Failure to do so will result in damage to the luminaire components.

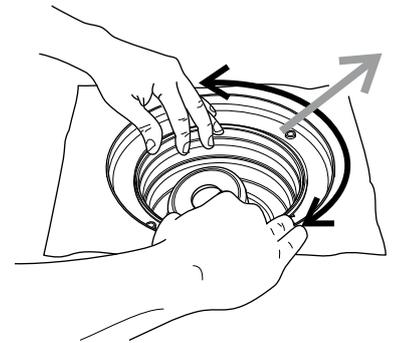
7. Remove protective stickers

Remove any protective stickers that may be there covering screw holes for the lid on the luminaire body.



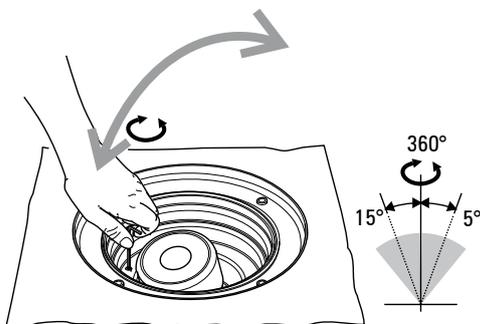
8. Target gimbal

Rotate gimbal until **Aiming Mark** is targeted as desired.



9. Lock gimbal

Lock Gimbal. Whilst exerting downward pressure on gimbal, tighten rotational lock grub screw.



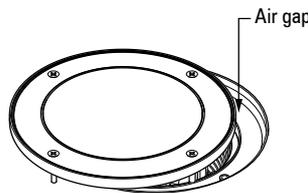
10. Run luminaire

Lay lid partially over luminaire to allow a gap for any moisture present to evaporate prior to sealing. Connect to supply and allow to burn for 10-15 minutes. Seal luminaire.

IMPORTANT - DO NOT ENERGISE WITHOUT PARTIALLY COVERING LAMP

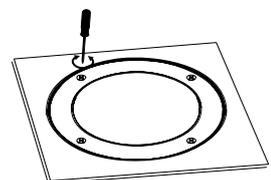
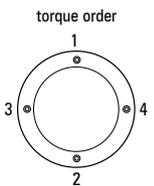
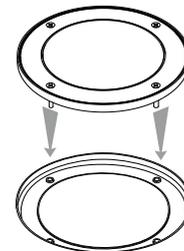


15 min.

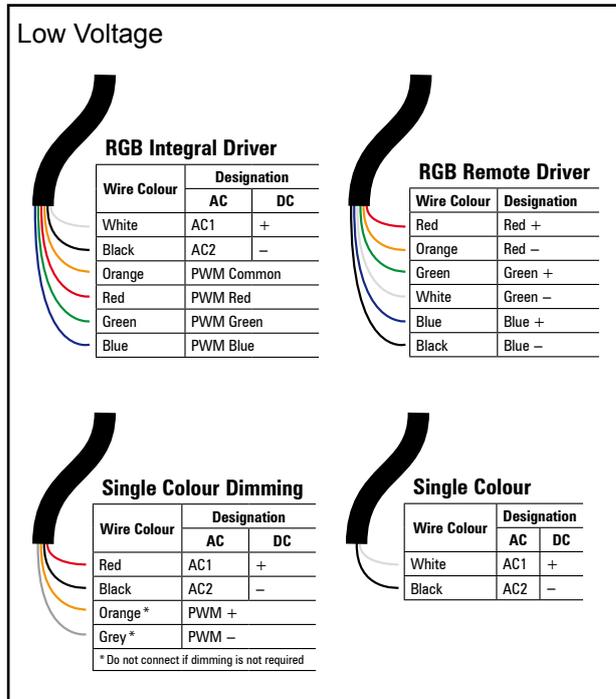
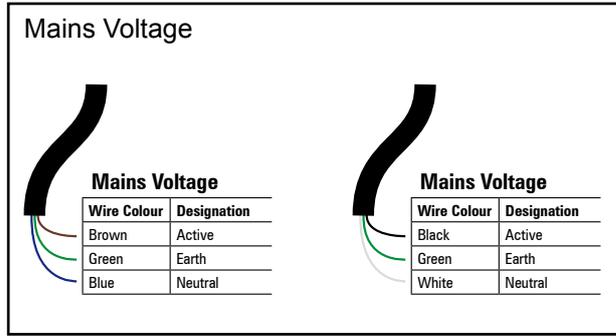


11. Seal luminaire.

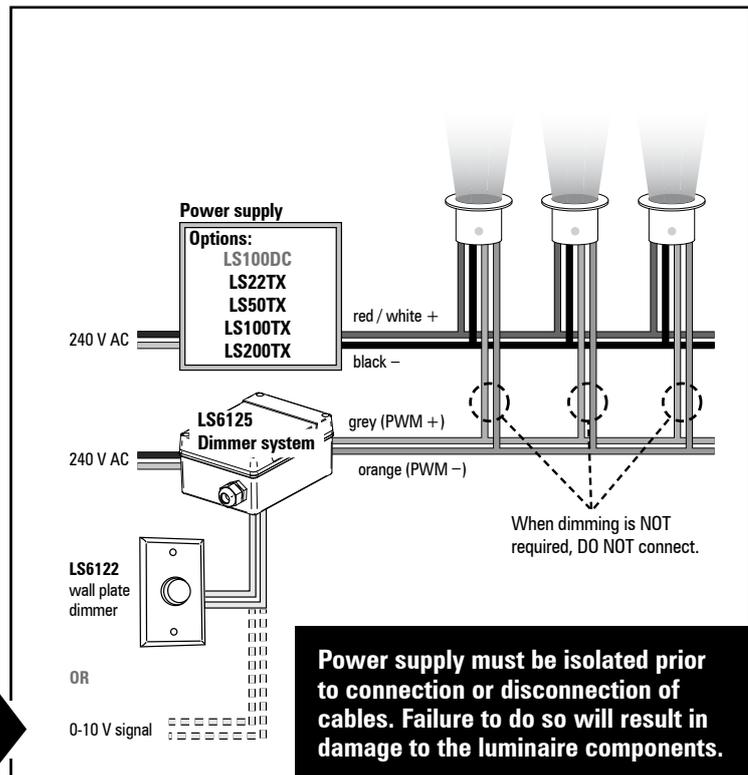
Seal immediately after de-energising. Ensure seal and sealing surface is clean. Clean glass if necessary and tighten lid screws. Lumascope recommends tightening in the below torque pattern **Do not overtighten screws, 4 Nm max.**



Wiring Diagrams



Single colour PWM to 0-10 V dimming with LS6125 and any third party PWM controllers



NOTE: If dimming is required use LS6125 PWM to 0-10 V dimming.

IMPORTANT: Please note that the PWM dimming signal polarity is reversed with Lumascope's LS6125 and any third party PWM controllers. See diagram on right for details.

Questions?

Call +61 7 3286 2299

Email sales@lumascope.com.au

www.lumascope.com.au

SAFETY INSTRUCTIONS

WARNING - To reduce the risk of FIRE or INJURY:

1. Luminaires and transformers to be installed by licensed electrical contractors.
2. Luminaires to be used for intended purpose only.
3. Do not operate the luminaires with a missing or damaged parts.
4. Use only genuine Lumascope parts to replace damaged or missing components.
5. Refer to instructions for installation and operating requirements.
6. Ensure installation complies with local regulations

Voltage insulation test (megger) will permanently damage product and will void warranty.

SAVE THESE INSTRUCTIONS.