

Installation Instructions

* Carefully review this document before installing or maintaining the unit *



Input: 240VAC, 50Hz
Weight: <3kg (all Single variants), <8kg (all Twin variants)
Windage: N/A

Mounting Options: This installation instruction outlines the method for installing the in a standard position on a horizontal bar

Tools Required: Small flat head screwdriver
 Torque wrench with M8 socket head

Cleaning/Maintenance: Clean with a damp lint free cloth.
 Do not use cleaning agents. Any debris on the top surface of the fitting should be washed out.

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person. This is a Class I luminaire and must be Earthed. High voltage testing can cause damage to the LED fittings – use appropriate installation test method.

1. ISOLATE MAINS AND OBSERVE ALL SAFE WORKING PRACTICES BEFORE ATTEMPTING ANY WORK

2. Fit ELEMENT to horizontal bar

Use the two provided M8 bolts to fix the luminaire to the horizontal bar with provided washers. If fitting to wide slot an additional penny washer may be required. The M8 bolts should go through the horizontal bar from above and fasten into the threaded holes in the ELEMENT bracket arm.

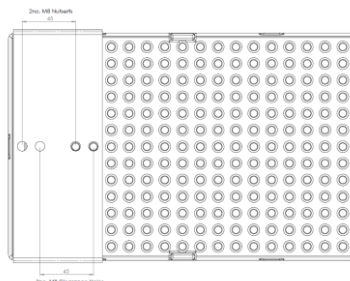
Tighten both screws by hand and then use a torque wrench to tighten up to 4Nm (+/-0.5Nm).

The ELEMENT fixture has two M8 tapped holes with a 45mm pitch, designed for the most common mounting applications. If this is not suitable then an adaptor plate may be necessary – please contact us for further information.

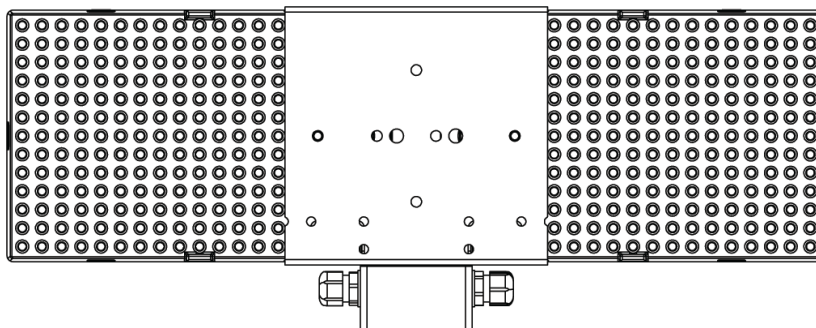
The ELEMENT luminaire (single and twin variants) have additional through holes in the mounting bracket which can be used as required by a professional installer to mount onto non-standard surfaces or structures.



ELEMENT:



TWIN ELEMENT:



3. Feed wires to IP rated area for connection.

(NB – if cutting wires back ensure that wire labels are removed and refitted to the shortened cable)

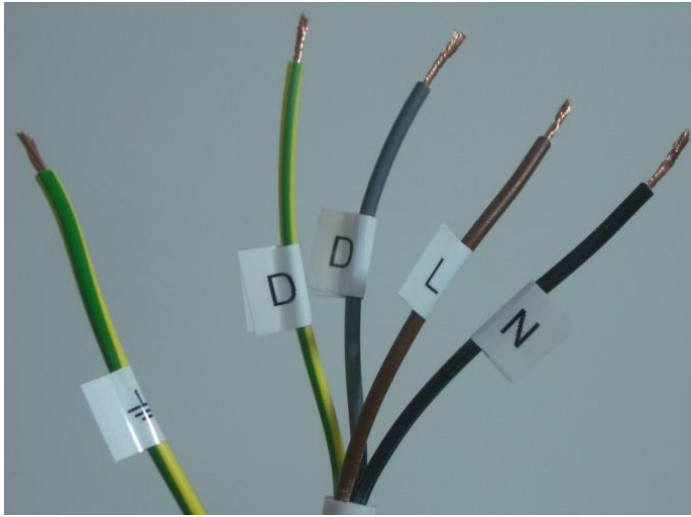
Single Unit Wiring

The 4-core cable from the contains Live (L), Neutral (N) and two DALI (D) connections. The wires are labeled accordingly.

Live and Neutral should be connected for ordinary operation.

The DALI connections allow for dimming and other features by using a DALI controller. There is no polarity to the DALI communication protocol. If a DALI controller is not used, the DALI connections should be left floating by wiring them into an unused connection.

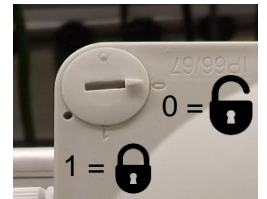
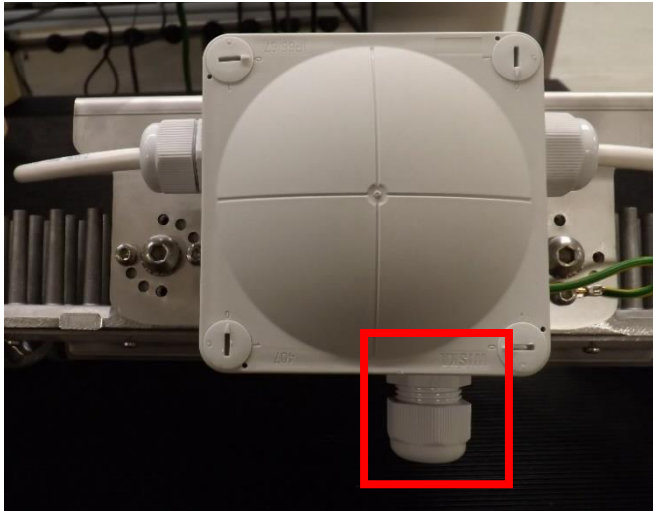
A separate Earth wire is provided which must be wired to an Earth connection.



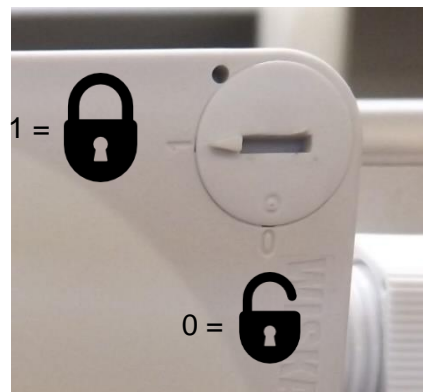
Twin Unit Wiring

Open junction box on the side of the unit, feed in supply cable into the free cable gland and wire according to the Wiring diagram below.

Ensure the cable gland is tightened on to the cable

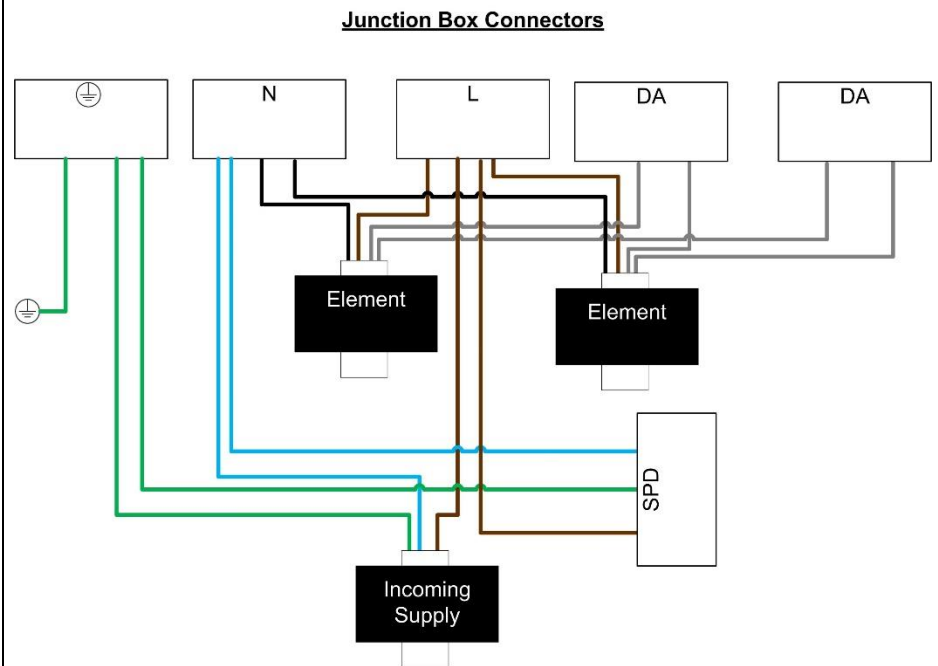


Refit cover and lock



WIRING DIAGRAM

Element Twin Wiring



4. Connect Surge Protection Device (SPD). (Single Unit ONLY)

Wire in a Class I SPD into the terminals at the connection point. SPD must be able to clamp L-N to 1100V maximum and, L/N-E to 1200V maximum during a surge event.

Suitable SPDs are available to purchase from Lighting - please enquire if needed.

Recommends an SPD is used not further than 3 meters of cable away from the connection of the ELEMENT. SPDs can be shared between luminaires so long as they meet this criteria.

For Twin Element Units

The SPD is supplied and connected in the junction box

NOTE: The must have an SPD connected at, or close to its input. This will protect the unit in the event of a surge.



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