

## Instructions for MINI STELLAR Luminaires

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*THE FOLLOWING INFORMATION IS CORRECT AT THE TIME OF PUBLICATION BUT PIERLITE RESERVES THE RIGHT TO MAKE SPECIFICATION CHANGES AS REQUIRED.*

<b>DESCRIPTION</b>	Class 1 surface mounting luminaire
	Rated Voltage 240V, 50Hz
	Body Material White powder coated Zincseal.
	Diffuser material High impact acrylic. Attached by 4 S/S Philips screws.
	Operating position Horizontal, facing down.
	Operating environment Industrial and commercial areas.

Model	Lamp Type / Average Rated Life (Hrs)	Rated Lamp Wattage	ta (°C)	Ballast type	Start Current (A)	Run Current (A)	Power Factor	Max. looping-in Current	Nom. Weight (kg)
STM_70HPS	HPS E27 16000	70 W	40	Magnetic	0.43	0.36	>0.9	15A	4.75
STM_70MH	MH E27 15000	70 W	40	Magnetic	0.42	0.36	>0.9	15A	4.3
STM_100MH	MH E27 15000	100W	40	Magnetic	0.71	0.53	>0.9	15A	4.5
STM_150MH	MH E27 15000	150 W	40	Magnetic	1.07	0.80	>0.9	15A	4.75

### 1. APPROVALS ETC.



N204



### 2. STORAGE

Prior to installation, luminaires and control gear boxes are to be stored in cool dry conditions.

***PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLING OR MAINTAINING THIS EQUIPMENT. A LICENCED ELECTRICIAN SHALL CARRY OUT INSTALLATION AND MAINTAINENCE. THE FOLLOWING INSTRUCTIONS SHOULD BE USED AS A GUIDE ONLY.***

### 3. INSTALLATION

Specifications on the rating label must be verified against the application requirements before installation. This is a Class 1 luminaire and it must be effectively earthed. Wiring must comply with the requirements of AS3000

**3.1 Tool requirements** No special tools are required for installation.

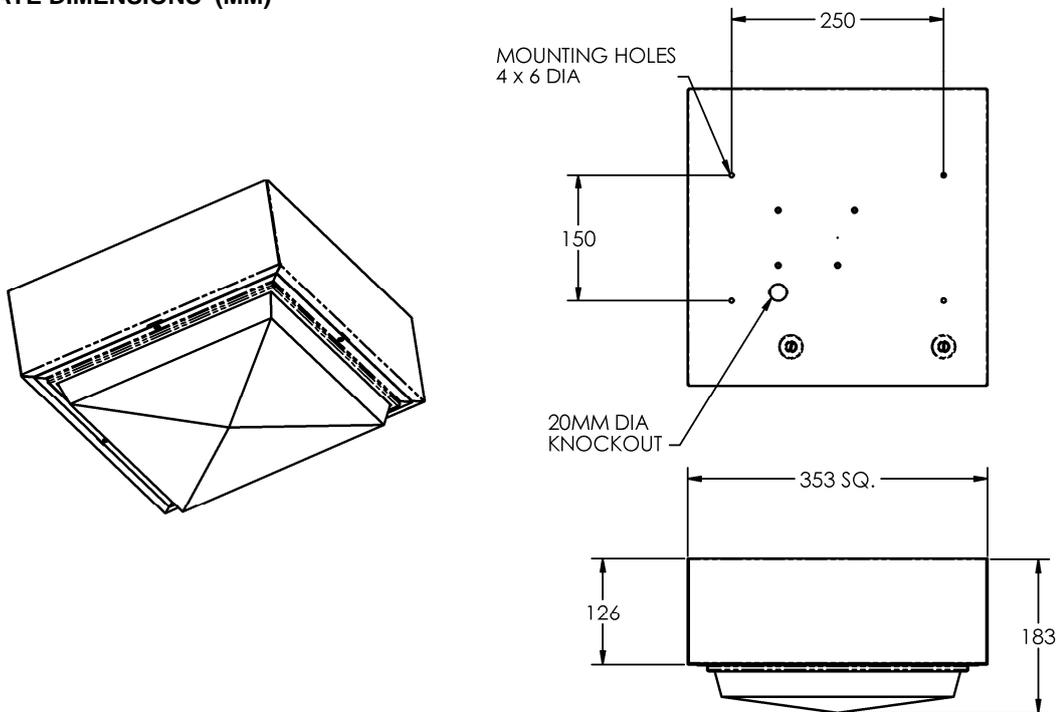
**3.2 Mounting** Holes are provided for supporting fasteners and cable entry – see diagram. Luminaires should be installed where access for maintenance is practical and in accordance with any lighting design information provided for the installation. The luminaire may be mounted on T-bars or any suitable horizontal surface.

**3.3 Electrical Supply** Operation between 228V and 254V is acceptable. Continuous operation above 254V or below 216V is not recommended. Slow acting switchboard fuse ratings must allow for the start current. Fuses can be fitted to all Pierlite products on request and Pierlite can provide fuse ratings for special and multi-configuration luminaires.

**3.4 Cabling** All cabling must meet the current requirements for the installation (see Section 1). To access the terminal block, remove the diffuser and the reflector. Install the conductors into the appropriate terminals, stripping the supply cable insulation so that no bare conductor protrudes from the terminal. All models are suitable for looping but current on through wiring must not exceed the value given in the table.

**3.5 Lamps** The lamp type is specified on a product rating label that is fixed to the reflector. Do not replace lamps with different wattages or types, as the lamp must be matched to the control gear. Fitting the correct replacement lamp will also preserve the certification conditions and obtain the intended photometric performance. There are no preferences regarding lamp make and colour unless specified on this label. As an explosion of a HID lamp outer bulb cannot be totally eliminated, the diffuser should be refitted before energising a HID lamp.

**4. APPROXIMATE DIMENSIONS (MM)**



**5. INSPECTION AND MAINTENANCE:**

Visual inspection should be carried out at a minimum of 12 monthly intervals and more frequently if conditions are severe. It is recommended that lamps be replaced when they have achieved their rated life, as light output gradually deteriorates over time.

- Ensure the lamp is lit when energised and that the lamp glass is not damaged.
- Check the tightness of the diffuser screws and tighten if necessary
- Clean the diffuser using a mild detergent. Stronger cleaning agents may damage the diffuser. Please contact your supplier if you are unsure of the suitability of the diffuser to the surroundings.
- When changing lamps, check that the diffuser gasket has not softened or become excessively deformed. Replace if in doubt.

**6. ELECTRICAL FAULT FINDING.**

Fault finding must be done by a licenced electrician. Isolate from the power supply before opening the luminaire. Check for unserviceable lamps, loose or broken connections and defective control gear. If any part is replaced, any insulating sleeving must be refitted and the wiring and connections should be checked. Refer to the technical sections of the Pierlite website for more detailed fault finding information.

**7. ACCESSORIES**

RECESSED MOUNTING FRAME