

## Instructions for UNIFLOOD MASTER Luminaires

XXXXXXXX, 2-4-02

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

<b>DESCRIPTION</b>	Type Rated Voltage Body Material Lens material Operating positions Operating environment Windage surface	Class 1 Floodlight 240V, 50Hz with power factor ≥0.9 Pressure diecast aluminium. Polyester powdercoat is optional. Toughened glass See page 3 Industrial and commercial areas. 0.22 m <sup>2</sup> max.
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Model	Lamp Type	Average Rated Life (Hrs)	Rated Lamp Wattage	ta (°C)	Start Current (A)	Run Current (A)	Nom. Weight(kg)
GMR_150HPS	HPS E40	24000	150	45	1.06	0.79	12.0
GMR_250HPS	HPS E40	24000	250	45	1.60	1.28	13.5
GMR_250MV	MV E40	24000	250	45	1.85	1.25	12.3
GMR_250MH	MH E40	10000	250	45	1.85	1.25	13.5
GMR_400HPS	HPS E40	24000	400	45	2.80	2.02	15.1
GMR_400MH	MH E40	20000	400	45	3.15	1.98	15.1

### SUGGESTED LAMP BRAND REPLACEMENTS & TYPICAL BALLAST TYPE USED.

Model	GE	Osram	Philips	Sylvania	Venture	Lamp Volts	Lamp Current (A)	Typical Ballast	Typical Ignitor	Cap mfd
GMR_150HPS	LU150/100 E40	NAV-T 150 E40	SON-T150 E40	SHP-T150W E40	SON-T150 E40	100	1.8	OMS150	AZRM6ES	18
GMR_250HPS	LU250 E40	NAV-T 250 E40	SON-T250 E40	SHP-T250W E40	SON-T250 E40	100	3.0	OGS250	AZRM6ES	30
GMR_250MH	---	HQI-T 250W/N/SI	HPIT250	HSI-THX-250 E40	HRIT250W D	130	2.13	OGB250	ATIG-14	18
GMR_250MV	H250/40 E40	HQL 250 E40	HPLN250 E40	HSL-BW 250W E40	MV250 E40	130	2.13	OGB250	---	18
GMR_400HPS	LU400/7/40 E40	NAV-T 400 E40	SON-T400 E40	SHP-T400W E40	SON-T400 E40	100	4.6	OGS400	AZRM6ES	45
GMR_400MH	---	HQI-T 400W/N/SI	HPIT400	HSI-THX-400 E40	HPIT400W D	135	3.25	OGB400	ATIG-14	25



### 1. STORAGE

Prior to installation, luminaires 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.**

### 2. 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** Install using the holes provided in the trunnion arm / mounting bracket. Luminaires should be installed where access for maintenance is practical and in accordance with any lighting design information provided for the installation.

**3.3 Electrical Supply** Operation between 225V and 255V is acceptable. Continuous operation above 255V 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 Table). Open the hinged cover to access the terminal block. Install the conductors into the appropriate terminals, stripping the supply cable insulation so that no bare conductor protrudes from the terminal. Any unused terminal should be fully tightened.

**3.5 Lamps** The lamp type is specified on a product rating label that is clearly visible when replacing the lamp. 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 bulb cannot be totally eliminated, the cover should be closed before energising a HID lamp.

**3.6 Sealing** Cable entry is via the cable gland provided or a screwed conduit adaptor. A rubber washer and silicone sealant should be applied between the outside of the luminaire body and the conduit / gland nut.

- With conduit, ensure that the other end of the conduit is not left open. Even if it is inside a building it allows water vapour and insects to enter the fitting. Seal all conduit joints using PVC cement.
- Glands are intended for round cable and will not seal against TPS cable.

#### **4. INSPECTION AND MAINTENANCE:**

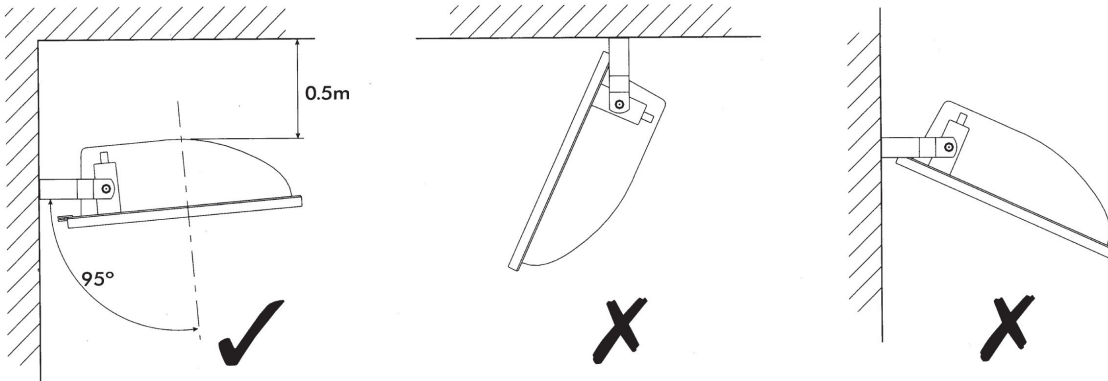
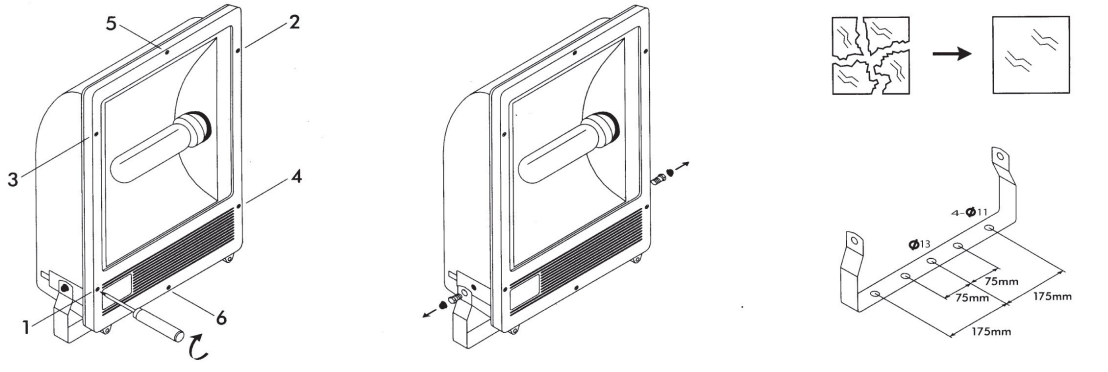
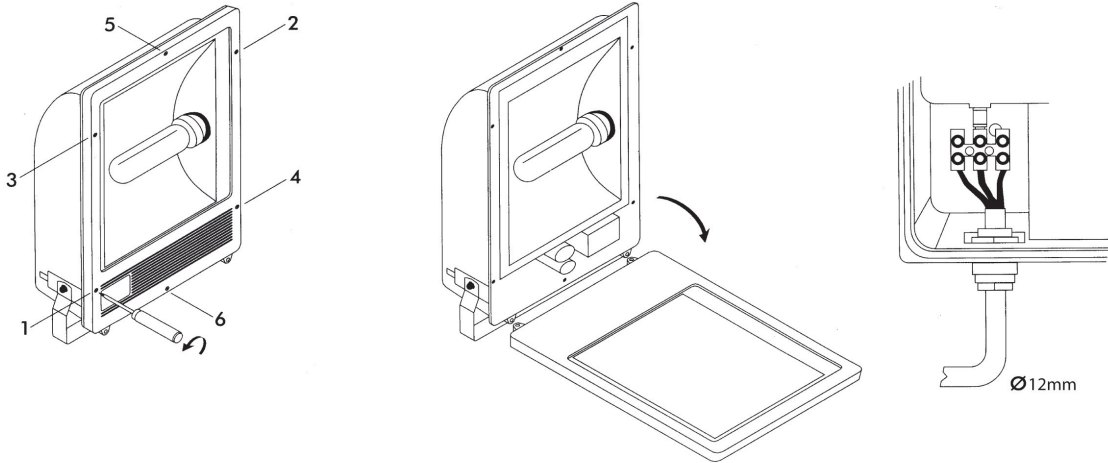
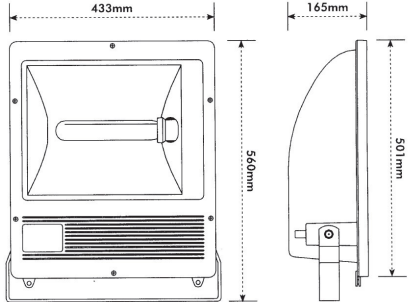
Visual inspection should be carried out at a minimum of 12 monthly intervals and more frequently if conditions are severe. It is recommended that lamps be replaced when they have achieved their rated life, as light output gradually deteriorates over time.

- Ensure the lamp is lit when energised and that the lamp glass is not damaged.
- When de-energised and left to cool there should be no sign of internal moisture. If there are signs of water ingress, the luminaire should be opened up, dried out, and the ingress points sealed.
- Check the cable gland for tightness and tighten if necessary.
- Check the tightness of the cover screws and tighten if necessary
- Clean the glass using a mild detergent.
- When changing lamps, check that the cover and glass seals have not softened or become excessively deformed. Replace if in doubt.

#### **5. 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.

# TRUNNION MOUNTING:



## SQUARE POLE / WALL MOUNTING:

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The 2 holes for mounting the fitting are shown in Fig. 1. The arm is approx. 165 mm long.

1. Secure the bracket to the wall / pole using the gasket provided.
2. Fit the cover over the bracket, so that the angled face of the cover matches the end of the bracket (See Fig. 2).
3. Fit the remaining gasket onto the bracket screws.
4. Secure the floodlight to the bracket using the M10 screws and lock washers provided.

