

## Instructions for NXS Luminaires

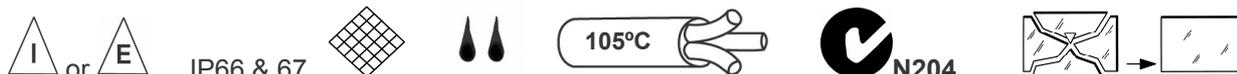
99000889, 11/7/07

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 Die-cast LM6 aluminium.
	Finish Epoxy or polyester powder coat over chromate treatment
	Diffuser material Borosilicate glass with silicone rubber seal
	Operating positions Lamps must be vertical with lamp base down or horizontal. For vertical operation, the capacitor must be at the bottom.
	Operating environment Outdoor industrial and commercial areas.

Model	Lamp Type / Average Rated Life (Hrs)		External Ignitor	Ta (°C)	Ballast type	Start Current (A)	Run Current (A)	Power Factor	Nom. Weight (kg)
NXS118C	18W PL-C	8000		55	Magnetic			≥0.9	
NXS226C	2x26W PL-C	8000		45	Magnetic			≥0.9	
NXS70HPS	70W HPS	16000	x	45	Magnetic	0.43	0.36	≥0.9	
NXS70HPSI	70W HPSI	16000		45	Magnetic	0.43	0.36	≥0.9	
NXS70MH	70W MH	15000	x	45	Magnetic	0.43	0.36	≥0.9	
NXS80MV	80W MV	8000		45	Magnetic	0.47	0.42	≥0.9	
NXS150GLS	150W GLS	1000		---	---			---	

### 1. APPROVALS ETC:



2. **STORAGE:** Store in cool dry conditions.

### 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 installation tools are required.

**3.2 Mounting** The luminaire may be mounted on any suitable surface. 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 228V and 255V is acceptable. Continuous operation above 255V or below 228V is not recommended. Use slow acting switchboard fuses which must allow for the start current

**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. Any unused terminal should be fully tightened. All models are suitable for looping but current on through wiring must not exceed the value given in the table. See the Table for the electrical current drawn by these fixtures.

**3.5 Lamps** The lamp type is specified on a product rating label that is clearly visible when replacing the lamp. There are no requirements regarding lamp make and colour unless specified on this label. Do not replace lamps with other 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. It is recommended that lamps

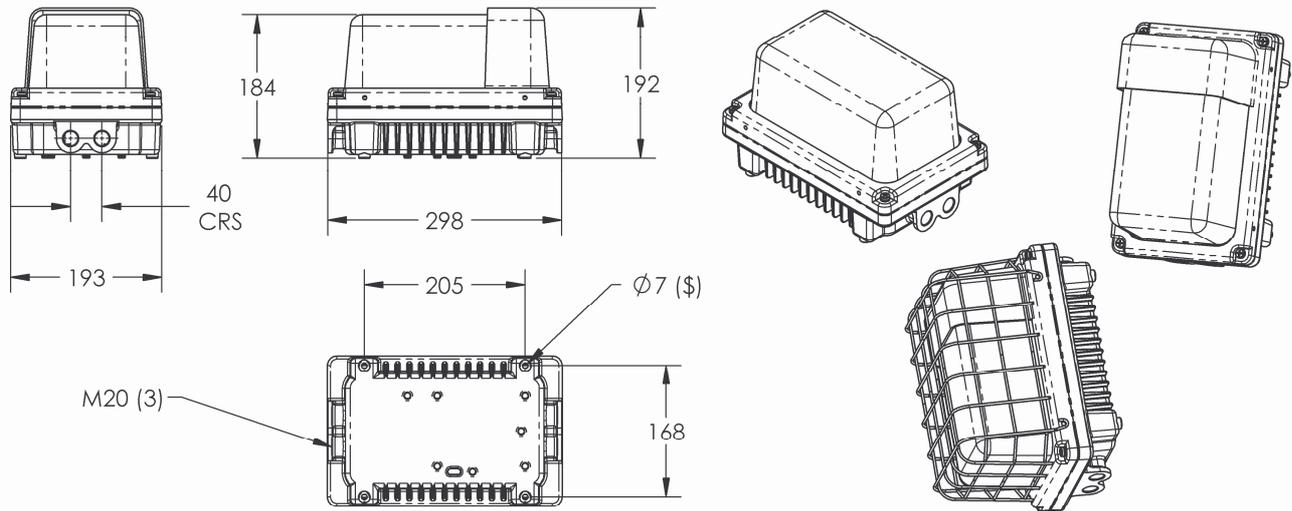
be replaced when they have achieved their rated life, as light output of all lamps gradually deteriorates over time. As explosion of a HID lamp bulb cannot be totally eliminated, the diffuser should be refitted before energising a HID lamp.

### 3.6 Sealing

Cable entry requires a gland 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 the 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. DIMENSIONS



## 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.
- 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 diffuser screws and tighten if necessary
- Clean the diffuser using a mild detergent.
- 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

WIRE GUARD  
VISOR & GLASS ASSY  
REPLACEMENT LENS

NXSWG  
NXSV  
NXS/LENS