

**PENSHAW – Surface & Recessed Subway Vandal Resistant Range**



- Virtually Unbreakable and Graffiti Resistant Diffuser
- Solid Steel body and frame
- High Security Stainless Steel bolts
- Surface and Recessed options
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**Description**

**PENSHAW** - a range of Vandal Resistant luminaires for use in subways. The body is made from sheet steel, phosphate coated and then painted in fine textured white as standard. The phosphate coating carries a 5 year conditional guarantee against rust. Fittings are available in surface and recessed versions.

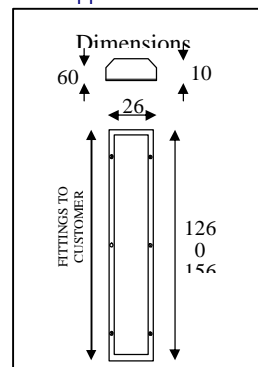
The diffuser is made from 3mm or 5mm thick opal or prismatic GE Lexan Polycarbonate as standard, which is very resilient to attack. As an additional option, the luminaires can be fitted with 3mm GE Lexan Magard which is virtually indestructible. Behind this, either an opal or prismatic 2mm GE Lexan Polycarbonate panel is fitted to produce the required light control. The panel is held in a formed steel frame by a secured secondary frame, gasketed to prevent ingress of either water or dust. The frame is secured to the body with special stainless steel high security bolts.

The geartray is removable for ease of maintenance and also acts as a reflector. It is made from mild steel and finished with an EPC white coat. Versions are available 1200, 1500 and 1800mm lengths, single or twin tube, with switch start or high frequency electronic control gear. Integral 3 hour maintained emergency gear can also be fitted.

All luminaires in this range are designed to comply with BS EN 60598 and are suitable for operating in exterior applications. Each luminaire also complies with European Directive 89/336/EEC and carries the CE mark.

**PRODUCTS AVAILABLE**

Catalogue No.	Description	
PEN 136	36W 4ft/1200mm vandal resistant	/P prismatic controller
PEN 158	58W 5ft/1500mm vandal resistant	/O opal diffuser
PEN 170	70W 6ft/1800mm vandal resistant	/ES electronic starter switches
PEN 236	2x36W 4ft/1200mm vandal resistant	/HF high frequency control gear
PEN 258	2x58W 5ft/1500mm vandal resistant	/EM 3 hour maintained emergency
PEN 270	2x70W 6ft/1800mm vandal resistant	



These luminaires can be fitted with GE Margard™ or bullet-proof glass as additional options. Also available with stainless steel bodies and frames for special applications.

**Applications**

The **PENSHAW** range of luminaires is suitable for both wall and ceiling mounting in either surface or recessed versions. The unique design ensures that all types are extremely resilient and are therefore suited to use in highly volatile areas where vandalism is prevalent. Such areas could be:

- Pedestrian subways in City Centres
- Circulation areas in high rise council housing
- Public areas of Local Authority buildings
- Bus station public areas
- Public conveniences
- Public areas in parks
- Permanent lighting for exterior market stalls
- Security lighting applications

High Technology Lighting Ltd has a policy of continual design and development. As a result specifications and dimensions are subject to change without notice.

Luminaire Data Sheet