

# PELANGI

## LANTERN HOUSE

## PA2148 & PA2450

Lightweight modular lantern house for revolving pedestals.



PA2148 shown here assembled prior to despatch.

### Technical Specification : PA2148

Overall Height	:	
Murrete Height	:	1047mm
True Glazing Height	:	1219mm
Inside Diameter	:	1829mm

### Technical Specification : PA2450

Overall Height	:	3345mm
Murrete Height	:	1260mm
True Glazing Height	:	1700mm
Inside Diameter	:	2300mm

Modern 12-sided weatherproof lantern house for new steel lattice or existing concrete/masonry structures.

- Built to withstand 125 mph winds (structure should be similarly designed).
- Easily transported to site in knock-down form for assembly on site without the need for additional lifting equipment.
- All sections easily bolt together without specialised equipment on top of structure.
- Glazing panes tilted outwards at top to prevent mariners observing false flashes from reflections which are instead safely reflected down towards the sea.
- Murette fitted with vents for good air circulation to prevent glazing condensation.
- Well proven design already in service around the world.
- Options of glass or acrylic panes.
- Options of GRP or aluminium roof and murette.
- Spacious lantern house permits location of controls on inside wall of murette without restricting access around pedestal.

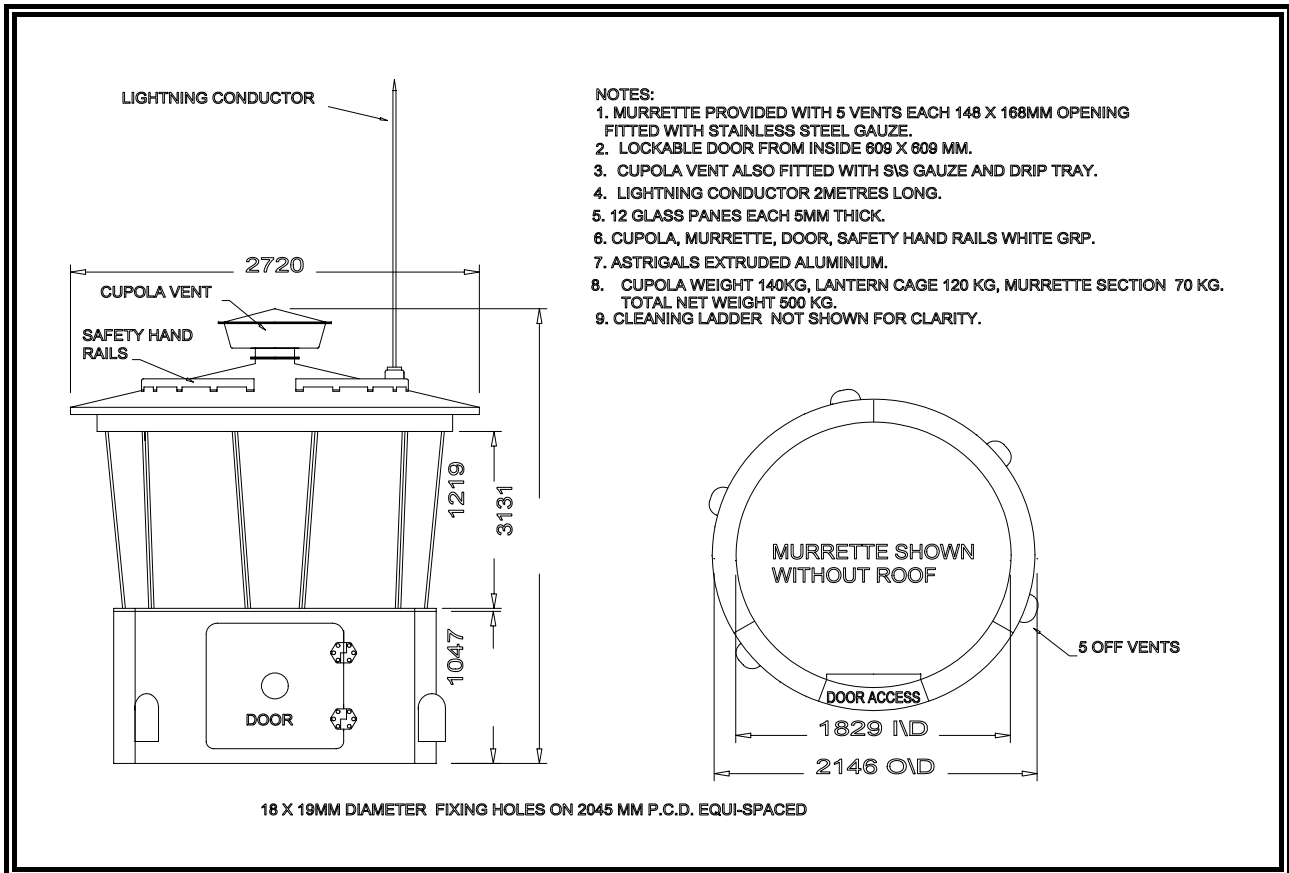


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INTERNATIONAL  
ASSOCIATION OF  
LIGHTHOUSE  
AUTHORITIES**

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## Optional Extras

- Roof ladder
- Lantern pedestal
- Racon support pedestal
- Lightning conductor
- Acrylic panes instead of glass
- Colour/blank screens
- Control panel mounting plate

## Additional points for consideration

1. Most tall structures during tropical storms attract lightning strikes on or near the structure. Rock mounted structures need to be earthed directly in the sea itself. Steel lattice towers with concrete bases cast in

dry soil are equally insulated and must also be earthed.

2. No electrical equipment can withstand a direct lightning hit. Damage from near misses can be reduced with a 'Faraday cage' of lightning conductors on the outside of the lantern house which can be supplied as an optional extra.
3. The positioning of the hatch inside the lantern house or on the parapet needs careful consideration.
4. The (optional) internal pedestal height should be viewed in relation to the available glazing height, emergency light and racon (if any) to be fitted.