

LEM & LAM

Lanternhouses



One of the most outstanding Mediterraneo's specialities is the design of lanternhouses for historic lighthouse applications.

LEM and LAM lanternhouses are manufactured with the best materials in the market, in order to withstand marine weather inclemencies for years.

Our standard LEM lanternhouses are cylindrical and with semi-spherical dome. Its cylindrical structure provides two key advantages over other manufacturers' lanterns: helicoidal uprights to avoid dark areas and give sturdiness, and curved-glass panes to minimise refraction losses and reduce back reflections.

Furthermore, we can manufacture any LAM polygonal lanternhouse, strictly according to the customer specifications.

Features:

- Maximum quality in materials to achieve the longest service life.
- Made up of: base, cylindrical structure, top ring, dome and ventilation cap.
- Base built to measure, according to requested height and specifications. Fixing by special anchor bolts to the concrete, stone or tiles murette.
- In the case of LEM lanternhouses, the cylindrical structure with helicoidal uprights provides higher sturdiness.
- High-homogeneity curved-glass panes, heat-tempered, to minimise refraction losses and reduce back reflections.
- Sealed with special UV-resistant putty and sealant.
- Top ring contains the gutter to collect rain water and protect glass panes.
- Semi-spherical metallic dome, with brackets to fit access ladder to the lantern top.
- Semi-spherical ventilation cap, with special filters. Maximum aeration.

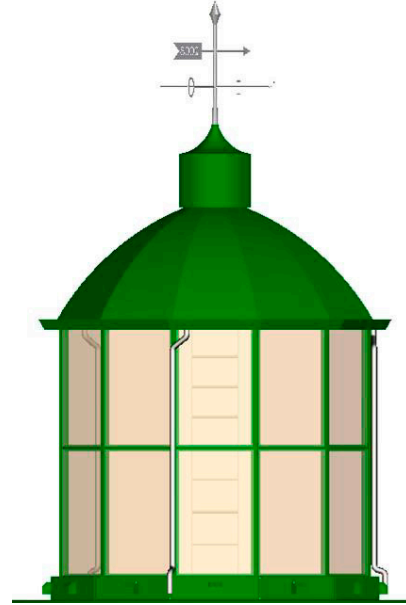


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Specifications subject to change without previous notice.



LEM lanternhouse example.



LAM lanternhouse example.

Materials

Hot-dip galvanised steel.
Glass type FLOAT.
Polyurethane elastic putty and sealant, UV-resistant.
Marine-quality paint, RAL IALA-AISM.

Options

Metallic parts made from AISI 304 or AISI 316 stainless steel, or marine aluminium.

Note: Due to the customising of LAM lanterns, we will just list details of certain types of LEM lanternhouses for informative purposes. Any kind of modification can be done according to customer needs.

Standard specifications

| | LEM 200 | LEM 250 | LEM 300 | LEM 350 |
|----------------------------|-------------------------------|-------------------------------|---------------------------------|---------------------------------|
| INSIDE DIAMETER (*) | 2.00 m | 2.50 m | 3.00 m | 3.50 m |
| GLAZING HEIGHT | 1.30 m | 1.50 m | 1.60 m | 1.80 m |
| TRANSPORT | Assembled 20' container | Disassembled 20' container | Disassembled 20' container | Disassembled 20' container |
| INSTALLATION | Mobile crane or helicopter | Mobile crane or helicopter | Mechanical device not needed | Mechanical device not needed |

(*) Other dimensions available under request.

Materials

Hot-dip galvanised steel.
Glass type FLOAT.
Polyurethane elastic putty and sealant, UV-resistant.
Marine quality paint, RAL IALA-AISM.

Options

Metallic parts made from AISI 304 or AISI 316 stainless steel, or marine aluminium.



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