

## LEM

### High quality materials

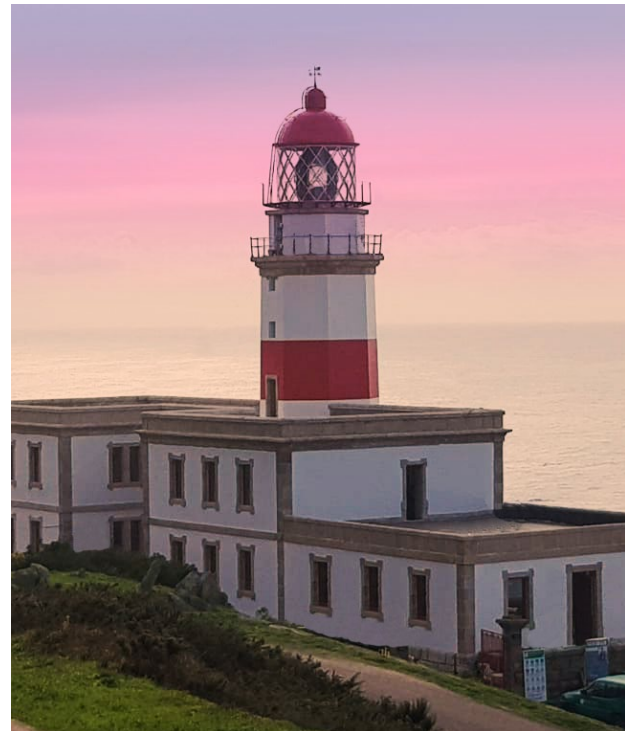
One of the most outstanding Mediterraneo's specialities is the design of lanternhouses for historic lighthouse applications. LEM lanternhouses are manufactured with the best materials in the market, in order to withstand marine weather inclemencies for years.

### Prevent back reflections

With a solid experience in the sector, we calculate all the parameters required for the design of ventilation systems that avoid the condensation inside. In addition, we use special glasses that prevent back reflections.

### Cylindrical lanternhouse

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.



## FEATURES

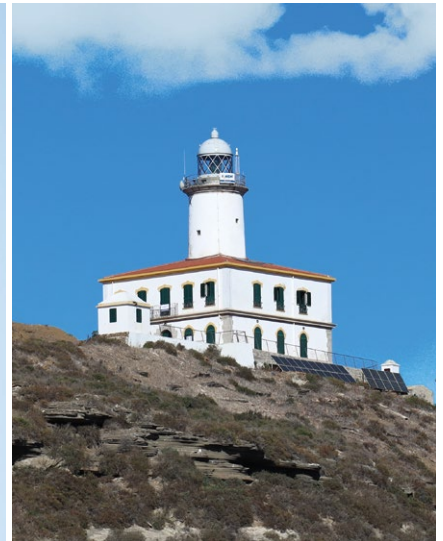
- *Maximum quality in materials to achieve the longest service life.*
- *Made up of: base, cylindrical structure, top ring, dome and ventilation cap.*
- *Base built to measure, according to requested height and specifications. Fixing by special anchor bolts to the concrete, stone or brick wall.*
- *In 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.*



Medes Islands Lighthouse (Catalonia)



Llebeig Lighthouse (Sa Dragonera - Balearic Islands)



Columbretes Lighthouse (Illes Columbretes - Castellón)

## 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.
- LAM version with vertical uprights.

## Standard specifications

	LEM200	LEM250	LEM300	LEM350
<b>INSIDE DIAMETER (*)</b>	2.00 m	2.50 m	3.00 m	3.50 m
<b>GLAZING HEIGHT</b>	1.30 m	1.50 m	1.60 m	1.80 m
<b>TRANSPORT</b>	Assembled 20' container	Disassembled 20' container	Disassembled 20' container	Disassembled 20' container
<b>INSTALLATION</b>	Mobile crane or helicopter	Mobile crane or helicopter	Mechanical device not needed	Mechanical device not needed

(\*) Other dimensions available under request.

**!** Specifications subject to change without previous notice.