

CS 250 MARINE LANTERN

The **CS250** is a lantern for medium and long ranges; it has a high luminous intensity and therefore is suitable for installations of primary importance although its weight and dimensions are limited.

The **peralluman base**, stove enamelled, grants robustness and a high stability. The base can be opened by means of three knobs that allow rapid and easy access to the inner parts, while the "O" ring gaskets assure a high degree of protection against water and dust.

The **methacrylate lens**, stabilized U.V., thanks to the high degree of transparency gives greater optical output than the moulded glass lenses and thanks to the particular Fresnel profile, focuses the light through a horizontal plane maintaining a divergency that allows its installation even on floating and rolling structures such as buoys and elastic beacons. For greater ranges a special lens in three parts is available. This lens sets the luminous plane on a minor divergency and is equipped with an upper reflector that diverts the light normally lost through the top of the lantern.

The inside mechanism is available in 3 versions:

Double filament lampholder has a special double filament lamp. When the primary filament burns out the power supply is switched automatically to the secondary filament to provide continuity of operation. A small LED flashes in unison with the secondary filament only.

Automatic 4-place lampchanger places a new lamp at the focal center of the lens automatically when the operating lamp burns out. Furthermore, when all the lamps are exhausted the lampchanger re-controls each one several times making complete revolutions to search for a possible functional lamp before disconnecting.

Automatic 6-place lampchanger with same performance as previous lampchanger but having 6 lamps, that assure a much longer functional period and ideal for a steady burn light that has a greater consumption of lamps.

Control circuits are completely static and are able to generate any type of flash characteristic required by standards or even particular requirements outside normal specifications.



Sun switch always included, assures the functioning only when necessary.



TECHNICAL DATA

LENS

STANDARD: Methacrylate lens of 250 mm diameter, in one whole body in the colours red, clear, amber and green; visibility 360°.

OPTIONAL: Methacrylate lens of 250 mm diameter being in three parts, colour is given by the cover, visibility 360°.

FLASHER

6 to 24V nominal, solid state, any flashing characteristic or steady burn.

LAMPCHANGER

6 to 24V, 4 or 6 lamps and final disconnection. Rotation consumption 0,2A; no consumption while at stop.

DOUBLE FILAMENT LAMPHOLDER

Solid state circuit for immediate switchover and automatic reset; a small LED flashes in unison with the secondary filament only.

LAMPS

C8S8 Single filament (P30s)

CC8S11 Single filament (P30s)

C8S11 Double filament (P30d)

C8 Halogen (P30s)

ASSEMBLY FLANGE

n.4 slots 17x28 mm on 200 mm. PCD.

WEIGHT

Net weight : Kg. 11,6

Shipping weight : Kg. 13,7

Shipping dimensions : cm. 45 x 45 x (h) 80



INTENSITY IN CANDELAS FOR WHITE LIGHT

Lamps C8	S. F.	D. F.
6V 0.25A	35	30
6V 0.46A	85	-
6V 0.70A	130	-
6V 0.92A	180	-
12V 0.25A	95	85
12V 0.55A	160	145
12V 0.77A	240	-
12V 1.15A	400	-
12V 2.03A	780	-
12V 3.05A	1150	-

Lamps CC8	S. F.	-
12V 5.00A	3350	-

Lamps Halogen		
12V 10W	480	-
12V 20W	1400	-
12V 35W	2300	-
12V 50W	3150	-

For red or green lens multiply above value by 0.30

For yellow lens multiply above value by 0.68

