ORDER CODE

310138 / 310138-EX

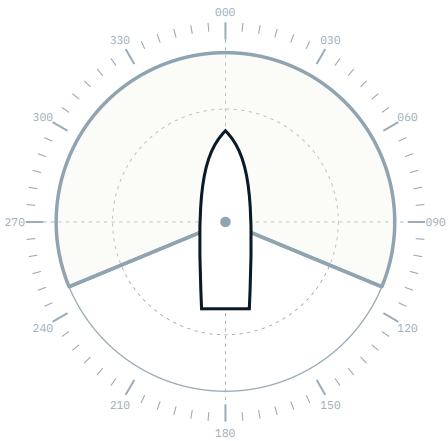
MOSNL50S Masthead 225°

Vessels of 50 m and over · 6 NM · 3.9 W · 24 V DC · IP67 · MED



Fig. 1 · MOSNL50S single housing

Fig. 2 **Horizontal sector**



Shows an unbroken white light over 225° of the horizon, from right ahead to 22.5° abaft the beam on either side of the vessel.

LIGHT

Type	Masthead 225°
Colour	White
Horizontal sector	225°
Visibility (range)	6 NM
Light source	High-power LED
LED lifetime	> 60,000 h

ELECTRICAL

Supply voltage	24 V DC
Power consumption	3.9 W

MECHANICAL

Housing	Hard-anodised, saltwater-resistant aluminium
Lens	UV-resistant quartz glass
Screws	Stainless steel
Dimensions (H × base × top)	84 × 110 × 75 mm
Mounting holes	4 × Ø7 mm on a 63.61 × 63.61 mm square
Weight	900 g

ENVIRONMENT

Protection class	IP67
Operating temperature	−25 °C to +85 °C

APPROVALS

Marine equipment	MED Wheelmark, Directive 2014/90/EU, item MED/6.1
Standards	EN 14744:2005 + AC:2006 · IEC 60945:2002 + Corr.1:2008 · COLREG 72 Annex I
Explosion protection	ATEX II 3G Ex ec IIC T4 Gc (Ex version)

01 Dimensions

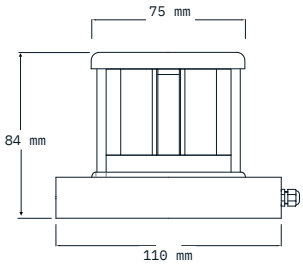


Fig. 3 · Side view, single housing · 84 × 110 × 75 mm

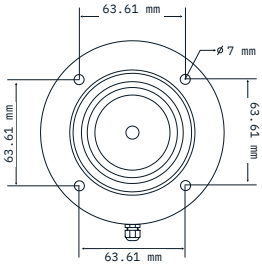


Fig. 4 · Plan view, mounting holes 4 × Ø7 mm

02 Design features

01
Built for salt water
Hard-anodised aluminium body, quartz glass lens and stainless steel screws.

02
Sealed to IP67
Dust-tight and protected against temporary immersion.

03
60,000+ hours
High-power LED source: years of service without lamp changes.

04
Thermal management
Epoxy-coated LED driver, protected for maximum service life.

05
−25 to +85 °C
Operating range for every climate and season at sea.

06
Maintenance friendly
No bulbs to replace, robust design for long intervals.

03 Ordering information

CODE	DESCRIPTION	VERSION
310138	MOSNL50S Masthead 225°	Standard version
310138-EX	MOSNL50S Masthead 225° Ex	ATEX Zone 2 · II 3G Ex ec IIC T4 Gc

04 Certificates

MED Module B	ME-C-0325/B/2/24 EC type-examination Notified body 0437 · valid to 29.12.2027
MED Module D	ME-C-0696/D/1/26 Production quality assurance Notified body 0437 · valid to 29.12.2027
ATEX	SCA25ATEXV061X Type examination, Directive 2014/34/EU II 3G Ex ec IIC T4 Gc

05 Standards

- EN 14744:2005 incl. AC:2006 – navigation lights
- IEC 60945:2002 incl. Corr.1:2008 – maritime equipment, EMC and environment
- COLREG 72, Annex I – positioning and technical details of lights
- IMO Res. MSC.253(83) – performance standards for navigation lights
- EN IEC 60079-0:2018, EN 60079-7:2015/A1:2018 – explosive atmospheres

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