112,5° PORT SIDELIGHT, SINGLE, VERTICALLY MOUNTED

1 nautical mile	101-002 (<12m / <39.4')
2 nautical miles	301-002 (12 – 50m / 39.4' – 164')
3 nautical miles	301-102 (>50m / >164')

This LED navigation light consists of a single high-power LED that produces light in the specified angle utilizing a special designed PMMA light guide.

The precision machined 6082 aluminium housing with an anodized surface makes the light a rugged and durable housing for the LEDs and electronics contained within.

The interior is completely filled with a special potting resin making it water- and vibration proof.

Produced in our in-house manufacturing facility to meet and exceed exacting standards such as EN14744 and UL1104, under a quality management system continuously surveyed by Lloyds Register Quality Assurance.

Each light is subjected to final testing for a minimum of 16 hours of continuous operation bringing the total test time beyond 24 hours.

This navigation light is in compliance with the following standards:

- COLREG72
- EN14744
- IEC 60945
- USCG (UL1104)

Together with an appropriate Control & Monitoring System, such as Lopolight's own NLC this navigation light can form part of an IMO MSC 253(83), LY3 and LY4 compliant system.

Technical specifications

101-002;
- Vessel size: <12m (<39.4')
- Visibility: >1 nautical mile
- Intensity: >1,2cd
- Power consumption: 0,7 Watt; Current: 0,05A @12 VDC - 0,03A @24 VDC

301-002;
- Vessel size: 12m – 50m (39.4' - 164')
- Visibility: >2 nautical miles
- Intensity: >5,4cd
- Power consumption: 1,2 Watt; Current: 0,09A @12 VDC - 0,05A @24 VDC

301-102;
- Vessel size: >50m (>164')
- Visibility: >3 nautical miles
- Intensity: >15cd
- Power consumption: 2 Watt; Current: 0,15A @12 VDC - 0,1A @24 VDC

Operating voltage: 10 - 32 VDC
Number of LEDs: 1
Light colour: Red
Operating temperature: -25°C to +55°C
IP rating: IP68
Mounting: Vertical

Connection: 1 cable consisting of 2 x 0,5 mm^2 leads, a screen and insulation.
- Red lead = Power
- Black lead = GND

Certification: USCG (UL1104): OK - Wheelmark: Pending

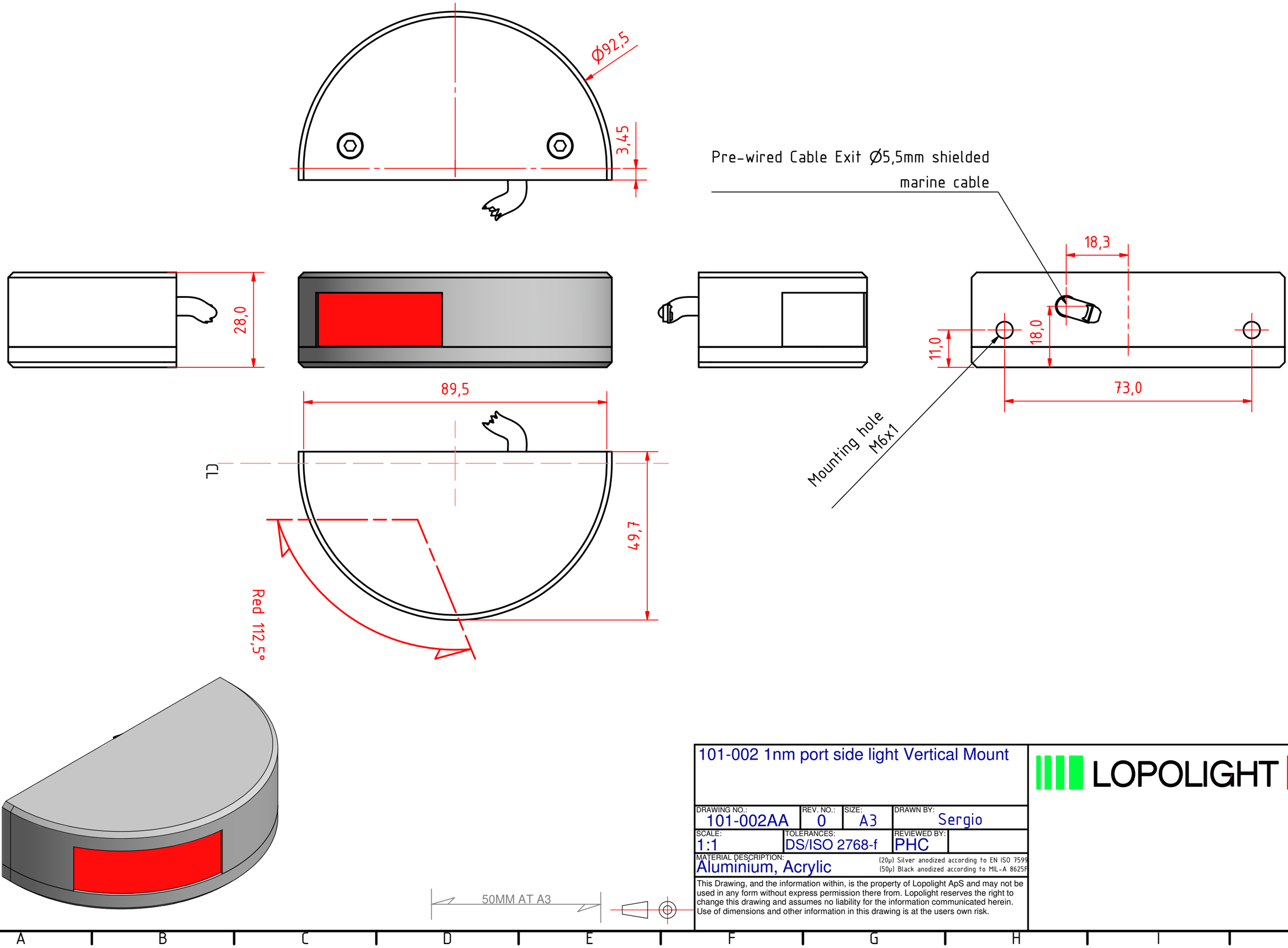
The product is in compliance with the following standard(s):
COLREG72/ EN14744 / IEC 60945 / USCG (UL1104)

Dimensions: See drawing
Weight: 0,43kg

Included in package:
- 1 pc. Navigation light, pre-cabled with 2,5m marine grade cable
- 2 pcs. Mounting screws (M6 x 8 mm)
- Installation instructions

Ordering information

VISIBILITY	CABLE LENGTH	PART NUMBER SILVER FINISH	PART NUMBER BLACK FINISH
1 nautical mile	2,5m / 8.2' (standard)	101-002	101-002-B
	6m / 19.7'	101-002 6M	101-002-B 6M
2 nautical miles	2,5m / 8.2' (standard)	301-002	301-002-B
	6m / 19.7'	301-002 6M	301-002-B 6M
3 nautical miles	2,5m / 8.2' (standard)	301-102	301-102-B
	6m / 19.7'	301-102 6M	301-102-B 6M



50MM AT A3

101-002 1nm port side light Vertical Mount

DRAWING NO.:	REV. NO.:	SIZE:	DRAWN BY:
101-002AA	0	A3	Sergio

SCALE:	TOLERANCES:	REVIEWED BY:
1:1	DS/ISO 2768-f	PHC

MATERIAL DESCRIPTION: Aluminium, Acrylic

(20µ) Silver anodized according to EN ISO 7599
(50µ) Black anodized according to MIL-A 8625F

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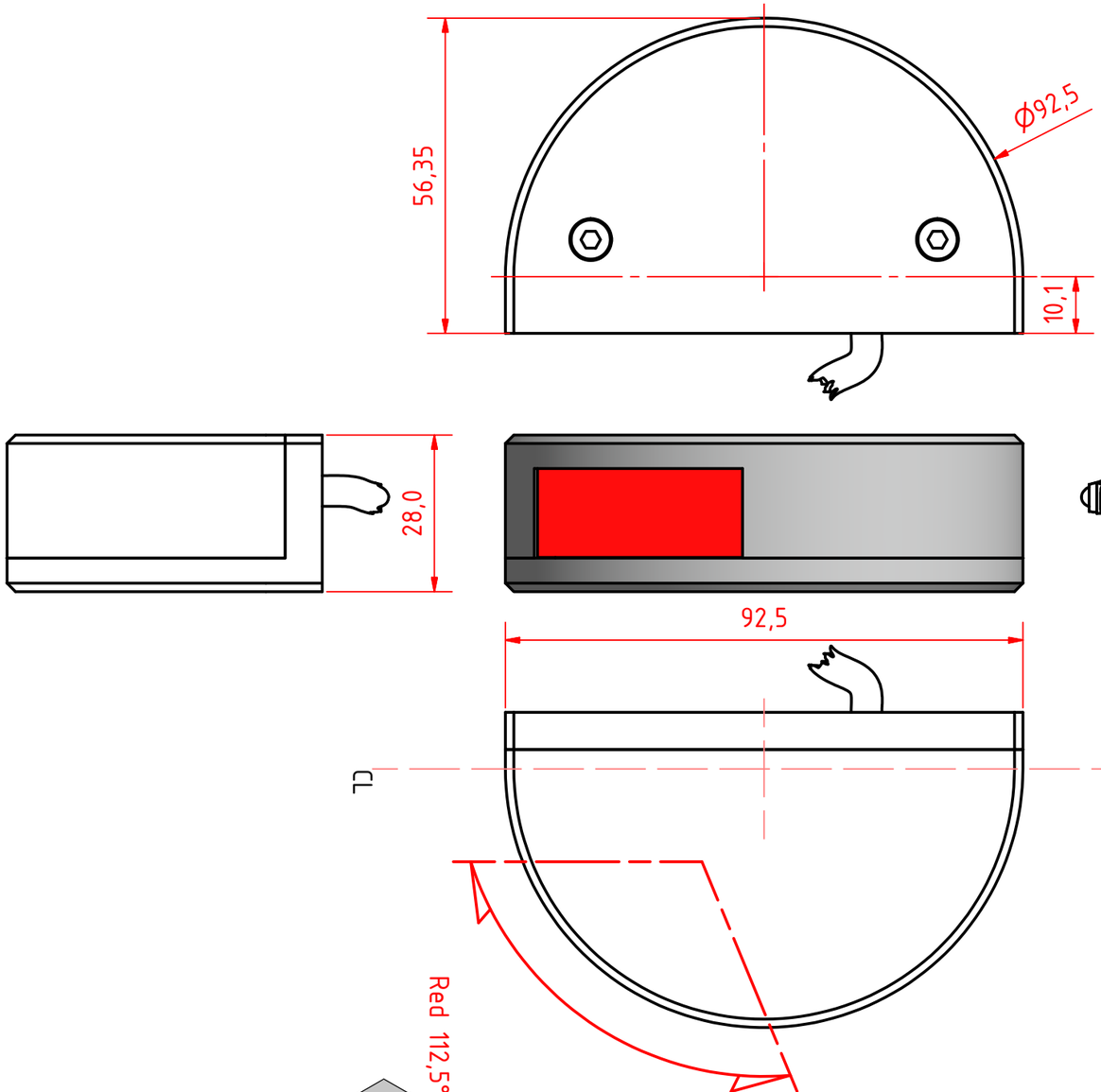
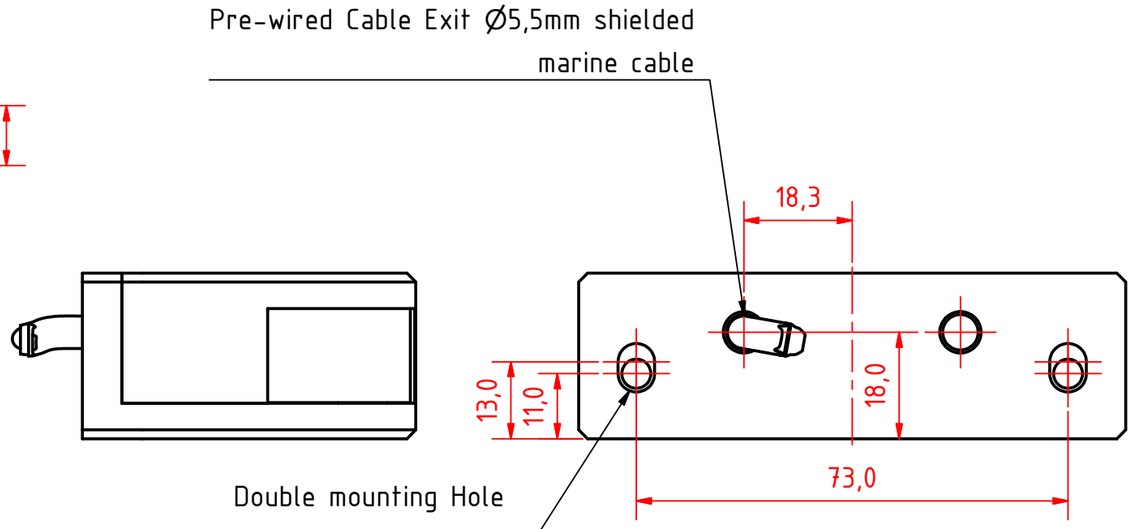
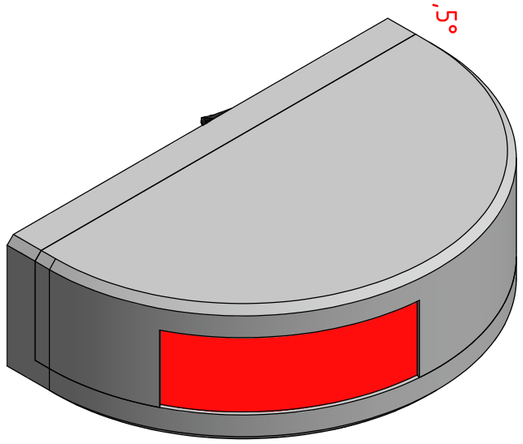
LOPOLIGHT







50MM AT A3

101-002 1nm port side light Vertical Mount with L Mounting profile

DRAWING NO.:	REV. NO.:	SIZE:	DRAWN BY:
101-002BA	0	A3	Sergio
SCALE:	TOLERANCES:		REVIEWED BY:
1:1	DS/ISO 2768-f		PHC

MATERIAL DESCRIPTION: Aluminium, Acrylic
(20µ) Silver anodized according to EN ISO 7599
(50µ) Black anodized according to MIL-A 8625F

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LOPOLIGHT