

## 112,5° STARBOARD SIDELIGHT, SINGLE, VERTICALLY MOUNTED

1 nautical mile	101-001 (<12m / <39.4')
2 nautical miles	301-001 (12 – 50m / 39.4' – 164')
3 nautical miles	301-101 (>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

### 101-001;

Vessel size: <12m (<39.4')

Visibility: >1 nautical mile

Intensity: >1,2cd

Power consumption: 0,8 Watt; Current: 0,06A @12 VDC - 0,03A @24 VDC

### 301-001;

Vessel size: 12m – 50m (39.4' - 164')

Visibility: >2 nautical miles

Intensity: >5,4cd

Power consumption: 1,4 Watt; Current: 0,11A @12 VDC - 0,06A @24 VDC

### 301-101;

Vessel size: >50m (>164')

Visibility: >3 nautical miles

Intensity: >15cd

Power consumption: 2,3 Watt; Current: 0,18A @12 VDC - 0,1A @24 VDC

Operating voltage: 10 - 32 VDC

Number of LEDs: 1

Light colour: **Green**

Operating temperature: -25°C to +55°C

IP rating: **IP68**

Mounting: **Vertical**

Connection: 1 cable consisting of 2 x 0,5 mm<sup>2</sup> 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

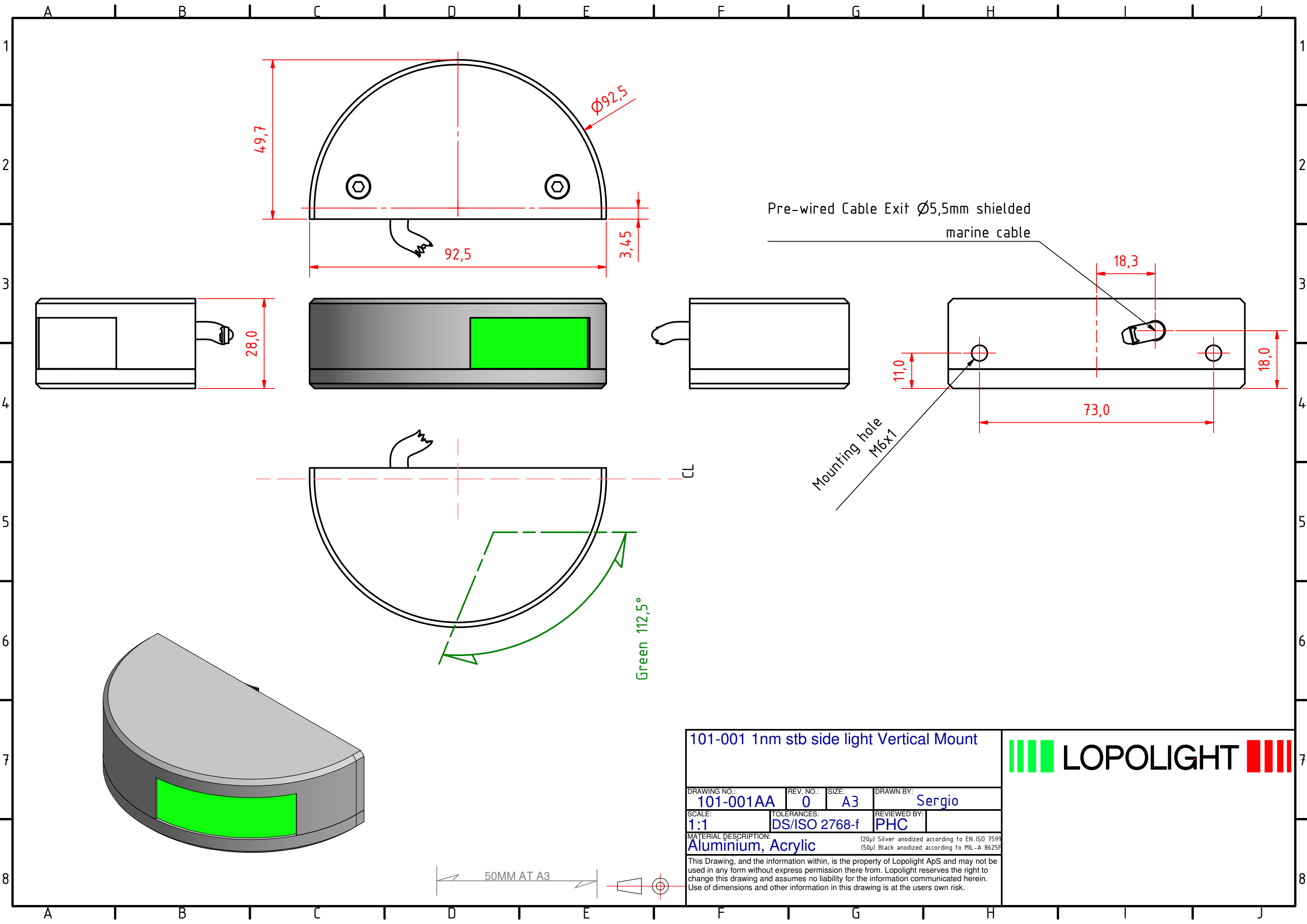
Weight: 0,43kg

### 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)	101-001	101-001-B
	6m / 19.7'	101-001 6M	101-001-B 6M
2 nautical miles	2,5m / 8.2' (standard)	301-001	301-001-B
	6m / 19.7'	301-001 6M	301-001-B 6M
3 nautical miles	2,5m / 8.2' (standard)	301-101	301-101-B
	6m / 19.7'	301-101 6M	301-101-B 6M



Pre-wired Cable Exit  $\varnothing 5,5\text{mm}$  shielded marine cable

Mounting hole M6x1

Green 112,5°

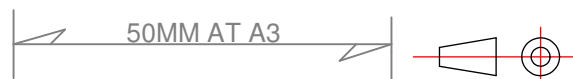
101-001 1nm stb side light Vertical Mount

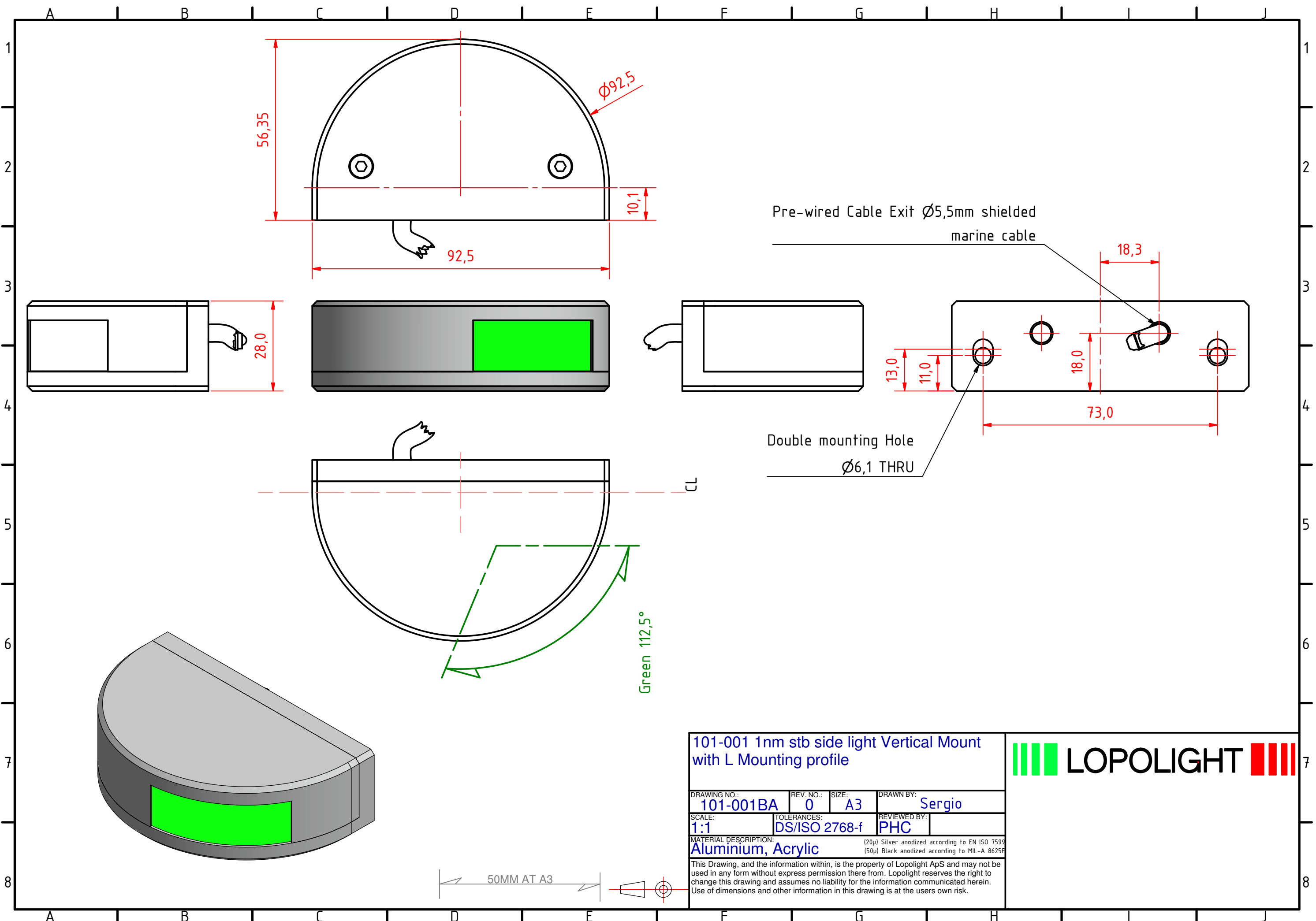
DRAWING NO.: 101-001AA	REV. NO.: 0	SIZE: A3	DRAWN BY: Sergio
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SCALE: 1:1	TOLERANCES: DS/ISO 2768-f	REVIEWED BY: PHC
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MATERIAL DESCRIPTION:  
Aluminium, Acrylic

(20 $\mu$ ) Silver anodized according to EN ISO 7599  
(50 $\mu$ ) Black anodized according to MIL-A 8625F  
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**101-001 1nm stb side light Vertical Mount with L Mounting profile**

DRAWING NO.:	REV. NO.:	SIZE:	DRAWN BY:
101-001BA	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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