## 300-114 – 3NM 360° RED LIGHT

The LED light consists of a single array of LEDs that produces light in the specified angle.

The precision machined 6082 aluminium housing with a hard coated anodized surface makes the light a rugged and durable housing for the LEDs and electronics contained within, and the polished PMMA lens delivers a clear light with colour ranging that is well within the standard for maritime use.

Lastly all the interior is completely filled with a special potting resin making it water- and vibration proof before each light is subjected to final testing for no less than 16 hours of continuous operation bringing the total test period beyond 24 hours.

Lopolight products are covered by a 5-year limited warranty. This warranty covers direct exchange of the malfunctioning product and is given under the assumption that the lights have been operated within the specifications of lights.

0038
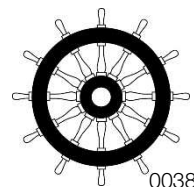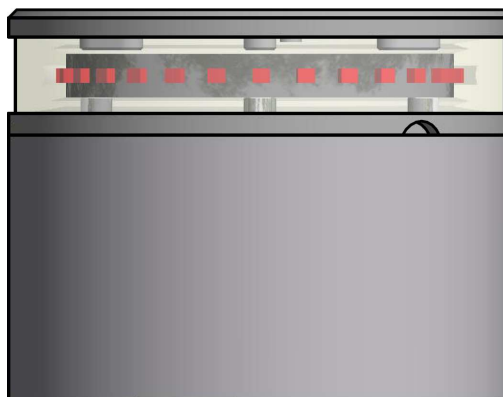
Technical specifications
Vessel size: >50m (>164')
Visibility: >3NM
Intensity: >15cd
Mounting: **Horizontal**

Operating voltage: **10 - 32 V DC**
Number of LEDs: **28**
Light colour: **Red**

Operating temperature: **-25°C to +55°C**

IP rating: **IP68**

Power consumption; **3,3 Watt; Current @ 12 VDC: 0,27A - Current @ 24 VDC: 0,14A**

Connection: **2 M20x1.5 thread borings for cable glands located on the side and bottom (see drawing for details).**

Cabling: **1 cable consisting of 2 x 0,5 mm² leads, a screen and insulation.**
- Pin 1 - Red lead = Power
- Pin 2 - Black lead = GND
- Pin 3 – No lead = Not used
- Pin 4 - No lead = Not used
- Pin 5 - No lead = Not used

Towards light

Pin #   5 4 3 2 1

Cable side
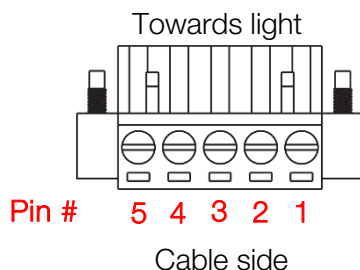
Certification: **The product is certified by Lloyds (LR) and certificates can be found on www.lopolight.com under certificates.**
Approvals: **COLREG72 / EN14744 / IEC 60945 / USCG / UL1104**

Dimensions: **See drawing**
Weight: **0,6kg**

Included in the standard package:
- 1 Navigation light on 400-034 aluminium base
- 1 HDPE base plate
- 3 M6x14 screw
- 1 M20x1.5 cable gland (cable diameters 7 – 13mm)
- 3 M20x1.5 blinding cap or
- 1 Connector plug, 5 PIN
- Installation instructions

43,0

14,0

24,0

A
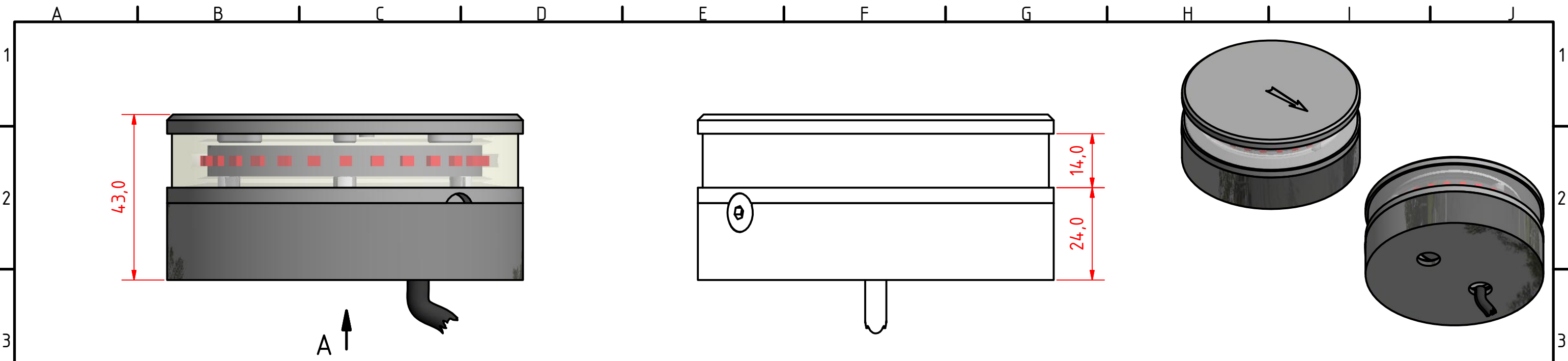
Note:

The PE Plastic base is intended for fitting on site and can be either drilled for mounting screws from above or drilled and tapped from below. 6mm machine screws with nuts and washers are recommended for secure mounting.

19,0

Ø92,50

Red 360°

50MM AT A3
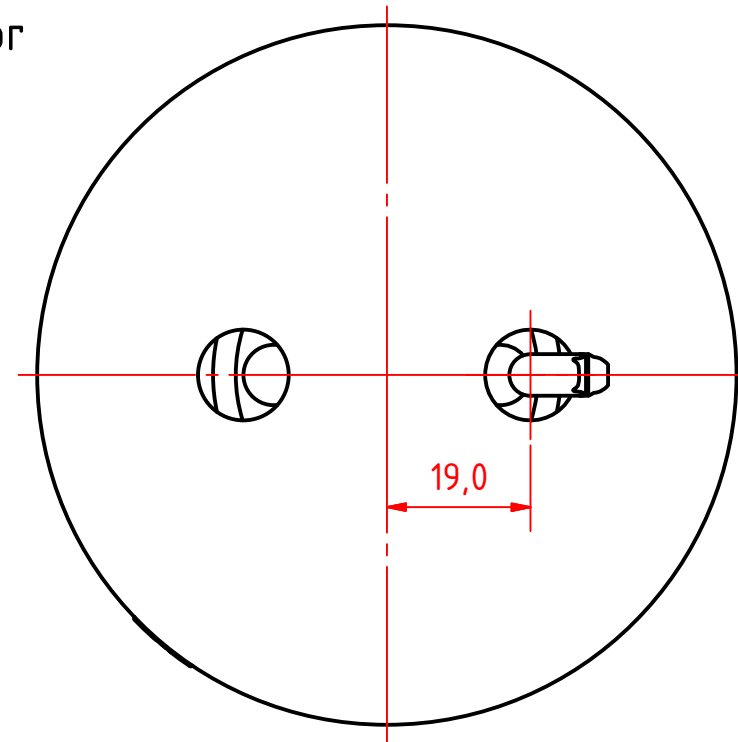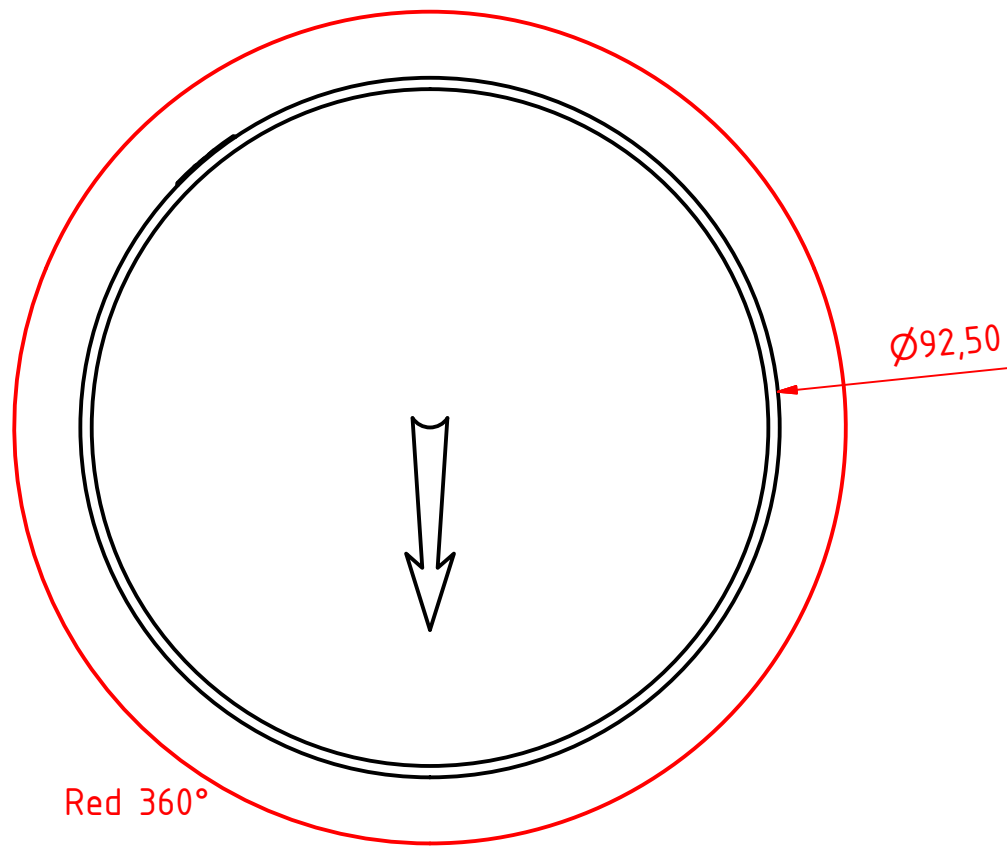
300-114 Single, 360° Red light for vessels above 50 m, PE Base, Cable Down.

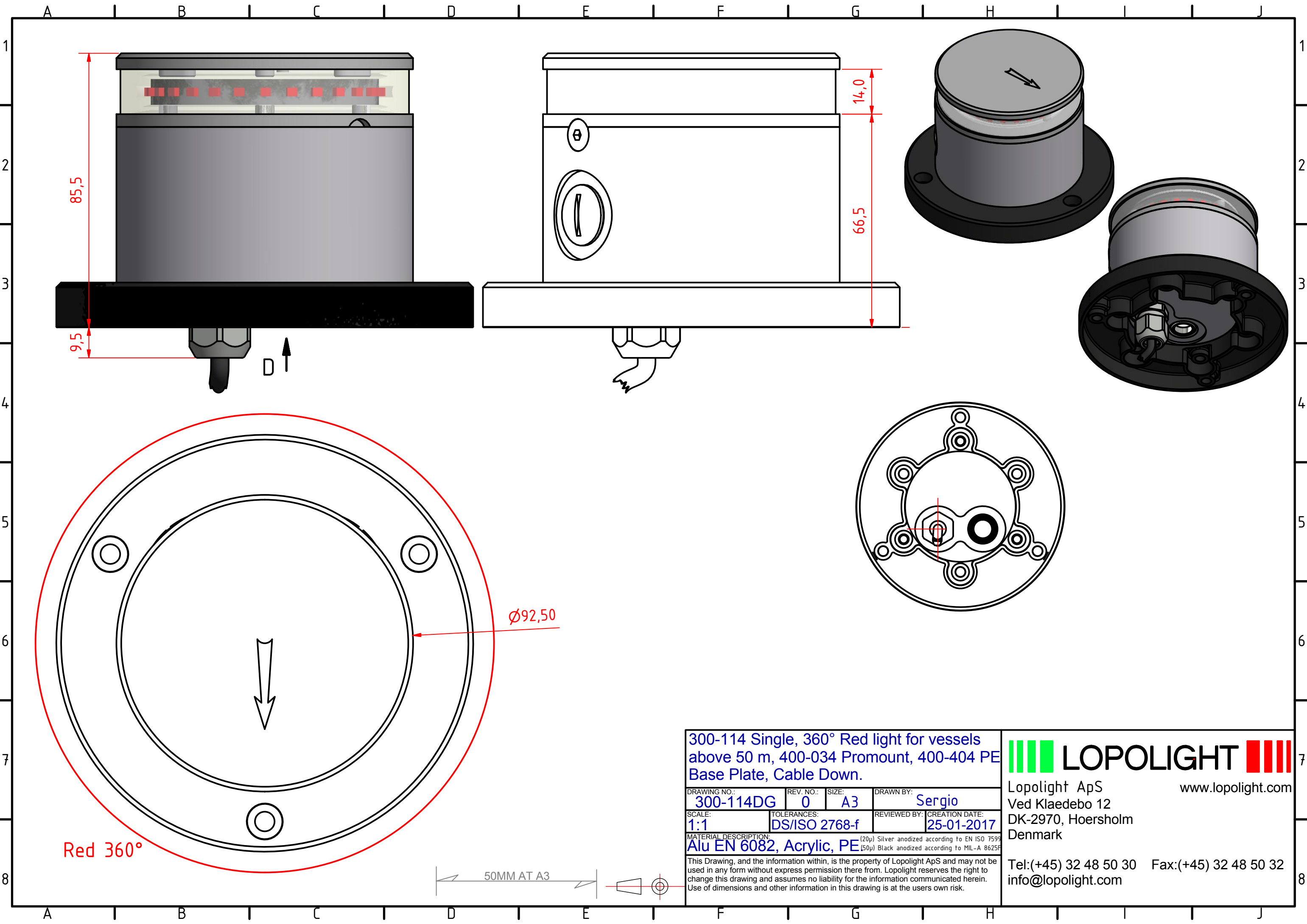| DRAWING NO.: 300-114AG | REV. NO.: 0 | SIZE: A3 | DRAWN BY: Sergio |
| SCALE: 1:1 | TOLERANCES: DS/ISO 2768-f | | REVIEWED BY: | CREATION DATE: 25-01-2017 |
| MATERIAL DESCRIPTION: Alu EN 6082, Acrylic, PE | (20μ) Silver anodized according to EN ISO 7599 (50μ) Black anodized according to MIL-A 8625F | | | |

LOPOLIGHT

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71,5

23,5

B

14,0

52,5

Ø92,50

Red 360°

120°

Mounting Hole
M6x1 – 10,0mm DEEP

14,0

14,0

50MM AT A3

71,5

14,0

52,5

21,0

C

120°

Mounting Hole
M6x1 - 10,0mm DEEP

40°

Ø92,50

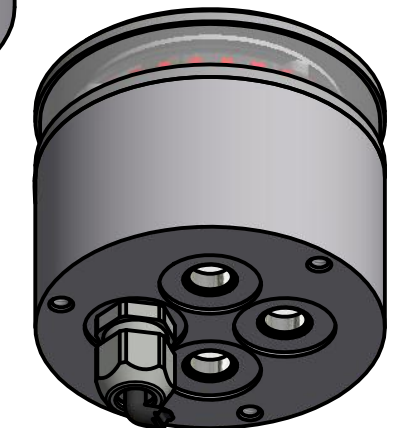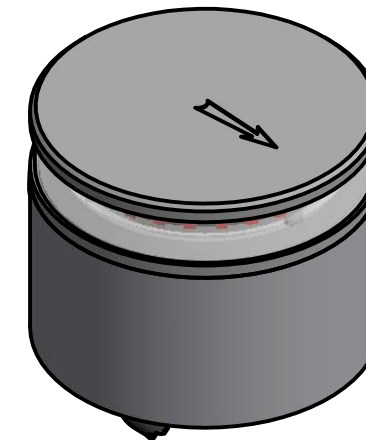Red 360°

50MM AT A3

85,5

9,5

14,0

66,5

D

Ø92,50

Red 360°

50MM AT A3

85,5

14,0

66,5

35,0

E

Ø92,50

Red 360°

50MM AT A3

71,5

23,5

F ↑

14,0

52,5

θ

120°

Ø81,60

14,0

14,0

Mounting Hole
M6x1 - 8,0mm DEEP

Ø92,50

Red 360°

50MM AT A3

85,5

9,5

G ↑

14,0

66,5

14,0

Mounting Hole
Ø6,1 THRU

120°

Ø111,20

14,0

14,0

Mounting Hole
Ø6,1 THRU

Ø92,50

Ø130,00

Red 360°

50MM AT A3
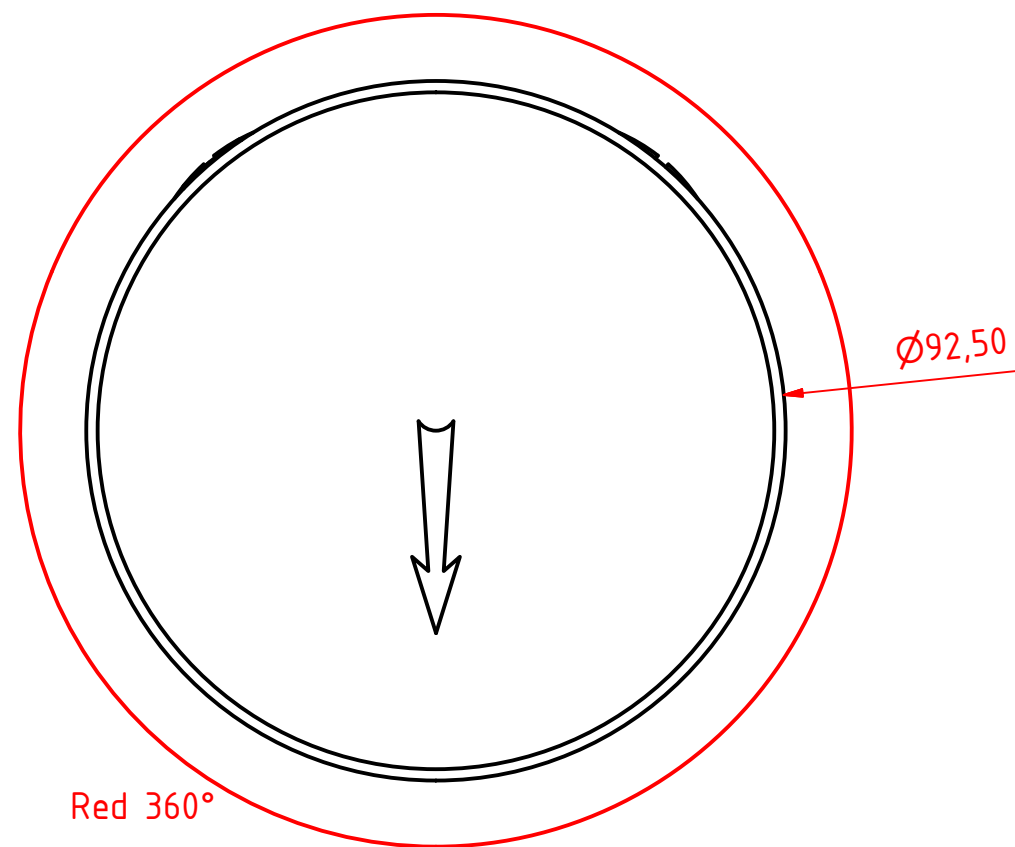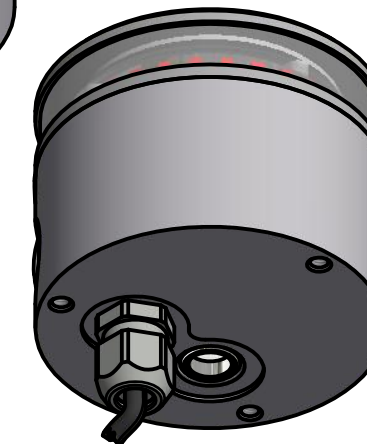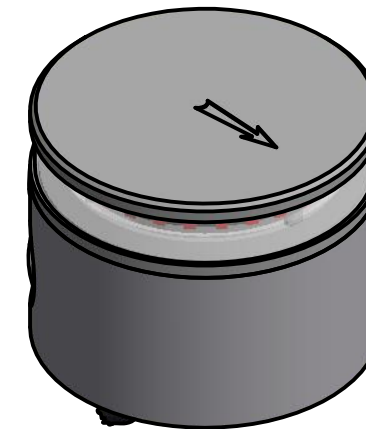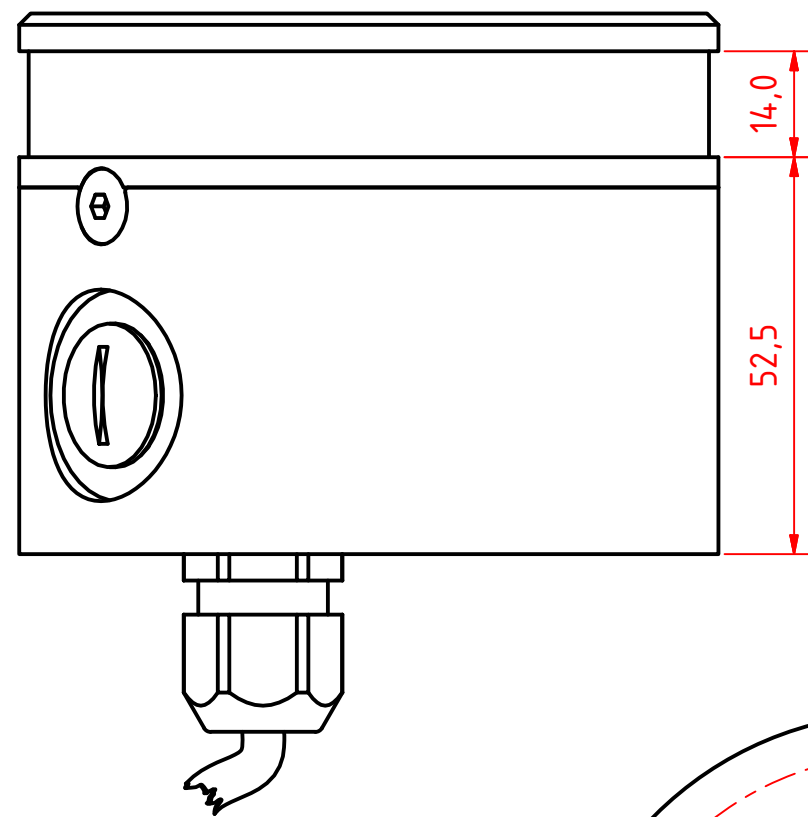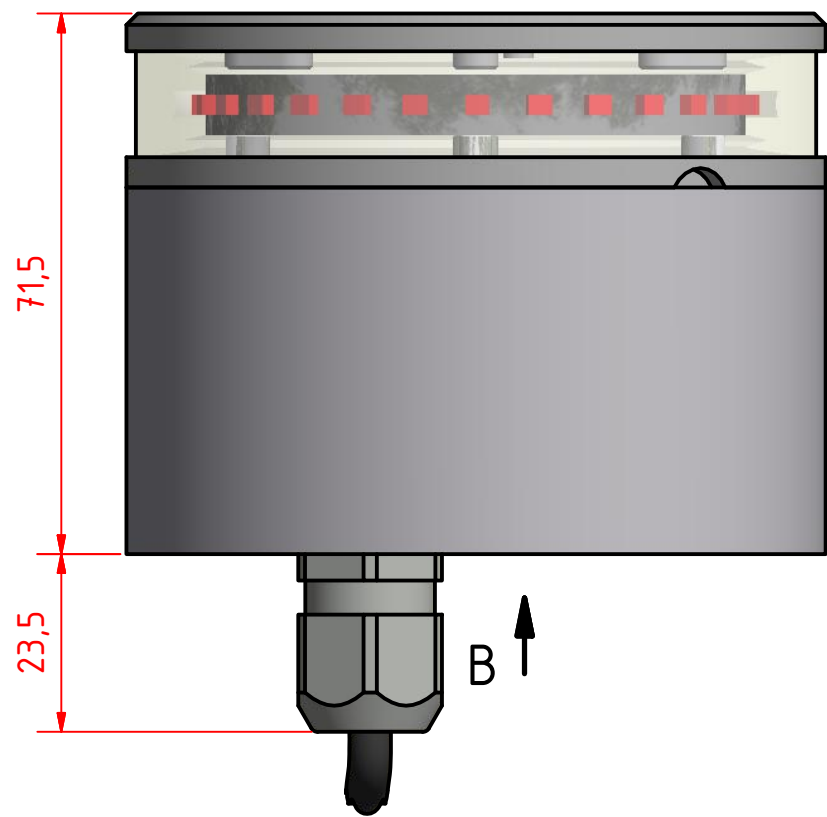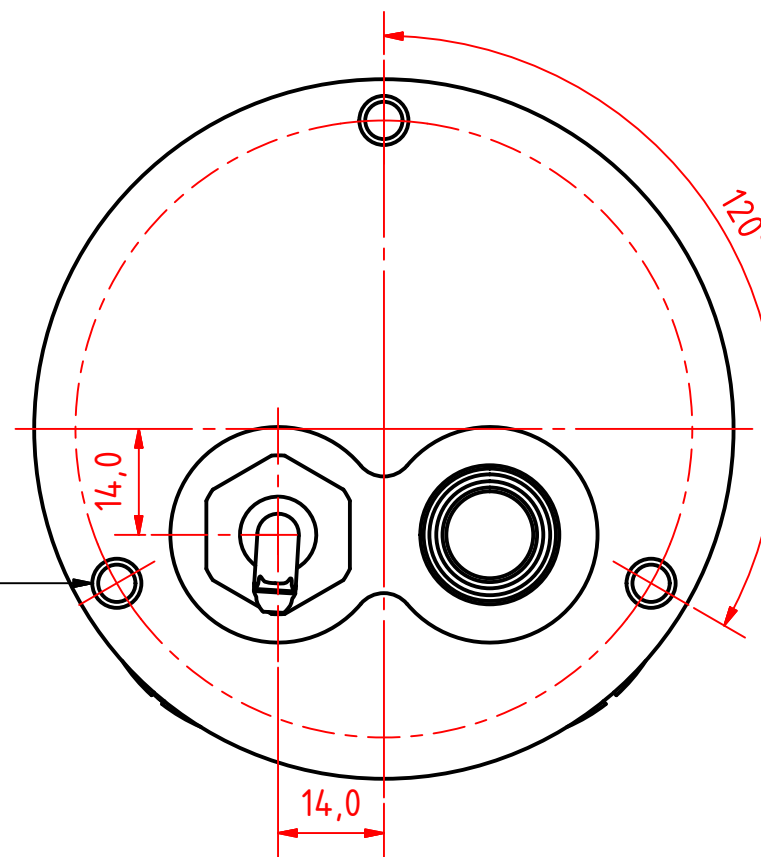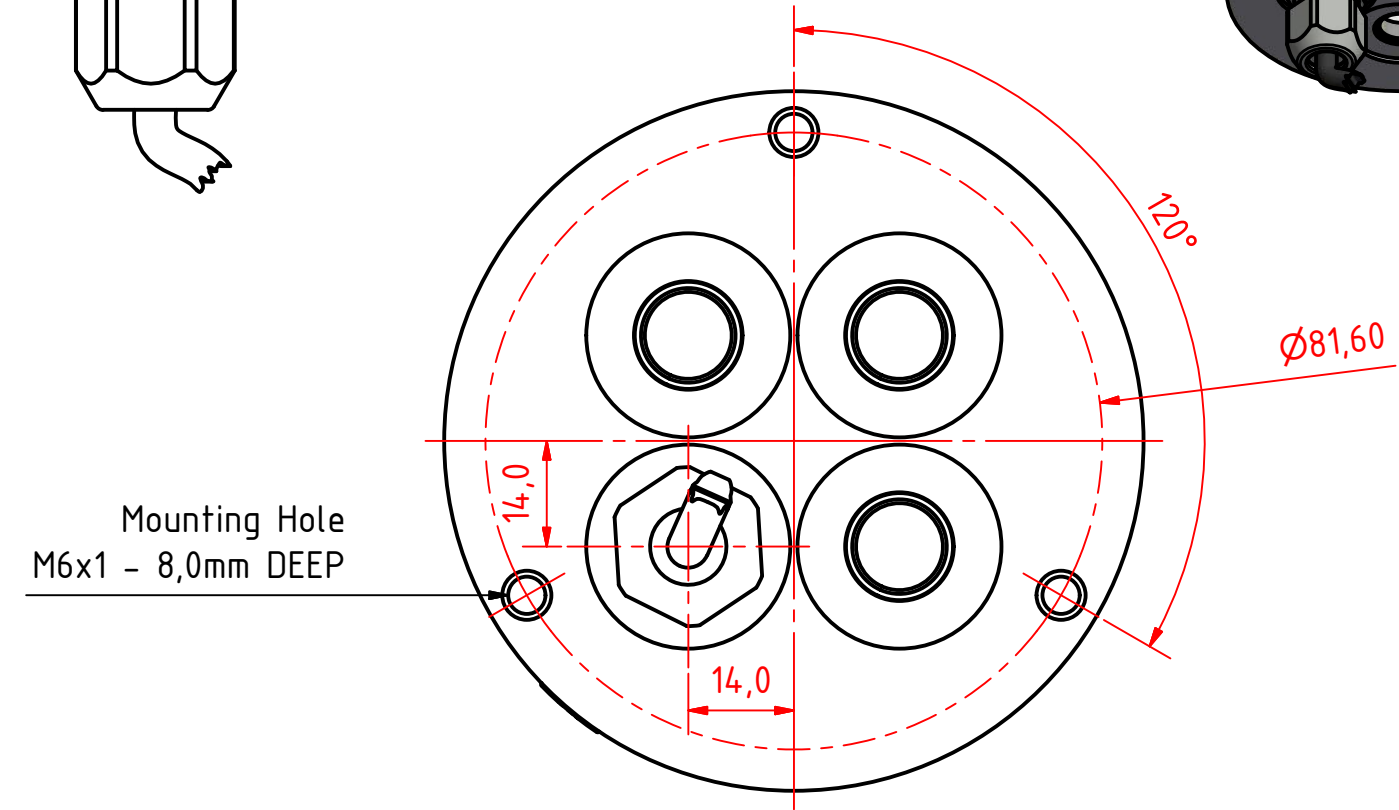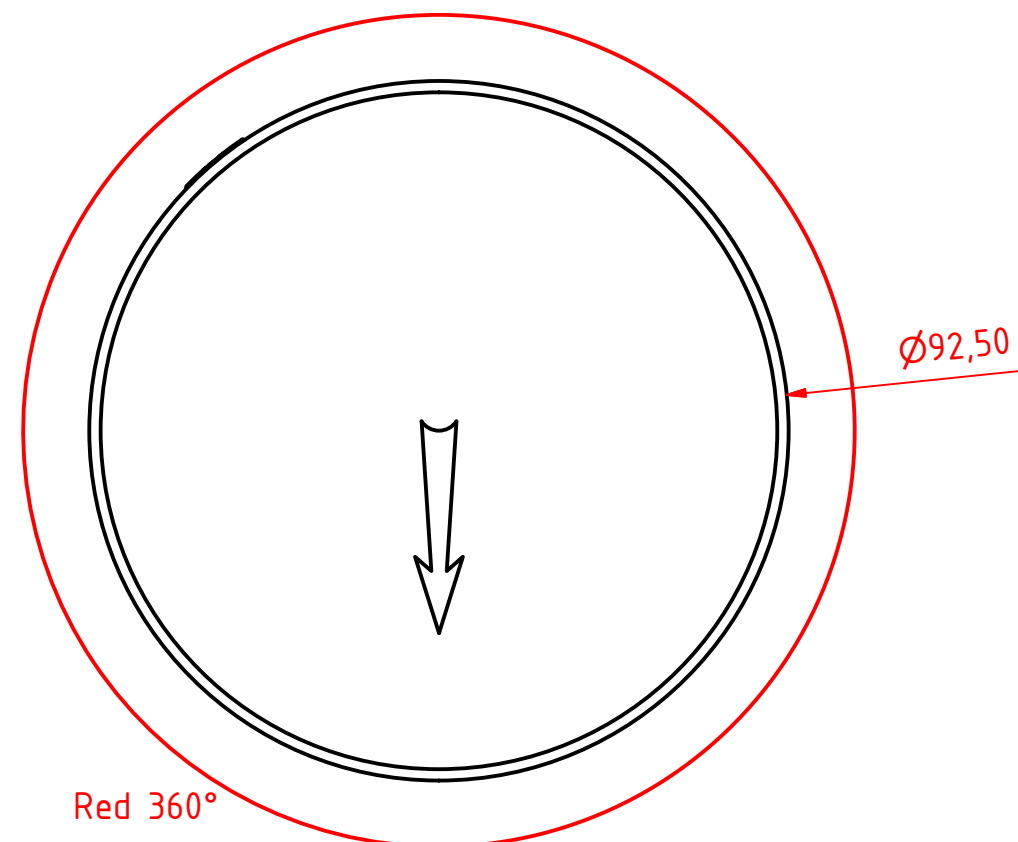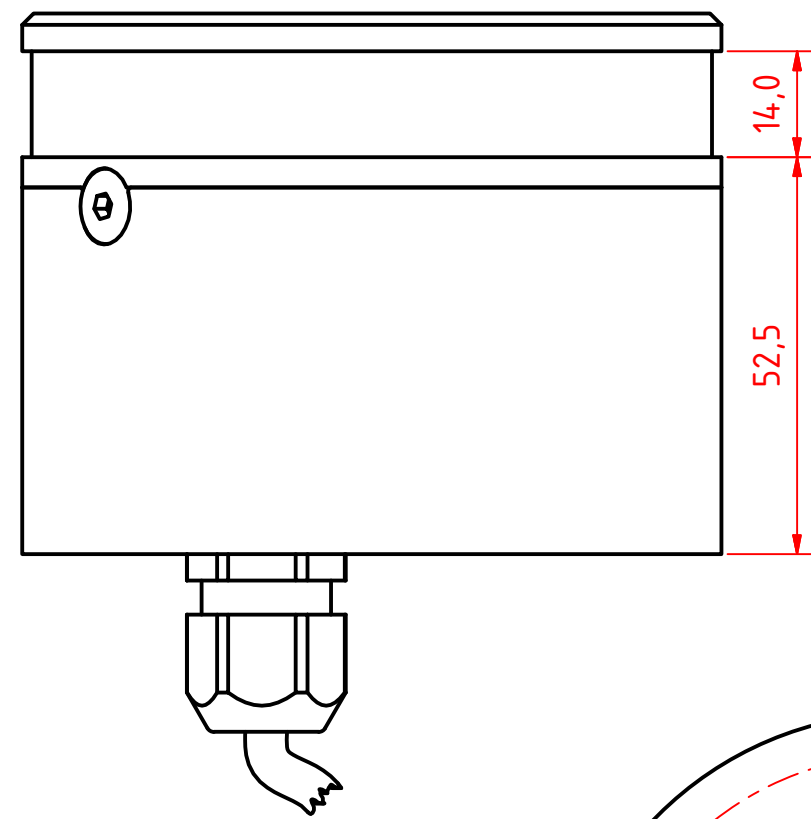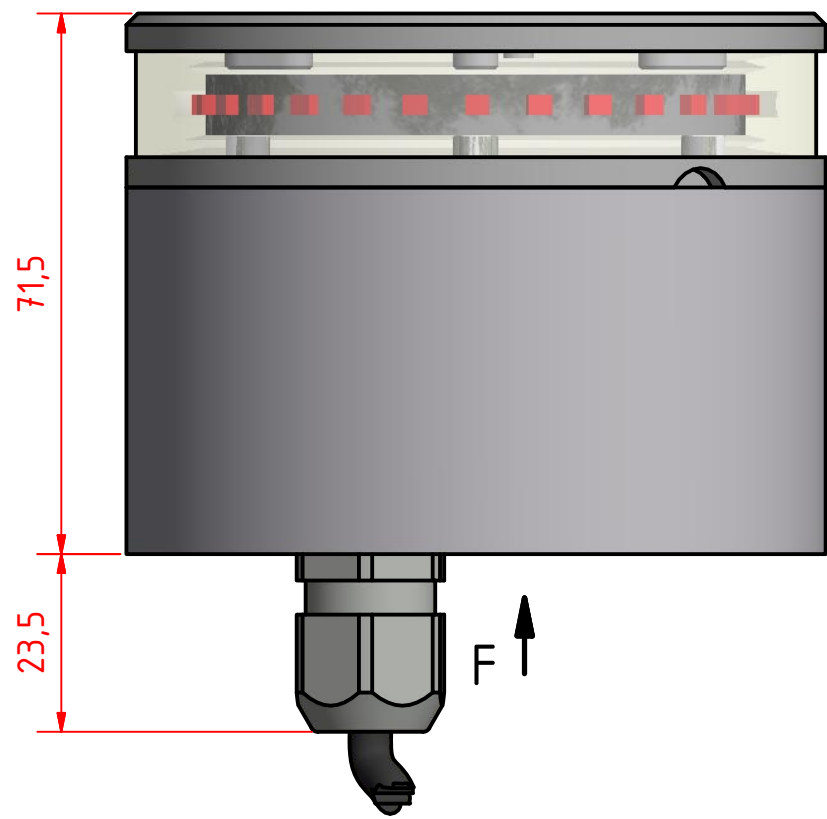
300-114 Single, 360° Red light for vessels above 50 m, 400-035 Promount, 400-401 Alu Base Plate, Cable Down.

DRAWING NO.:	REV. NO.:	SIZE:	DRAWN BY:
300-114GG	0	A3	Sergio

SCALE:	TOLERANCES:	REVIEWED BY:	CREATION DATE:
1:1	DS/ISO 2768-f		25-01-2017

MATERIAL DESCRIPTION:
Alu EN 6082, Acrylic.

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

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