



RIGHT THE FIRST TIME

POLARIS LEVEL GAUGE ILLUMINATORS



- » *Stainless Steel 316*
- » *Ex mb IIC T4 Gb*
- » *Ex eb mb IIC T4 Gb*
- » *Temp. -30°C to +70°C*
- » *IP Rating IP66/67*
- » *Compact Design*
- » *Advanced LED Technology*

MORE THAN 120 YEARS OF EXPERIENCE WITH VALVES AND INSTRUMENTS

Oslo | Bergen | Arendal | Larvik | Trondheim

With *J.S.Cock* as your partner you are ensured a comprehensive product range, with excellent support and expert knowledge.

Product development is one of our key priority areas. This ensures our customers high quality at the right price.



RIGHT THE FIRST TIME

J.S.Cock has developed a new *LED light system for level gauges* together with their customers to meet the market demands for lighter weight, higher quality and reduced costs. Our solution not only meets those demands, but it also offers full customisation with regards to module length and LED colour.

All external components are made of SS316, which provides excellent corrosion resistance.

The system is easy to install, has long operational lifetime and does not require any maintenance.

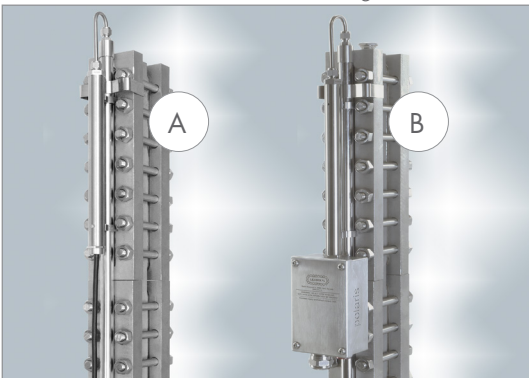
The LED lights are moulded in a cast epoxy resin, thus offering the highest IP protection and can be used in environments with explosive atmosphere.



IP 67 / Ex mb IIC T4 Gb / SS316 Junction Box



Illustration of configuration A and B



APPLICATION

FOR USE IN HAZARDOUS ENVIRONMENTS

The Polaris LED light system is designed for all vessels, land-based and offshore industries where Level Gauges are installed. They are suitable for environments where moist and explosive atmospheres may be present.

LED is digital light, and has several advantages compared to conventional 'analog' lighting and is by far the most energy efficient, cleanest and most eco-friendly way of illumination.

Some of the major benefits of LED lighting are:

1. Long operational life
2. Energy Efficiency
3. Ecologically Friendly
4. Durable Quality
5. Operational in Extremely Cold or Hot Temperatures

CONFIGURATIONS

Due to limitation of space in many areas where Level Gauges are installed, *J.S.Cock* has developed two different configurations of the Polaris Illuminator System to ensure that the space can be utilized most efficiently. The following configurations are available:

- A) Illuminator with flying lead and Inline Connector
- B) Illuminator with integrated Junction Box

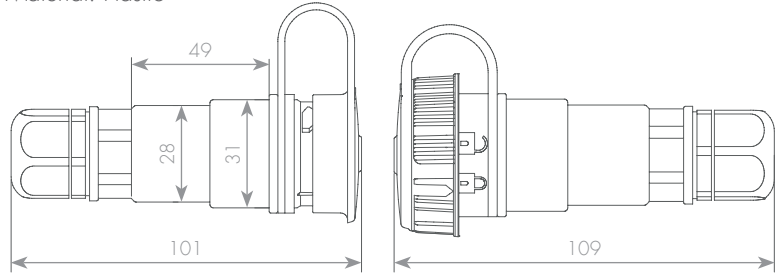


Inline Connector



CONFIGURATION A / INLINE CONNECTOR (MM)

EX Protection: Ex e IIC T6 Gb / Ex tb IIIC T72°C Db
 Rated Current: 10A
 IP Rating: IP66/67
 Material: Plastic

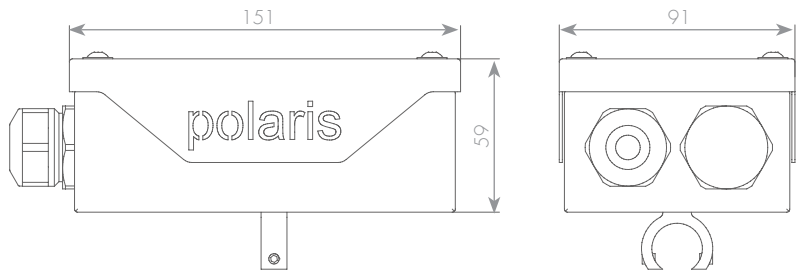


SS316 Junction Box

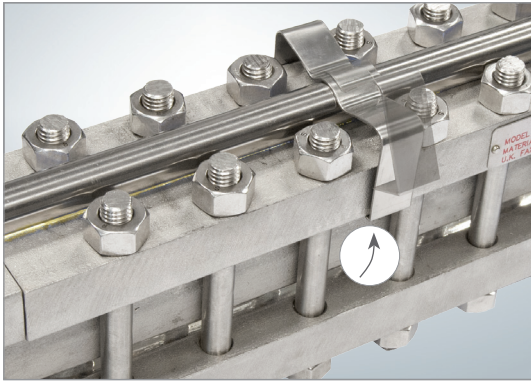


CONFIGURATION B / JUNCTION BOX (MM)

EX protection: Ex eb IIC T4 Gb / Ex tb IIIC T135°C Db
 IP Rating: IP67
 Material: SS316
 Gasket: Silicone Rubber



Snap Fit Bracket



GENERAL SPECIFICATION

DIMENSIONS

The illuminator can be supplied with illumination lengths from 250mm to 2500mm at 50mm intervals. It is also possible to connect two illuminators together to obtain a maximum length of 5000mm.

ILLUMINATOR

EX protection: Ex mb IIC T4 Gb / Ex mb IIIC T135°C Db
 Voltage: 110-240 VAC
 Effect: Max 12W
 Available Colours: Warm White, Pure White, Yellow, Red, Green, Blue
 Operating Temperature: -30°C to +70°C
 Operation: > 50 000 hours
 Material: SS316
 IP Rating: 67

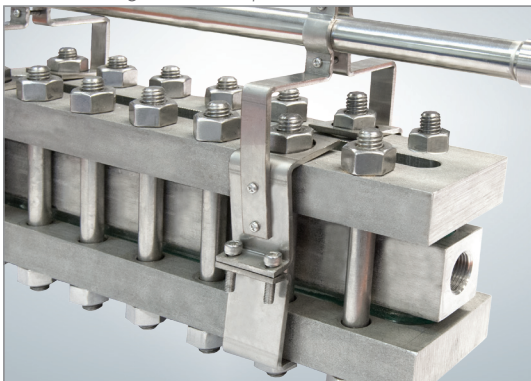
SNAP FIT

The Polaris Illuminator is easily attached to the Level Gauge by the use of a Snap Fit Bracket made of SS316 material.

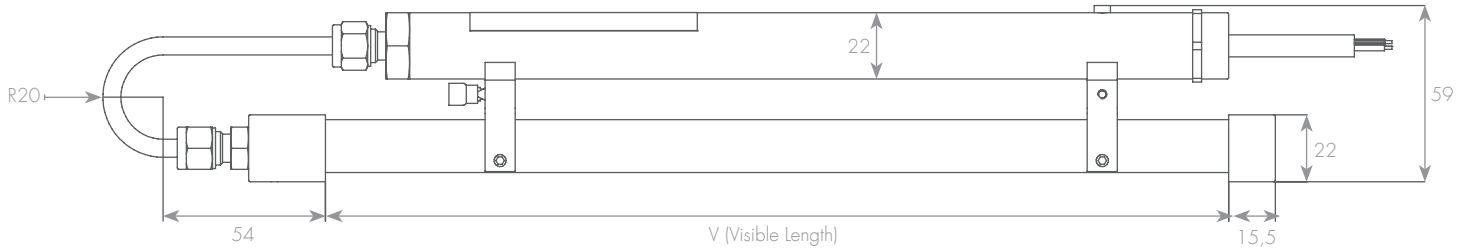
HIGH AND LOW TEMPERATURE BRACKETS

For Level Gauges with operating temperatures above +70°C and below -30°C special installation brackets in SS316 are available.

High/Low Temperature Installation Brackets



DIMENSIONS (mm)



Model Number	V (mm)	Weight (kg)	Watt
POL-12-630-05	250	0,83	1,2
POL-12-630-06	300	0,88	1,4
POL-12-630-07	350	0,93	1,7
POL-12-630-08	400	0,97	1,9
POL-12-630-09	450	1,02	2,2
POL-12-630-10	500	1,07	2,4
POL-12-630-11	550	1,12	2,6
POL-12-630-12	600	1,16	2,9
POL-12-630-13	650	1,21	3,1
POL-12-630-14	700	1,26	3,4
POL-12-630-15	750	1,30	3,6
POL-12-630-16	800	1,35	3,8
POL-12-630-17	850	1,40	4,1
POL-12-630-18	900	1,45	4,3
POL-12-630-19	950	1,49	4,6
POL-12-630-20	1000	1,54	4,8

Model Number	V (mm)	Weight (kg)	Watt
POL-12-630-21	1050	1,59	5,0
POL-12-630-22	1100	1,64	5,3
POL-12-630-23	1150	1,68	5,5
POL-12-630-24	1200	1,73	5,8
POL-12-630-25	1250	1,78	6,0
POL-12-630-26	1300	1,82	6,2
POL-12-630-27	1350	1,87	6,5
POL-12-630-28	1400	1,92	6,7
POL-12-630-29	1450	1,97	7,0
POL-12-630-30	1500	2,01	7,2
POL-12-630-31	1550	2,06	7,4
POL-12-630-32	1600	2,11	7,7
POL-12-630-33	1650	2,15	7,9
POL-12-630-34	1700	2,20	8,2
POL-12-630-35	1750	2,25	8,4
POL-12-630-36	1800	2,30	8,6

Model Number	V (mm)	Weight (kg)	Watt
POL-12-630-37	1850	2,34	8,9
POL-12-630-38	1900	2,39	9,1
POL-12-630-39	1950	2,44	9,4
POL-12-630-40	2000	2,49	9,6
POL-12-630-41	2050	2,53	9,8
POL-12-630-42	2100	2,58	10,1
POL-12-630-43	2150	2,63	10,3
POL-12-630-44	2200	2,67	10,6
POL-12-630-45	2250	2,72	10,8
POL-12-630-46	2300	2,77	11,0
POL-12-630-47	2350	2,82	11,3
POL-12-630-48	2400	2,86	11,5
POL-12-630-49	2450	2,91	11,8
POL-12-630-50	2500	2,96	12,0

CONTACT INFORMATION



By using products from J.S.Cock, we can ensure the best quality for all the critical components at your installation. Our product portfolio is very extensive and consists of all valve types and instruments used within offshore, shipping and land-based industries.

J.S.Cock is one of Norway's absolute leading suppliers and we are continually working on exceeding our customer's current and future expectations.

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