Port entrance lantern Type 421

Lantern intended for use in harsh environments. The LED technology enables low energy consumption with high luminous intensity, long life cycle and almost maintenance-free operation. The compact and stable construction is particularly noteworthy. The casing is made of water-resistant aluminium and the lenses of UV-resistant, impact-resistant polycarbonate.

The lantern is equipped with 256 programmable codes and integrated twilight switch.

To increase the range or to regulate traffic, several rings can be stacked.

Used as a navigation lantern for fixed navigation signs to mark port entrances and maritime obstacles.

Execution and Accessory

Execution	External glass Polycarbonate
Options	Programming device, bird deterrent, radio remote control, GPS, synchronisation module, additional LED rings
Accessory	Pole, power supply unit

Technical Data

Casing	Painted Aluminium
Protection	IP 67
Weight	from 6 kg
Source of light	High Powered LEDs
Mounting	3 or 4 screws
Visibility	approx. 19.4 km (at T=0.74)
Beam angle	5.5° (at 10 % of I_0)
Voltage	10-30V DC
Temperature	-25°C to +55°C

Order Information

Order number	421-c1-c2-c3-L1-L2-L3-w

Color code

Ring 1 (c1)	WH	white,	YE	yellow,
	RD	red,	GN	green,

Ring 2 (c2)	WH	white	YE	yellow
	RD	red	GN	green
	00	no additional ring		

Ring 3 (c3)	WH	white	YE	yellow
	RD	red	GN	green
	00	no additional ring		

Light intensity

Ring 1 (L1)	1	ring with 12 LED
	2	ring with 24 LED

Ring 2 (L2)	1	ring with 12 LED
	2	ring with 24 LED

Ring 3 (L3)	1	ring with 12 LED
	2	ring with24 LED

Beam angle (w)	0	360°
	1	180°

Lichttechnische Daten (stationäre Lichtstärke)							Max. Reichweite [NM] bei T=0.74
1 Ring (12 LED's)	1.700	1.300	1.100	1.200	1,6°	5,5°	≤ 10,5
1 Ring (24 LED's)	7.000	4.500	3.000	4.000	1,6°	5,5°	≤ 13,5
2 Ring (48 LED's)	14.000	9.000	6.000	8.000	1,6°	5,5°	≤ 15,0
3 Ring (72 LED's)	21.000	13.500	9.000	12.000	1,6°	5,5°	≤ 16,0

Side view

1 ring
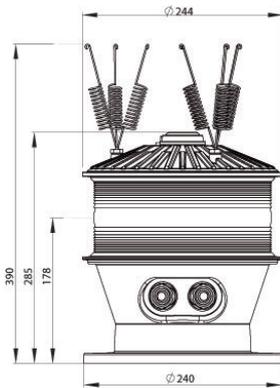
Bottom view
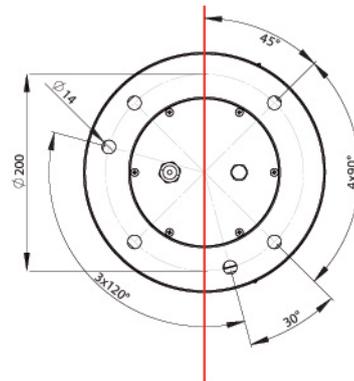
Ring 1

Centre light emission
90° to the right and left

2 or 3 rings
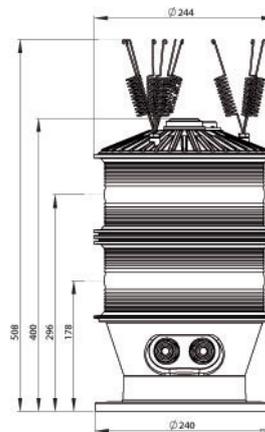
Ring 2

Ring 1

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