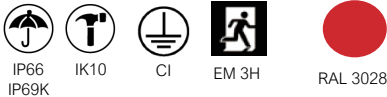
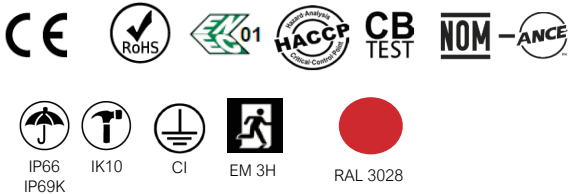


# Polar



## KEY BENEFITS

- Up to 3 sizes.
- High lumen output tubular luminaire.
- Chemical-resistant, UV radiation-resistant, and suitable for demanding applications.
- Emergency kit available to meet various needs.
- Durability and sturdiness: IP66/ IP69K+ IK10
- State-of-the-art LED technology.
- Energy Efficient:  
N: 133 lm/W  
S: 148 lm/W  
M: 158 lm/W
- 3 types of fixation.
- 1 distribution.  
*\* Coming soon 2 new distributions, intensive and extensive. Non-yellowing.*
- L80B50 lifespan of 100,000 hours (Ta) at 35°C.
- 3-hour emergency function.
- Option with sensor.
- Option for continuous line mounting.
- 5 years warranty.



## DESCRIPTION

The Polar luminaire provides a robust solution with exceptional durability for various applications, from farms to industrial environments. Its design includes a high-temperature-resistant silicone sealing gasket, allowing for outdoor installation with thermal stability and UV resistance. With an IP69K rating, it is easy to clean, ensuring enduring light quality. Available in various lengths and options, including an emergency kit with up to 3 hours of autonomy.



4000K  
Ra>80



N: 2.000lm  
S: 4.000lm  
M,: 6.000lm - 8.000lm



-40°C to+ 50°C



N: 133 lm/W  
S: 148 lm/W  
M: 158 lm/W



N: 3,6 Kg  
S: 5,3 Kg  
M: 6,2 Kg

## STANDARD COMPLIANCE

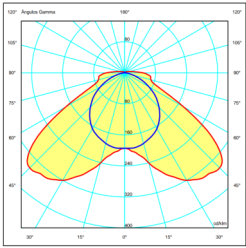
- EN 60598-1:2021+A11:2022
- EN 60598-2-1:2021
- EN 60598-2-24:2013
- EN 62471:2008
- EN 62493:2015
- EN 55015:2019+A11:2020
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 61547:2009
- EN 50581:2012

220-240V- 50/60HZ  
100.000 h.  
Ta 35°C

Distributor: EPK elektro s.r.o.  
info@carandini.cz - www.carandini.cz

**PHOTOMETRIC DISTRIBUTIONS**

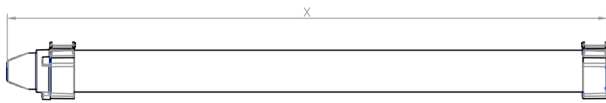
It has the 1 photometric distribution used for the environments in which this type of luminaire is installed, allows it to adapt to all needs:



IS13

\*Coming soon 2 new distributions, intensive and extensive.

**DIMENSIONS**



Model	X	Y	Z
N	885	125	140
S	1450	125	140
M	1730	125	140

**APPLICATIONS**

Chemical industry, car washes, logistics centres, heavy industry, slaughterhouses.



## POLAR CHARACTERISTICS

## GENERAL CHARACTERISTICS

Profile	High-thickness PMMA tube Aluminium profile, backside. Transparent finish.
End caps	PA66 + fibreglass
Gasket	High-temperature resistant MVQ silicone
Finition	RAL-3028 Pure red glossy Cable smooth
Gear tray	White lacquered steel plate + internal aluminium
Cable entry	Cable gland
Fixing clips	Stainless steel
Watertightness	IP66/ IP69K (EN 60598-1 and EN 60598-2-3)
Impact protection grade	IK10 (EN 62262)
Operating temperature	Standard: -40°C to +55°C Emergency: 0°C to +45°C
Lifetime	L80B50 100.000h (Ta) 35°C.

## ELECTRICAL CHARACTERISTICS

Electrical class	Class I
Voltage / Frequency	220-240V- 50/60HZ
Fire protection	Flammability (UL94): HB Glow wire test (EN 60695-2-11): 650°
Connection	3/5 push wire terminal block
THD	10% full load

## LIGHTING CHARACTERISTICS

Package real light	N: 2.000lm (15W) S: 4.000lm (27W) M: .6.000lm - 8.000lm (38 - 52W)
LED colour temperature	4.000K (Neutral White, nw). Other temperatures, consult.
Index of reproduction chromatic (CRI)	CRI>80.
Optics	PMMA polymethylmethacrylate.

## MAINTENANCE AND ASSEMBLY

Installation and maintenance	Easy installation. Option for continuous line mounting.
Accessories	Cable glands and anchors
Fixations	Ceiling mounting Suspended Wall mounting
Weight	N: 3,6 Kg S: 5,3 Kg M: 6,2 Kg
Emergency	3 hours

## MANAGEMENT AND CONTROL

Equipment	1N: 1 Level RD: DALI
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## LOGISTICAL INFORMATION

European pallet	POLAR N	POLAR S	POLAR M
Box dimensions	1010 x 160 x 140 mm	1600 x 160 x 140 mm	1900 x 160 x 140 mm
Box weight	3,6 kg	5,3 kg.	6,2 kg
Number of boxes	50 units	40 units	40 units
Total dimension	1200 x 800 x 1400 mm	1200 x 800 x 1600 mm	1200 x 800 x 1900 cm
Number of levels	10 levels	1 level	1 level
Total gross weight	180 kg	212 kg	248 kg
Total net weight	200 kg	232 kg.	268 kg