

PERUN Polar ta-40



...stainless for extremely low temperatures.

USE

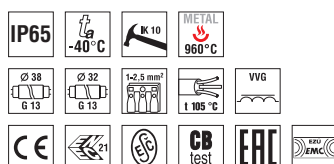
The light fitting is suitable for the illumination of spaces with extremely low ambient temperatures (max. up to -40°C). We recommend the light fitting to be used for tunnels or high-capacity freezers. In order to reach the required level of luminous flux and long lifetime, it is necessary to use special double-shelled tubes for extremely low temperatures, e.g. Philips Master Xtra Polar.

The light fitting is resistant to deformation, dust, spouting water and chemically aggressive environment.

Characteristics of the used tempered glass and its shattering power are controlled by the ČSN EN 12150-1 standard.

ADVANTAGES

- Light fitting protection **IP65**
- Minimum ambient temperature **$t_a = -40^{\circ}\text{C}$**
- Diffuser: tempered glass with high mechanical resistance
- Clips: stainless steel
- Certification: ESC, ENEC, CB and EAC

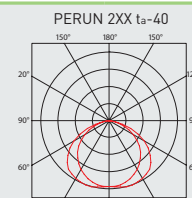
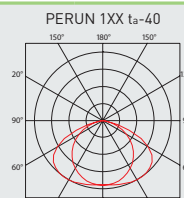


PERUN Polar ta-40



TECHNICAL DESCRIPTION

- Diffuser: tempered glass with wire cords for suspension at assembly
- Body: stainless sheet
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: stainless
- Sealing: silicon, at light fitting body
- Cable glands: PG13.5 brass with surface treatment
- Terminal block: screwless, three-pole (basic version)
- Installation: package contains stainless lugs, stainless washers, rubber distance washers
- Electric equipment: inductive ballast, wires with silicone rubber and electronic pulse starters for low temperatures
- Light fitting protection: IP65
- Minimum ambient temperature $t_a = -40\text{ }^\circ\text{C}$



Code	Type	Light sources [W]	Luminous flux [lm]*	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Diffuser made of tempered glass - inductive ballast - T12/G13							
45410	PERUN 118 Polar ta-40	1x18	1250*	66	3.4	705	485
45420	PERUN 136 Polar ta-40	1x36	3200**	66	5.3	1305	1095
45430	PERUN 158 Polar ta-40	1x58	5000***	66	7.1	1605	1395
45440	PERUN 218 Polar ta-40	2x18	2500*	60	5.2	705	485
45450	PERUN 236 Polar ta-40	2x36	6400**	60	7.8	1305	1095
45460	PERUN 258 Polar ta-40	2x58	10000***	60	8.8	1605	1395

* - total luminous flux of light fitting with double-shelled sources T12/840, \varnothing 38 mm, at the temperature of *15 °C / ** 10 °C / *** 5 °C

PERUN Polar ta-40

Diffuser made of tempered glass, inductive ballast T8, stainless clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
45410	PERUN 118 Polar ta-40	x	x	x	x	x	x
45420	PERUN 136 Polar ta-40	45422	45402	x	x	x	x
45430	PERUN 158 Polar ta-40	45432	45412	x	x	x	x
45440	PERUN 218 Polar ta-40	x	x	x	x	x	x
45450	PERUN 236 Polar ta-40	45452	45482	x	x	x	x
45460	PERUN 258 Polar ta-40	45462	45492	x	x	x	x

Example of type marking: 45492 = PERUN 258 Polar ta-40 3F

LEGEND

- 1F - 1 phase wiring cables for through-wiring
- 3F - 3 phase wiring cables for through-wiring

- M1h - emergency back-up source with operating time of 1 hour (SE) for emergency (non-maintained) illumination
- M3h - emergency back-up source with operating time of 3 hours (SE) for emergency (non-maintained) illumination

LIGHT FITTING ATTACHMENT

- Suspension with the use of stainless lugs and wire cords to a ceiling
- Directly to a ceiling or a wall with the use of screws, stainless and rubber distance washers

LIGHT FITTING DETAILED VIEW

PERUN Polar ta-40

