

PRIMA Polar ta-40



... for extremely low temperatures.

USE

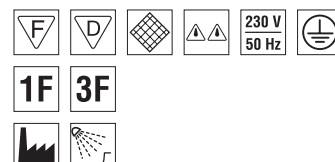
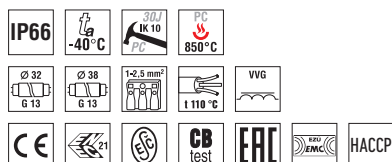
The light fitting is suitable for the illumination of spaces with extremely low ambient temperatures (max. up to -40°C). We recommend the light fitting to be used for tunnels or high-capacity freezers. In order to reach the required level of luminous flux and long lifetime, it is necessary to use special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

The light fitting is resistant to dust, moisture and spouting water. The body and the diffuser made of polycarbonate (PC) have the increased resistance against deformation and impact.

(It is necessary to consider exhalation in the air reducing the usability of the plastic at installations in an aggressive environment, see also page 245.)

ADVANTAGES

- Light fitting protection: IP66
- Minimum ambient temperature $t_a = -40^{\circ}\text{C}$
- Diffuser: polycarbonate (PC) = high mechanical resistance
- Clips: polyamide + 15 % glass fibre or stainless steel + polyamide
- Through-wiring of up to 10 wires at bodies of 236 and 258 type light fittings
- Certification: ESC, ENEC, CB, EAC, HACCP

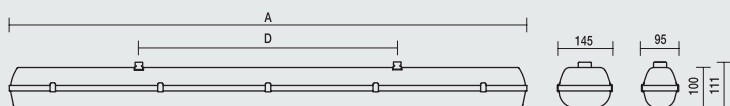


PRIMA Polar ta-40

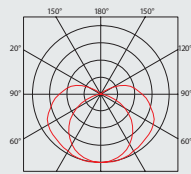


TECHNICAL DESCRIPTION

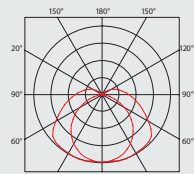
- Diffuser: transparent polycarbonate (PC), UV stable, impact-resistant
- Body: grey polycarbonate (PC), UV stable, impact-resistant
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: polyamide + 15 % glass fibre or stainless steel + polyamide
- Sealing: polyurethane (PUR), foamed body groove
- Cable glands: rubber (SBS)
- Terminal block: screwless, three-pole (basic version)
- Distance part: polyamide + 10 % glass fibre, it is used for reflector attachment during assembly
- Installation: package contains stainless hooks and stainless brackets
- Electric equipment: inductive ballast, wires with silicone rubber and electronic pulse starters for low temperatures
- Light fitting protection: IP66
- Minimum ambient temperature: $t_a = -40^\circ\text{C}$



PRIMA 1XX PC Polar ta-40



PRIMA 2XX PC Polar ta-40



Code	Type	Light sources [W]	Luminous flux [lm]*	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Diffuser made of transparent polycarbonate (PC) - inductive ballast - T12/G13							
38310	PRIMA 118 PC Polar ta-40	1x18	1250*	82	1.4	662	350
38320	PRIMA 136 PC Polar ta-40	1x36	3200**	82	2.1	1272	700
38330	PRIMA 158 PC Polar ta-40	1x58	5000***	82	2.7	1572	940
38340	PRIMA 218 PC Polar ta-40	2x18	2500*	73	1.7	692	350
38350	PRIMA 236 PC Polar ta-40	2x36	6400**	73	3.3	1272	700
38360	PRIMA 258 PC Polar ta-40	2x58	10000***	73	4.2	1572	940

* - 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

PRIMA PC Polar ta-40

Diffuser made of transparent polycarbonate (PC), inductive ballast, plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h	3F M1h	3F M3h
38310	PRIMA 118 PC Polar ta-40	x	x	x	x	x	x	x	x
38320	PRIMA 136 PC Polar ta-40	38322	38302	x	x	x	x	x	x
38330	PRIMA 158 PC Polar ta-40	38332	38312	x	x	x	x	x	x
38340	PRIMA 218 PC Polar ta-40	x	x	x	x	x	x	x	x
38350	PRIMA 236 PC Polar ta-40	38352	38382	x	x	x	x	x	x
38360	PRIMA 258 PC Polar ta-40	38362	38392	x	x	x	x	x	x

PRIMA PCc Polar ta-40

Diffuser made of transparent polycarbonate (PC), inductive ballast, stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h	3F M1h	3F M3h
38410	PRIMA 118 PCc Polar ta-40	x	x	x	x	x	x	x	x
38420	PRIMA 136 PCc Polar ta-40	38422	38402	x	x	x	x	x	x
38430	PRIMA 158 PCc Polar ta-40	38432	38412	x	x	x	x	x	x
38440	PRIMA 218 PCc Polar ta-40	x	x	x	x	x	x	x	x
38450	PRIMA 236 PCc Polar ta-40	38452	38482	x	x	x	x	x	x
38460	PRIMA 258 PCc Polar ta-40	38462	38492	x	x	x	x	x	x

Example of type marking: 38492 = PRIMA 258 PCc 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 (SA) for both permanent and emergency illumination
M3h – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination

LIGHT FITTING ATTACHMENT

- a) Directly to a ceiling or a wall with the use of screws and stainless brackets
- b) Suspension with the use of stainless hooks
- c) Attachment with the use of side hangers to the wall

**LIGHT FITTING DETAILED VIEW**

PRIMA Polar ta-40 °C

