FUTURA MAX

... for extreme temperatures -40 °C to +70 °C.

USE

The light fitting is suitable for indoor and outdoor spaces with roof with extreme ambient temperatures from **(-40 °C to +70 °C)**. The light fitting is destined mainly for heating stations, metallurgical lines, glass-works, as well as for freezers, cooling plants and other premises without danger of explosion of gases, dusts and flammable vapors.

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 which can reduce the usability of the plastic and aluminium at installations in an aggressive environment, see also page 321).

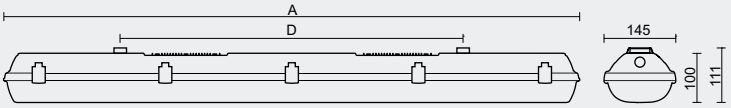
ADVANTAGES

- Light fitting protection **IP66**
- Minimum ambient temperature up to **t_a = -40 °C**
- Maximum ambient temperature up to **t_a = 70 °C**
- Lifetime: 50,000 hours / L80B10
- Possibility of using in even higher ambient temperatures under the condition of a shortened service life of the light fitting – parameters solved within a particular project
- Diffuser: translucent polycarbonate (PC) = high mechanical resistance
- Body: grey polycarbonate with Al coolers (PC Al) = high mechanical resistance
- Up to 45 % lower electricity consumption when compared to tubes T5
- Constant luminous flux even in ambient temperature of -40 °C
- Standard model - CRI > 80: 4000 K
- At request CRI > 80: 3000 K, 5000 K
- Through-wiring of up to 10 wires at body
- Certification: HACCP

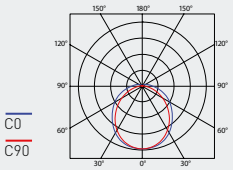
FUTURA MAX PCc Al

TECHNICAL DESCRIPTION

- Light fitting protection: IP66
- Minimum ambient temperature: t_a = -40 °C
- Maximum ambient temperature: t_a = 70 °C
- Lifetime: 50,000 hours / L80B10
- Possibility of using in even higher ambient temperatures under the condition of a shortened service life of the light fitting – parameters solved within a particular project
- Maximum system efficacy: 161 lm/W
- The watt and lumen values can vary by ± 7,5 %
- Standard model - CRI > 80: 4000 K
- MacAdam = 3 SDCM
- Diffuser: translucent polycarbonate (PC), UV stable, impact-resistant
- Body: grey polycarbonate with Al coolers (PC Al), UV stable, impact-resistant
- Reflector: steel sheet, white colour (RAL 9003)
- Ventilation plug: type BVPB-01 made of polyamide, size M12 × 1.5
- Clips: stainless steel + polyamide
- Sealing: polyurethane (PUR), foamed body groove
- Cable glands: screwed PG 13.5
- Distance part: polyamide + 10 % glass fibre
- Terminal block: screwless, three-pole (basic version)
- Installation: package contains stainless hooks and stainless brackets
- Electric equipment: LED modules, current driver



FUTURA MAX 2.4ft



Code	Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Net weight [kg]	A [mm]	D [mm]
	For ambient temperature t_a = 70 °C - body: grey polycarbonate with Al coolers - diffuser: translucent polycarbonate								
79820	FUTURA 1.5ft MAX PCc Al 4000/840	70	3880	3650	24	152	3,6	1452	940
79830	FUTURA 1.5ft MAX PCc Al 5500/840	65	5420	5090	33	154	3,6	1452	940
79840	FUTURA 2.4ft MAX PCc Al 6400/840	65	6260	5880	37	159	3,0	1172	700
79800	FUTURA 2.4ft MAX PCc Al 8800/840	60	8710	8190	51	161	3,0	1172	700
79850	FUTURA 2.5ft MAX PCc Al 8000/840	65	7750	7290	46	158	3,9	1452	940
79810	FUTURA 2.5ft MAX PCc Al 11000/840	60	12050	11330	71	160	3,9	1452	940

FUTURA MAX PCc Al

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	DALI	DALI 3F
79820	FUTURA 1.5ft MAX PCc Al 4000/840	79821	79823	x	x	79825	79826
79830	FUTURA 1.5ft MAX PCc Al 5500/840	79831	79833	x	x	79835	79836
79840	FUTURA 2.4ft MAX PCc Al 6400/840	79841	79843	x	x	79845	79846
79800	FUTURA 2.4ft MAX PCc Al 8800/840	79801	79803	x	x	79805	79806
79850	FUTURA 2.5ft MAX PCc Al 8000/840	79851	79853	x	x	79855	79856
79810	FUTURA 2.5ft MAX PCc Al 11000/840	79811	79813	x	x	79815	79816

Example of type marking: 79813 = FUTURA MAX 2.5ft PCc Al 11000/840 **3F**

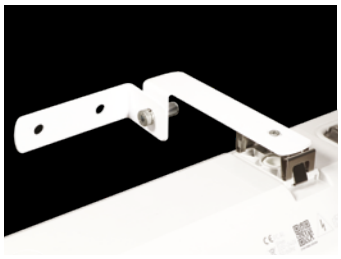
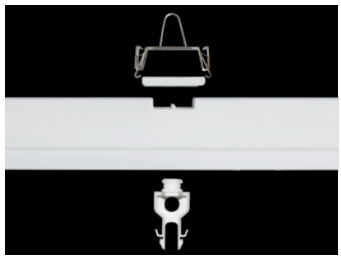
LEGEND

1F 1-phase 3 core through-wiring in the luminaire
3F 3-phase 5 core through-wiring in the luminaire
M1h emergency back-up source with 1 hour operating time for maintained emergency illumination
M3h emergency back-up source with 3 hour operating time for maintained emergency illumination
3F Mxh 3-phase 5 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)
DALI version with digital dimmable driver DALI
DALI 1F 1-phase 5 core through-wiring in the luminaire
DALI 3F 3-phase 7 core through-wiring in the luminaire
DALI 3F Mxh 3-phase 7 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)

LIGHT FITTING ATTACHMENT

a) Directly to a ceiling 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

FUTURA MAX