

FUTURA HE

NEW



173
lm/W

... high efficiency, with sulphur-resistant LED chips.

USE

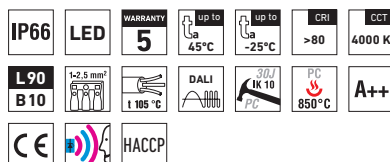
The light fitting is suitable for industrial indoor and outdoor roofed spaces, warehouses, sports areas, workshops, garages, transport terminals, utility structures and laboratories without a danger of explosion of gas, dust and combustible fumes.

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. 219).

ADVANTAGES

- Light fitting protection **IP66**
- Maximum ambient temperature up to **t_a = 45 °C**
- Lifetime: 50,000 hours / L90B10
- Diffuser: translucent polycarbonate (PC) = high mechanical resistance
- Body: grey polycarbonate with Al coolers (PC Al) = high mechanical resistance
- Up to 55 % lower electricity consumption when compared to tubes T5
- In DALI version possibility of constant luminous flux for whole lifetime (CLO)
- Constant luminous flux even in ambient temperature of -25 °C
- Standard model - CRI > 80: 4000 K
- It can be delivered in dimmable or emergency version
- Through-wiring of up to 10 wires at body
- **Chips with high sulphur resistance**
- Long lifetime due to low thermal resistance
- Certification: ENEC, CB, HACCP

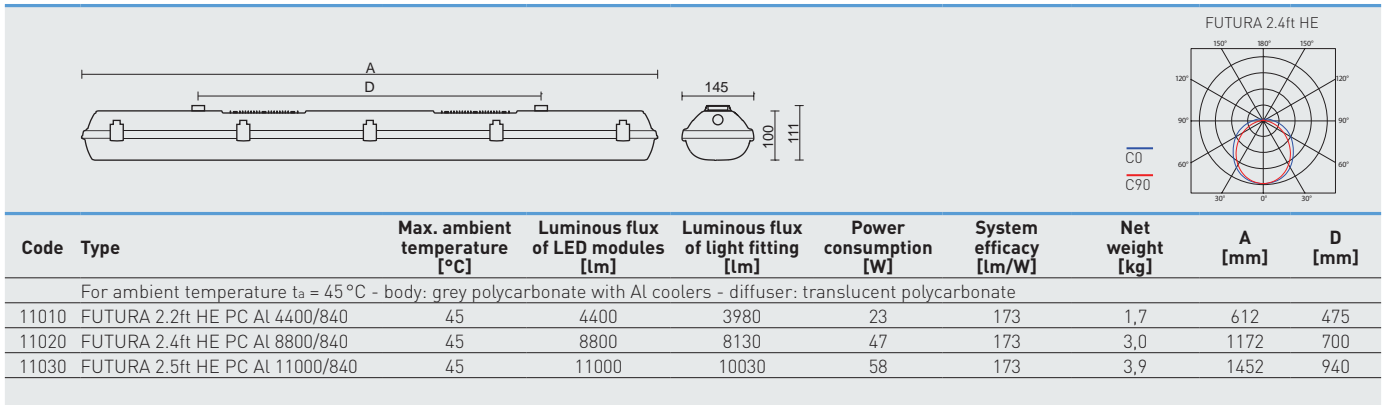


FUTURA HE PC Al, PCc Al



TECHNICAL DESCRIPTION

- Light fitting protection: IP66
- Maximum ambient temperature: $t_a = 45^\circ\text{C}$, Maximum ambient temperature: $t_a = 25^\circ\text{C}$ (version with emergency back-up source for 1 or 3 hours; M1h, M3h)
- Maximum system efficacy: 173 lm/W
- The watt and lumen values can vary by $\pm 7,5\%$
- Standard model - CRI > 80: 4000 K
- Lifetime: 50,000 hours / L90B10
- 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)
- Clips: polyamide + 15 % glass fibre or 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 or current driver DALI



FUTURA HE PC Al

Non-dimmable driver - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
11010	FUTURA 2.2ft HE PC Al 4400/840	x	x	11014	11015	x	x
11020	FUTURA 2.4ft HE PC Al 8800/840	11021	11023	11024	11025	11026	11027
11030	FUTURA 2.5ft HE PC Al 11000/840	11031	11033	11034	11035	11036	11037

FUTURA HE PCc Al

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
11040	FUTURA 2.2ft HE PCc Al 4400/840	x	x	11044	11045	x	x
11050	FUTURA 2.4ft HE PCc Al 8800/840	11051	11053	11054	11055	11056	11057
11060	FUTURA 2.5ft HE PCc Al 11000/840	11061	11063	11064	11065	11066	11067

FUTURA HE PC Al DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
11070	FUTURA 2.2ft HE PC Al 4400/840 DALI	x	x	11074	11075	x	x
11080	FUTURA 2.4ft HE PC Al 8800/840 DALI	11081	11083	11084	11085	11086	11087
11090	FUTURA 2.5ft HE PC Al 11000/840 DALI	11091	11093	11094	11095	11096	11097

FUTURA HE PCc Al DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
11100	FUTURA 2.2ft HE PCc Al 4400/840 DALI	x	x	11104	11105	x	x
11110	FUTURA 2.4ft HE PCc Al 8800/840 DALI	11111	11113	11114	11115	11116	11117
11120	FUTURA 2.5ft HE PCc Al 11000/840 DALI	11121	11123	11124	11125	11126	11127

Example of type marking: 11116 = FUTURA 2.4ft HE PCc Al 8800/840 DALI 3F M1h

LEGEND

- DALI** – version with digital dimmable driver DALI
- 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

Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

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

FUTURA HE

