

FUTURA HE ABS

NEW



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

USE

The light fitting is suitable for the environment where ammoniac fumes, lixivants, alkaline compounds and hot water (hydrolyses) can be present. We recommend this light fitting for agricultural operations, stables, car washing lines, warehouses, mechanical workshops 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 made of ABS and the diffuser made of AC have increased chemical resistance.

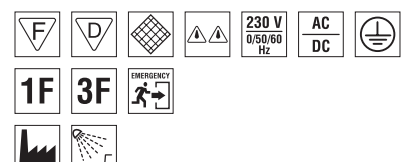
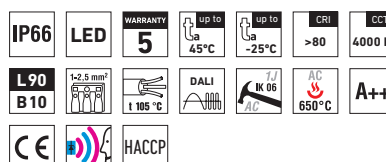
(It is necessary to consider exhalation in the air which can reduce the usability of the plastic and aluminium at installations in an aggressive environment, see also page 219).

Always open the cover of the light fitting out of an environment with aggressive volatile substances.

ADVANTAGES

- Light fitting protection **IP66**
- Maximum ambient temperature up to **t_a = 45 °C**
- Lifetime: 50,000 hours / L90B10
- Diffuser: translucent acrylate (AC) = high chemical resistance
- Body: dark grey ABS with Al coolers (ABS Al) = high chemical 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

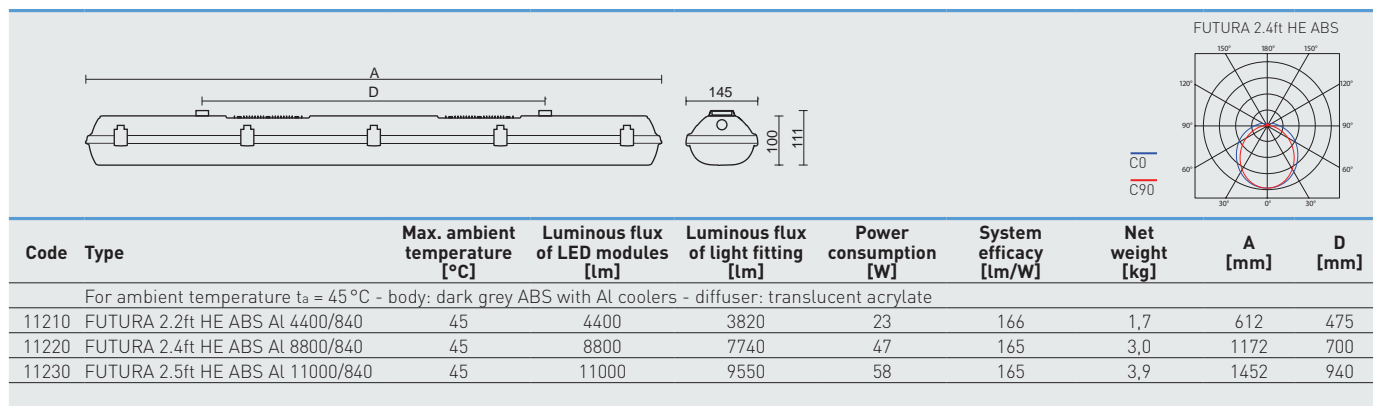


FUTURA HE ABS Al, ABSc Al



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: 166 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 acrylate (AC), UV stable, chemically resistant
- Body: dark grey ABS with Al coolers (ABS Al), UV stable, chemically 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 ABS Al

Non-dimmable driver - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
11210	FUTURA 2.2ft HE ABS Al 4400/840	x	x	11214	11215	x	x
11220	FUTURA 2.4ft HE ABS Al 8800/840	11221	11223	11224	11225	11226	11227
11230	FUTURA 2.5ft HE ABS Al 11000/840	11231	11233	11234	11235	11236	11237

FUTURA HE ABSc Al

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
11240	FUTURA 2.2ft HE ABSc Al 4400/840	x	x	11244	11245	x	x
11250	FUTURA 2.4ft HE ABSc Al 8800/840	11251	11253	11254	11255	11256	11257
11260	FUTURA 2.5ft HE ABSc Al 11000/840	11261	11263	11264	11265	11266	11267

FUTURA HE ABS Al DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
11270	FUTURA 2.2ft HE ABS Al 4400/840 DALI	x	x	11274	11275	x	x
11280	FUTURA 2.4ft HE ABS Al 8800/840 DALI	11281	11283	11284	11285	11286	11287
11290	FUTURA 2.5ft HE ABS Al 11000/840 DALI	11291	11293	11294	11295	11296	11297

FUTURA HE ABSc Al DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
11300	FUTURA 2.2ft HE ABSc Al 4400/840 DALI	x	x	11304	11305	x	x
11310	FUTURA 2.4ft HE ABSc Al 8800/840 DALI	11311	11313	11314	11315	11316	11317
11320	FUTURA 2.5ft HE ABSc Al 11000/840 DALI	11321	11323	11324	11325	11326	11327

Example of type marking: 11316 = FUTURA 2.4ft HE ABSc 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

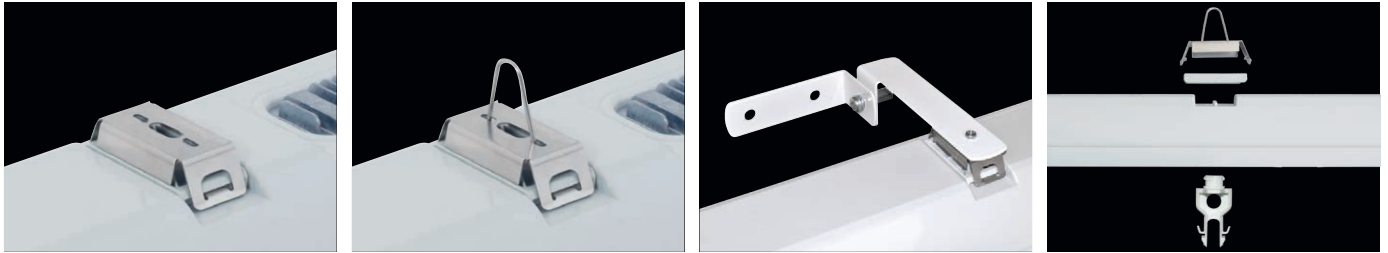
M1h – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination

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 ABS

