FUTURA SR ABS



... sulphur resistant LED chips, chemically resistant, MultiLumen.

USE

The light fitting is suitable for the environment where ammoniac fumes, lixiviants, 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.

Emissions in the environment of use may reduce the usability of the plastics; for more information see page 421.

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

ADVANTAGES

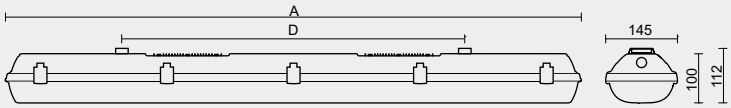
- Light fitting protection **IP66**
- Maximum ambient temperature up to t_a **= 50 °C**
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- Diffuser: translucent acrylate (AC) = high chemical resistance
- Body: dark grey ABS with Al coolers (ABS Al) = high chemical resistance
- Up to 55 % lower electricity consumption when compared to tubes T5
- In DALI version possibility of constant luminous flux for whole lifetime (CLO)
- **MultiLumen (ML)** function enables simple switching between up to four luminous fluxes via driver's DIP switch
- 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: EPD, ENEC, HACCP

FUTURA SR ABS Al, ABSc Al

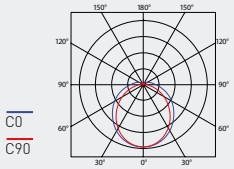


TECHNICAL DESCRIPTION

- Light fitting protection: IP66
- Maximum ambient temperature: t_a = 50 °C, Maximum ambient temperature: t_a = 0-40 °C (version with emergency back-up M3hAt)
- Maximum system efficacy: 171 lm/W
- The watt and lumen values can vary by ± 7,5 %
- Standard model - CRI > 80: 4000 K
- MacAdam = 3 SDCM
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- **MultiLumen (ML):** luminous flux variable in up to 4 steps. In the standard version preset maximum luminous flux.
- 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 sulphur-resistant modules, current driver or current driver DALI



FUTURA 2.4ft SR ABS



Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Preselected Step 1 of MultiLumen function			Net weight [kg]	A [mm]	D [mm]
			Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]			
For ambient temperature t_a = 50 °C - body: dark grey ABS with Al coolers - diffuser: translucent acrylate								
FUTURA 2.2ft SR ABS Al 3200/840	50	3570	3250	19,8	164	1,45	612	475
FUTURA 2.2ft SR ABS Al 4400/840 *	45	4920	4480	27,8	161	1,45	612	475
FUTURA 2.4ft SR ABS Al 6400/840	50	6780	6170	36,6	169	2,45	1172	700
FUTURA 2.4ft SR ABS Al 8800/840 *	45	9380	8540	51,5	166	2,45	1172	700
FUTURA 2.4ft SR ABS Al 12800/840	35	13390	12180	72,6	168	2,65	1172	700
FUTURA 2.5ft SR ABS Al 8000/840	50	8540	7770	45,5	171	2,95	1452	940
FUTURA 2.5ft SR ABS Al 11000/840 *	45	11710	10660	63,7	167	2,95	1452	940
FUTURA 2.5ft SR ABS Al 16000/840	35	16960	15430	91,3	169	3,25	1452	940

*) Also available with MultiLumen function:

Type	MultiLumen function								
	Step 2			Step 3			Step 4		
	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]
FUTURA 2.2ft SR ABS Al 4400/840 ML	3860	23,7	163	3250	19,8	164	2620	16,1	163
FUTURA 2.4ft SR ABS Al 8800/840 ML	7390	44,3	167	6170	36,6	169	4980	29,2	171
FUTURA 2.5ft SR ABS Al 11000/840 ML	9230	54,5	169	7770	45,5	171	6270	36,7	171

FUTURA SR ABS Al

Non-dimmable driver - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
11200	FUTURA 2.2ft SR ABS Al 3200/840	x	x	109342	x
11210	FUTURA 2.2ft SR ABS Al 4400/840 ML	x	x	109343	x
11206	FUTURA 2.4ft SR ABS Al 6400/840	11207	11208	109345	109349
11220	FUTURA 2.4ft SR ABS Al 8800/840 ML	11221	11223	109346	109350
11216	FUTURA 2.4ft SR ABS Al 12800/840	11217	11218	x	x
11219	FUTURA 2.5ft SR ABS Al 8000/840	11222	11228	109347	109351
11230	FUTURA 2.5ft SR ABS Al 11000/840 ML	11231	11233	109348	109352
11241	FUTURA 2.5ft SR ABS Al 16000/840	11242	11243	x	x

FUTURA SR ABSc Al

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
11246	FUTURA 2.2ft SR ABSc Al 3200/840	x	x	109353	x
11240	FUTURA 2.2ft SR ABSc Al 4400/840 ML	x	x	109354	x
11259	FUTURA 2.4ft SR ABSc Al 6400/840	11262	11268	109356	109360
11250	FUTURA 2.4ft SR ABSc Al 8800/840 ML	11251	11253	109357	109361
11276	FUTURA 2.4ft SR ABSc Al 12800/840	11277	11278	x	x
11279	FUTURA 2.5ft SR ABSc Al 8000/840	11282	11288	109358	109362
11260	FUTURA 2.5ft SR ABSc Al 11000/840 ML	11261	11263	109359	109363
11301	FUTURA 2.5ft SR ABSc Al 16000/840	11302	11303	x	x

FUTURA SR ABS Al DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
11306	FUTURA 2.2ft SR ABS Al 3200/840 DALI	x	x	109364	x
11270	FUTURA 2.2ft SR ABS Al 4400/840 DALI	x	x	109365	x
11319	FUTURA 2.4ft SR ABS Al 6400/840 DALI	11322	11328	109367	109371
11280	FUTURA 2.4ft SR ABS Al 8800/840 DALI	11281	11283	109368	109372
11333	FUTURA 2.4ft SR ABS Al 12800/840 DALI	11334	11335	x	x
11336	FUTURA 2.5ft SR ABS Al 8000/840 DALI	11337	11338	109369	109373
11290	FUTURA 2.5ft SR ABS Al 11000/840 DALI	11291	11293	109370	109374
11343	FUTURA 2.5ft SR ABS Al 16000/840 DALI	11344	11345	x	x

FUTURA SR ABSc Al DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
11346	FUTURA 2.2ft SR ABSc Al 3200/840 DALI	x	x	109375	x
11300	FUTURA 2.2ft SR ABSc Al 4400/840 DALI	x	x	109376	x
11352	FUTURA 2.4ft SR ABSc Al 6400/840 DALI	11353	11354	109378	109382
11310	FUTURA 2.4ft SR ABSc Al 8800/840 DALI	11311	11313	109379	109383
11359	FUTURA 2.4ft SR ABSc Al 12800/840 DALI	11360	11361	x	x
11362	FUTURA 2.5ft SR ABSc Al 8000/840 DALI	11363	11364	109380	109384
11320	FUTURA 2.5ft SR ABSc Al 11000/840 DALI	11321	11323	109381	109385
11369	FUTURA 2.5ft SR ABSc Al 16000/840 DALI	11370	11371	x	x

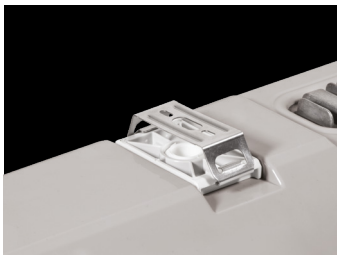
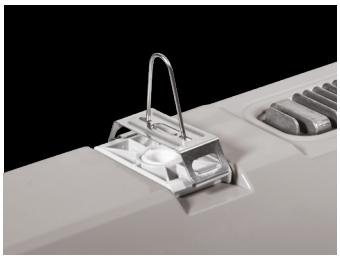
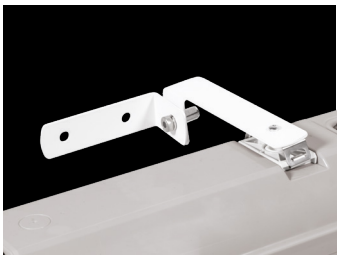
LEGEND

1F - 1-phase 3 core through-wiring in the luminaire
3F - 3-phase 5 core through-wiring in the luminaire
M3hAt - emergency back-up source with 3 hour operating time for maintained emergency illumination with battery autotest
3F M3hAt - 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 M3hAt - 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 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 - is not included in accessories

LIGHT FITTING DETAILED VIEW

FUTURA SR ABS

