

FUTURA SNS



... dustproof, waterproof and impact-resistant.

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 321).

ADVANTAGES

- Light fitting protection **IP66**
- Maximum ambient temperature up to **t_a = 50 °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 45 % lower electricity consumption when compared to tubes T5
- Current driver with the 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
- At request CRI > 80: 3000 K, 4000 K, 5000 K, 6500 K, CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K
- With built-in **microwave motion sensor**
- The possibility of setting the sensor using the DIP switch
- It can be delivered in dimmable or emergency version
- Through-wiring of up to 10 wires at body
- Certification: HACCP



FUTURA SNS PC AL, PCc AL



TECHNICAL DESCRIPTION

- Light fitting protection: IP66
- Maximum ambient temperature: $t_a = 50^\circ\text{C}$, Maximum ambient temperature: $t_a = 0-25^\circ\text{C}$ (version with emergency back-up source for 1 or 3 hours; M1h, M3h)
- Maximum system efficacy: 161 lm/W
- The watt and lumen values can vary by $\pm 7,5\%$
- Standard model - CRI > 80: 4000 K
- MacAdam = 3 SDCM
- 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 digital dimmable driver DALI
- Motion sensor: 360° range, switch on height 1 – 6 m, time range 5 sec – 30 min, switch-on sensitivity 2 – 50 lux

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 $t_a = 50^\circ\text{C}$ - body: grey polycarbonate with Al coolers - diffuser: translucent polycarbonate									
79010	FUTURA 2.2ft SNS PC AL 2600/840	50	2630	2470	16	154	1,5	612	475
79020	FUTURA 2.2ft SNS PC AL 3200/840	50	3110	2920	19	154	1,5	612	475
79030	FUTURA 2.2ft SNS PC AL 4400/840	45	4390	4130	27	153	1,7	612	475
79040	FUTURA 2.4ft SNS PC AL 5200/840	50	5150	4840	31	156	2,9	1172	700
79050	FUTURA 2.4ft SNS PC AL 6400/840	50	6260	5880	37	159	2,9	1172	700
79060	FUTURA 2.4ft SNS PC AL 8800/840	45	8710	8190	51	161	3,0	1172	700
79410	FUTURA 2.4ft SNS PC AL 12800/840	35	14000	13160	84	157	3,0	1172	700
79070	FUTURA 2.5ft SNS PC AL 6500/840	50	6380	6000	38	158	3,8	1452	940
79080	FUTURA 2.5ft SNS PC AL 8000/840	50	7750	7290	46	158	3,9	1452	940
79090	FUTURA 2.5ft SNS PC AL 11000/840	45	12050	11330	71	160	3,9	1452	940
79420	FUTURA 2.5ft SNS PC AL 16000/840	35	17550	16500	104	159	3,9	1452	940

79050 FUTURA 2.4ft SNS PC AL 6400/840 = suitable replacement for T8 fl. tube light fitting PRIMA 236 – 2x36 W
 79080 FUTURA 2.5ft SNS PC AL 8000/840 = suitable replacement for T8 fl. tube light fitting PRIMA 258 – 2x58 W

FUTURA SNS PC AL

Non-dimmable driver - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
79010	FUTURA 2.2ft SNS PC AL 2600/840	x	x	79014	x	x	x
79020	FUTURA 2.2ft SNS PC AL 3200/840	x	x	79024	x	x	x
79030	FUTURA 2.2ft SNS PC AL 4400/840	x	x	79034	x	x	x
79040	FUTURA 2.4ft SNS PC AL 5200/840	79140	79340	79044	79045	79344	79345
79050	FUTURA 2.4ft SNS PC AL 6400/840	79150	79350	79054	79055	79354	79355
79060	FUTURA 2.4ft SNS PC AL 8800/840	79160	79360	79064	79065	79364	79365
79410	FUTURA 2.4ft SNS PC AL 12800/840	79411	79412	x	x	x	x
79070	FUTURA 2.5ft SNS PC AL 6500/840	79170	79370	79074	79075	79374	79375
79080	FUTURA 2.5ft SNS PC AL 8000/840	79180	79380	79084	79085	79384	79385
79090	FUTURA 2.5ft SNS PC AL 11000/840	79190	79390	79094	79095	79394	79395
79420	FUTURA 2.5ft SNS PC AL 16000/840	79421	79422	x	x	x	x

FUTURA SNS PCc AL

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
79210	FUTURA 2.2ft SNS PCc AL 2600/840	x	x	79214	x	x	x
79220	FUTURA 2.2ft SNS PCc AL 3200/840	x	x	79224	x	x	x
79230	FUTURA 2.2ft SNS PCc AL 4400/840	x	x	79234	x	x	x
79240	FUTURA 2.4ft SNS PCc AL 5200/840	79540	79640	79244	79245	79644	79645
79250	FUTURA 2.4ft SNS PCc AL 6400/840	79550	79650	79254	79255	79654	79655
79260	FUTURA 2.4ft SNS PCc AL 8800/840	79560	79660	79264	79265	79664	79665
79430	FUTURA 2.4ft SNS PCc AL 12800/840	79431	79432	x	x	x	x
79270	FUTURA 2.5ft SNS PCc AL 6500/840	79570	79670	79274	79275	79674	79675
79280	FUTURA 2.5ft SNS PCc AL 8000/840	79580	79680	79284	79285	79684	79685
79290	FUTURA 2.5ft SNS PCc AL 11000/840	79590	79690	79294	79295	79694	79695
79440	FUTURA 2.5ft SNS PCc AL 16000/840	79441	79442	x	x	x	x

Example of type marking: 79684 = FUTURA 2.5ft SNS PCc AL 8000/840 **3F M1h**

FUTURA SNS PC Al CORRIDOR

Digital dimmable driver - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
79043	FUTURA 2.4ft SNS PC Al 5200/840 CORRIDOR	79143	79343	79047	79049	79347	79349
79053	FUTURA 2.4ft SNS PC Al 6400/840 CORRIDOR	79153	79353	79057	79059	79357	79359
79063	FUTURA 2.4ft SNS PC Al 8800/840 CORRIDOR	79163	79363	79067	79069	79367	79369
79073	FUTURA 2.5ft SNS PC Al 6500/840 CORRIDOR	79173	79373	79077	79079	79377	79379
79083	FUTURA 2.5ft SNS PC Al 8000/840 CORRIDOR	79183	79383	79087	79089	79387	79389
79093	FUTURA 2.5ft SNS PC Al 11000/840 CORRIDOR	79193	79393	79097	79099	79397	79399

FUTURA SNS PCc Al CORRIDOR

Digital dimmable driver - stainless clips [c]

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
79243	FUTURA 2.4ft SNS PCc Al 5200/840 CORRIDOR	79543	79643	79247	79249	79647	79649
79253	FUTURA 2.4ft SNS PCc Al 6400/840 CORRIDOR	79553	79653	79257	79259	79657	79659
79263	FUTURA 2.4ft SNS PCc Al 8800/840 CORRIDOR	79563	79663	79267	79269	79667	79669
79273	FUTURA 2.5ft SNS PCc Al 6500/840 CORRIDOR	79573	79673	79277	79279	79677	79679
79283	FUTURA 2.5ft SNS PCc Al 8000/840 CORRIDOR	79583	79683	79287	79289	79687	79689
79293	FUTURA 2.5ft SNS PCc Al 11000/840 CORRIDOR	79593	79693	79297	79299	79697	79699

Example of type marking: 79687 = FUTURA 2.5ft SNS PCc Al 8000/840 CORRIDOR **3F M1h**

LEGEND

- SNS 1F** 1-phase 3 core through-wiring in the luminaire for connection of max. 5 slave luminaires
- SNS 3F** 3-phase 5 core through-wiring in the luminaire for connection of max. 5 slave luminaires (sensor connected to L3)
- 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
- SNS 3F Mxh** 3-phase 5 core through-wiring in the luminaire for connection of max. 5 slave luminaires (sensor and emergency unit connected to L3)
- CORRIDOR** version with digital dimmable driver DALI and set corridor function
- CORRIDOR 1F** 1-phase 5 core through-wiring in the luminaire for connection of max. 20 luminaires
- CORRIDOR 3F** 3-phase 7 core through-wiring in the luminaire for connection of max. 20 luminaires (sensor connected to L3)
- CORRIDOR 3F Mxh** 3-phase 7 core through-wiring in the luminaire for connection of max. 20 luminaires (sensor and emergency unit connected to L3)

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 SNS

