

FUTURA SNS



BIM
ready

... dustproof, waterproof and impact-resistant.

USE

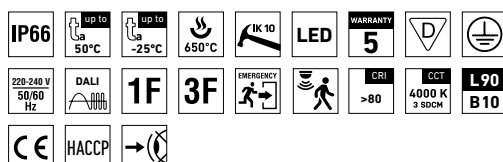
The light fitting is suitable for industrial indoor and outdoor roofed spaces, warehouses, sports areas, workshops, garages, transport terminals, utility structures and laboratories without a danger of explosion of gas, dust and combustible fumes.

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.

Emissions in the environment of use may reduce the usability of the plastics; for more information see page 407.

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 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, 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

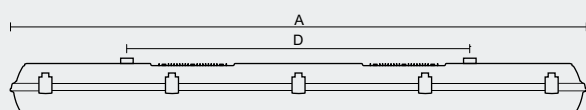


FUTURA SNS PC Al, PCc Al



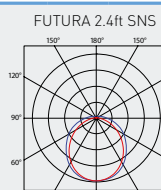
TECHNICAL DESCRIPTION

- Light fitting protection: IP66
- Maximum ambient temperature: $t_a = 50^\circ\text{C}$, Maximum ambient temperature: $t_a = 0-40^\circ\text{C}$ (version with emergency back-up M3hAt)
- Maximum system efficacy: 164 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
- Lifetime: 100,000 hours / L80B10
- 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: detection angle $30^\circ-150^\circ$, switch on height 1 – 6 m, time range 5 sec – 15 min, switch-on sensitivity 2 – 50 lux



UGR EVALUATED FOR

X = 4 H, Y = 8 H S = 0.25 H
Reflectivity 70/50/20



Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	UGR Longitudinal/transverse	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									
FUTURA 2.2ft SNS PC Al 3200/840	50	3250	3060	20,1	152	24.2 / 22.1	1,55	612	475
FUTURA 2.2ft SNS PC Al 4400/840	45	4680	4400	28,3	155	25.4 / 23.5	1,55	612	475
FUTURA 2.4ft SNS PC Al 6400/840	50	6520	6130	38,4	160	24.4 / 22.5	2,55	1172	700
FUTURA 2.4ft SNS PC Al 8800/840	45	8980	8440	52,8	160	25.5 / 23.6	2,55	1172	700
FUTURA 2.4ft SNS PC Al 12800/840	35	12920	12140	74,8	162	26.7 / 24.9	2,75	1172	700
FUTURA 2.5ft SNS PC Al 8000/840	50	8330	7830	48,3	162	24.5 / 22.6	3,05	1452	940
FUTURA 2.5ft SNS PC Al 11000/840	45	11260	10580	64,7	164	25.5 / 23.7	3,05	1452	940
FUTURA 2.5ft SNS PC Al 16000/840	35	16100	15130	92,7	163	26.7 / 24.9	3,35	1452	940

79050 FUTURA 2.4ft SNS PC Al 6400/840 = suitable replacement for T8 fl. tube light fitting PRIMA 236 – 2 × 36W

79080 FUTURA 2.5ft SNS PC Al 8000/840 = suitable replacement for T8 fl. tube light fitting PRIMA 258 – 2 × 58W

FUTURA SNS PC Al

Code	Type
79020	FUTURA 2.2ft SNS PC Al 3200/840
79030	FUTURA 2.2ft SNS PC Al 4400/840
79050	FUTURA 2.4ft SNS PC Al 6400/840
79060	FUTURA 2.4ft SNS PC Al 8800/840
79410	FUTURA 2.4ft SNS PC Al 12800/840
79080	FUTURA 2.5ft SNS PC Al 8000/840
79090	FUTURA 2.5ft SNS PC Al 11000/840
79420	FUTURA 2.5ft SNS PC Al 16000/840

Non-dimmable driver - plastic clips

1F	3F	M3hAt	3F M3hAt
x	x	20478	x
x	x	20479	x
79150	79350	109451	109457
79160	79360	109452	109458
79411	79412	x	x
79180	79380	109454	109460
79190	79390	109455	109461
79421	79422	x	x

FUTURA SNS PCc Al

Code	Type
79220	FUTURA 2.2ft SNS PCc Al 3200/840
79230	FUTURA 2.2ft SNS PCc Al 4400/840
79250	FUTURA 2.4ft SNS PCc Al 6400/840
79260	FUTURA 2.4ft SNS PCc Al 8800/840
79430	FUTURA 2.4ft SNS PCc Al 12800/840
79280	FUTURA 2.5ft SNS PCc Al 8000/840
79290	FUTURA 2.5ft SNS PCc Al 11000/840
79440	FUTURA 2.5ft SNS PCc Al 16000/840

Non-dimmable driver - stainless clips [c]

1F	3F	M3hAt	3F M3hAt
x	x	20480	x
x	x	20481	x
79550	79650	109475	109481
79560	79660	109476	109482
79431	79432	x	x
79580	79680	109478	109484
79590	79690	109479	109485
79441	79442	x	x

FUTURA SNS PC Al CORRIDOR

Digital dimmable driver - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
20482	FUTURA 2.2ft SNS PC Al 3200/840 COR	x	x	20484	x
20483	FUTURA 2.2ft SNS PC Al 4400/840 COR	x	x	20485	x
79053	FUTURA 2.4ft SNS PC Al 6400/840 COR	79153	79353	109463	109469
79063	FUTURA 2.4ft SNS PC Al 8800/840 COR	79163	79363	109464	109470
20486	FUTURA 2.4ft SNS PC Al 12800/840 COR	20487	20488	x	x
79083	FUTURA 2.5ft SNS PC Al 8000/840 COR	79183	79383	109466	109472
79093	FUTURA 2.5ft SNS PC Al 11000/840 COR	79193	79393	109467	109473
20489	FUTURA 2.5ft SNS PC Al 16000/840 COR	20490	20491	x	x

FUTURA SNS PCc Al CORRIDOR

Digital dimmable driver - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
20492	FUTURA 2.2ft SNS PCc Al 3200/840 COR	x	x	20494	x
20493	FUTURA 2.2ft SNS PCc Al 4400/840 COR	x	x	20495	x
79253	FUTURA 2.4ft SNS PCc Al 6400/840 COR	79553	79653	109487	109493
79263	FUTURA 2.4ft SNS PCc Al 8800/840 COR	79563	79663	109488	109494
20496	FUTURA 2.4ft SNS PCc Al 12800/840 COR	20497	20498	x	x
79283	FUTURA 2.5ft SNS PCc Al 8000/840 COR	79583	79683	109490	109496
79293	FUTURA 2.5ft SNS PCc Al 11000/840 COR	79593	79693	109491	109497
20499	FUTURA 2.5ft SNS PCc Al 16000/840 COR	20500	20501	x	x

LEGEND

- 1F** - 1-phase 3 core through-wiring in the luminaire for connection of max. 5 slave luminaires
- 3F** - 3-phase 5 core through-wiring in the luminaire for connection of max. 5 slave luminaires (sensor connected to L3)
- 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 for connection of max. 5 slave luminaires (sensor and emergency unit connected to L3)
- COR** - version with digital dimmable driver DALI and set CORRIDOR function
- COR 1F** - 1-phase 5 core through-wiring in the luminaire for connection of max. 20 luminaires
- COR 3F** - 3-phase 7 core through-wiring in the luminaire for connection of max. 20 luminaires (sensor connected to L1)
- COR 3F M3hAt** - 3-phase 7 core through-wiring in the luminaire for connection of max. 20 luminaires (sensor connected to L1 and emergency unit 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 - is not included in accessories



LIGHT FITTING DETAILED VIEW

FUTURA SNS

