

FUTURA VP



BIM
ready

... for outdoor spaces.

USE

The light fitting is suitable for the installation in outdoor spaces with shelter. It is equipped with a ventilation plug made of polyamide which eliminates the presence of condensation fumes and underpressure in the light fitting caused by ambient temperature fluctuations.

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
- 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
- At request CRI > 80: 3000 K, 5000 K, 6500 K, CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K
- It can be delivered in dimmable or emergency version
- Through-wiring of up to 10 wires at body
- Certification: EPD, ENEC, CB, HACCP

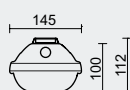
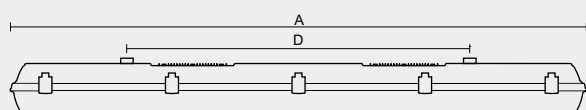


FUTURA VP PC Al, VP PCc Al



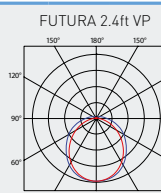
TECHNICAL DESCRIPTION

- 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, UV stable, impact-resistant
- Reflector: steel sheet, white colour (RAL 9003)
- Ventilation plug: type BVPB-01 made of polyamide, size M12 \times 1.5
- 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



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 VP PC Al 3200/840	50	3250	3060	20,1	152	24.2 / 22.1	1,45	612	475
FUTURA 2.2ft VP PC Al 4400/840	45	4680	4400	28,3	155	25.4 / 23.5	1,45	612	475
FUTURA 2.4ft VP PC Al 6400/840	50	6520	6130	38,4	160	24.4 / 22.5	2,45	1172	700
FUTURA 2.4ft VP PC Al 8800/840	45	8980	8440	52,8	160	25.5 / 23.6	2,45	1172	700
FUTURA 2.4ft VP PC Al 12800/840	35	12920	12140	74,8	162	26.7 / 24.9	2,65	1172	700
FUTURA 2.5ft VP PC Al 8000/840	50	8330	7830	48,3	162	24.5 / 22.6	2,95	1452	940
FUTURA 2.5ft VP PC Al 11000/840	45	11260	10580	64,7	164	25.5 / 23.7	2,95	1452	940
FUTURA 2.5ft VP PC Al 16000/840	35	16100	15130	92,7	163	26.7 / 24.9	3,25	1452	940

76020 FUTURA 2.2ft VP PC Al 3200/840 = suitable replacement for T8 fl. tube light fitting PRIMA 218 - 2 \times 18W

76050 FUTURA 2.4ft VP PC Al 6400/840 = suitable replacement for T8 fl. tube light fitting PRIMA 236 - 2 \times 36W

76080 FUTURA 2.5ft VP PC Al 8000/840 = suitable replacement for T8 fl. tube light fitting PRIMA 258 - 2 \times 58W

FUTURA VP PC Al

Non-dimmable driver - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
76020	FUTURA 2.2ft VP PC Al 3200/840	x	x	20470	x
76030	FUTURA 2.2ft VP PC Al 4400/840	x	x	20471	x
76050	FUTURA 2.4ft VP PC Al 6400/840	76150	76350	109387	109393
76060	FUTURA 2.4ft VP PC Al 8800/840	76160	76360	109388	109394
76410	FUTURA 2.4ft VP PC Al 12800/840	76411	76412	x	x
76080	FUTURA 2.5ft VP PC Al 8000/840	76180	76380	109390	109396
76090	FUTURA 2.5ft VP PC Al 11000/840	76190	76390	109391	109397
76420	FUTURA 2.5ft VP PC Al 16000/840	76421	76422	x	x

FUTURA VP PCc Al

Non-dimmable driver - stainless clips [c]

Code	Type	1F	3F	M3hAt	3F M3hAt
76220	FUTURA 2.2ft VP PCc Al 3200/840	x	x	20472	x
76230	FUTURA 2.2ft VP PCc Al 4400/840	x	x	20473	x
76250	FUTURA 2.4ft VP PCc Al 6400/840	76550	76650	109411	109417
76260	FUTURA 2.4ft VP PCc Al 8800/840	76560	76660	109412	109418
76430	FUTURA 2.4ft VP PCc Al 12800/840	76431	76432	x	x
76280	FUTURA 2.5ft VP PCc Al 8000/840	76580	76680	109414	109420
76290	FUTURA 2.5ft VP PCc Al 11000/840	76590	76690	109415	109421
76440	FUTURA 2.5ft VP PCc Al 16000/840	76441	76442	x	x

FUTURA VP PC Al DALI

Code	Type
76023	FUTURA 2.2ft VP PC Al 3200/840 DALI
76033	FUTURA 2.2ft VP PC Al 4400/840 DALI
76053	FUTURA 2.4ft VP PC Al 6400/840 DALI
76063	FUTURA 2.4ft VP PC Al 8800/840 DALI
76450	FUTURA 2.4ft VP PC Al 12800/840 DALI
76083	FUTURA 2.5ft VP PC Al 8000/840 DALI
76093	FUTURA 2.5ft VP PC Al 11000/840 DALI
76460	FUTURA 2.5ft VP PC Al 16000/840 DALI

Digital dimmable driver DALI - plastic clips

1F	3F	M3hAt	3F M3hAt
x	x	20474	x
x	x	20475	x
76153	76353	109399	109405
76163	76363	109400	109406
76451	76452	x	x
76183	76383	109402	109408
76193	76393	109403	109409
76461	76462	x	x

FUTURA VP PCc Al DALI

Code	Type
76223	FUTURA 2.2ft VP PCc Al 3200/840 DALI
76233	FUTURA 2.2ft VP PCc Al 4400/840 DALI
76253	FUTURA 2.4ft VP PCc Al 6400/840 DALI
76263	FUTURA 2.4ft VP PCc Al 8800/840 DALI
76470	FUTURA 2.4ft VP PCc Al 12800/840 DALI
76283	FUTURA 2.5ft VP PCc Al 8000/840 DALI
76293	FUTURA 2.5ft VP PCc Al 11000/840 DALI
76480	FUTURA 2.5ft VP PCc Al 16000/840 DALI

Digital dimmable driver DALI - stainless clips (c)

1F	3F	M3hAt	3F M3hAt
x	x	20476	x
x	x	20477	x
76553	76653	109423	109429
76563	76663	109424	109430
76471	76472	x	x
76583	76683	109426	109432
76593	76693	109427	109433
76481	76482	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 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 VP

