

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.

(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 **ta = 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
- 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: 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: $t_a = 0-25^\circ\text{C}$ (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, UV stable, impact-resistant
- Reflector: steel sheet, white colour (RAL 9003)
- Ventilation plug: type BVPB-01 made of polyamide, size M12 x 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

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									
76010	FUTURA 2.2ft VP PC Al 2600/840	50	2630	2470	16	154	1,5	612	475
76020	FUTURA 2.2ft VP PC Al 3200/840	50	3110	2920	19	154	1,5	612	475
76030	FUTURA 2.2ft VP PC Al 4400/840	45	4390	4130	27	153	1,7	612	475
76040	FUTURA 2.4ft VP PC Al 5200/840	50	5150	4840	31	156	2,9	1172	700
76050	FUTURA 2.4ft VP PC Al 6400/840	50	6260	5880	37	159	2,9	1172	700
76060	FUTURA 2.4ft VP PC Al 8800/840	45	8710	8190	51	161	3,0	1172	700
76410	FUTURA 2.4ft VP PC Al 12800/840	35	14000	13160	84	157	3,0	1172	700
76070	FUTURA 2.5ft VP PC Al 6500/840	50	6380	6000	38	158	3,8	1452	940
76080	FUTURA 2.5ft VP PC Al 8000/840	50	7750	7290	46	158	3,9	1452	940
76090	FUTURA 2.5ft VP PC Al 11000/840	45	12050	11330	71	160	3,9	1452	940
76420	FUTURA 2.5ft VP PC Al 16000/840	35	17550	16500	104	159	3,9	1452	940

76020 FUTURA 2.2ft VP PC Al 3200/840 = suitable replacement for T8 fl. tube light fitting PRIMA 218 - 2 x 18 W
 76050 FUTURA 2.4ft VP PC Al 6400/840 = suitable replacement for T8 fl. tube light fitting PRIMA 236 - 2 x 36 W
 76080 FUTURA 2.5ft VP PC Al 8000/840 = suitable replacement for T8 fl. tube light fitting PRIMA 258 - 2 x 58 W

FUTURA VP PC Al

Non-dimmable driver - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
76010	FUTURA 2.2ft VP PC Al 2600/840	x	x	76014	76015	x	x
76020	FUTURA 2.2ft VP PC Al 3200/840	x	x	76024	76025	x	x
76030	FUTURA 2.2ft VP PC Al 4400/840	x	x	76034	76035	x	x
76040	FUTURA 2.4ft VP PC Al 5200/840	76140	76340	76044	76045	76344	76345
76050	FUTURA 2.4ft VP PC Al 6400/840	76150	76350	76054	76055	76354	76355
76060	FUTURA 2.4ft VP PC Al 8800/840	76160	76360	76064	76065	76364	76365
76410	FUTURA 2.4ft VP PC Al 12800/840	76411	76412	x	x	x	x
76070	FUTURA 2.5ft VP PC Al 6500/840	76170	76370	76074	76075	76374	76375
76080	FUTURA 2.5ft VP PC Al 8000/840	76180	76380	76084	76085	76384	76385
76090	FUTURA 2.5ft VP PC Al 11000/840	76190	76390	76094	76095	76394	76395
76420	FUTURA 2.5ft VP PC Al 16000/840	76421	76422	x	x	x	x

FUTURA VP PCc Al

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
76210	FUTURA 2.2ft VP PCc Al 2600/840	x	x	76214	76215	x	x
76220	FUTURA 2.2ft VP PCc Al 3200/840	x	x	76224	76225	x	x
76230	FUTURA 2.2ft VP PCc Al 4400/840	x	x	76234	76235	x	x
76240	FUTURA 2.4ft VP PCc Al 5200/840	76540	76640	76244	76245	76644	76645
76250	FUTURA 2.4ft VP PCc Al 6400/840	76550	76650	76254	76255	76654	76655
76260	FUTURA 2.4ft VP PCc Al 8800/840	76560	76660	76264	76265	76664	76665
76430	FUTURA 2.4ft VP PCc Al 12800/840	76431	76432	x	x	x	x
76270	FUTURA 2.5ft VP PCc Al 6500/840	76570	76670	76274	76275	76674	76675
76280	FUTURA 2.5ft VP PCc Al 8000/840	76580	76680	76284	76285	76684	76685
76290	FUTURA 2.5ft VP PCc Al 11000/840	76590	76690	76294	76295	76694	76695
76440	FUTURA 2.5ft VP PCc Al 16000/840	76441	76442	x	x	x	x

Example of type marking: 76664 = FUTURA 2.4ft VP PCc Al 8800/840 3F M1h

FUTURA VP PC Al DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
76013	FUTURA 2.2ft VP PC Al 2600/840 DALI	x	x	76017	76019	x	x
76023	FUTURA 2.2ft VP PC Al 3200/840 DALI	x	x	76027	76029	x	x
76033	FUTURA 2.2ft VP PC Al 4400/840 DALI	x	x	76037	76039	x	x
76043	FUTURA 2.4ft VP PC Al 5200/840 DALI	76143	76343	76047	76049	76347	76349
76053	FUTURA 2.4ft VP PC Al 6400/840 DALI	76153	76353	76057	76059	76357	76359
76063	FUTURA 2.4ft VP PC Al 8800/840 DALI	76163	76363	76067	76069	76367	76369
76450	FUTURA 2.4ft VP PC Al 12800/840 DALI	76451	76452	x	x	x	x
76073	FUTURA 2.5ft VP PC Al 6500/840 DALI	76173	76373	76077	76079	76377	76379
76083	FUTURA 2.5ft VP PC Al 8000/840 DALI	76183	76383	76087	76089	76387	76389
76093	FUTURA 2.5ft VP PC Al 11000/840 DALI	76193	76393	76097	76099	76397	76399
76460	FUTURA 2.5ft VP PC Al 16000/840 DALI	76461	76462	x	x	x	x

FUTURA VP PCc Al DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
76213	FUTURA 2.2ft VP PCc Al 2600/840 DALI	x	x	76217	76219	x	x
76223	FUTURA 2.2ft VP PCc Al 3200/840 DALI	x	x	76227	76229	x	x
76233	FUTURA 2.2ft VP PCc Al 4400/840 DALI	x	x	76237	76239	x	x
76243	FUTURA 2.4ft VP PCc Al 5200/840 DALI	76543	76643	76247	76249	76647	76649
76253	FUTURA 2.4ft VP PCc Al 6400/840 DALI	76553	76653	76257	76259	76657	76659
76263	FUTURA 2.4ft VP PCc Al 8800/840 DALI	76563	76663	76267	76269	76667	76669
76470	FUTURA 2.4ft VP PCc Al 12800/840 DALI	76471	76472	x	x	x	x
76273	FUTURA 2.5ft VP PCc Al 6500/840 DALI	76573	76673	76277	76279	76677	76679
76283	FUTURA 2.5ft VP PCc Al 8000/840 DALI	76583	76683	76287	76289	76687	76689
76293	FUTURA 2.5ft VP PCc Al 11000/840 DALI	76593	76693	76297	76299	76697	76699
76480	FUTURA 2.5ft VP PCc Al 16000/840 DALI	76481	76482	x	x	x	x

Example of type marking: 76667 = FUTURA 2.4ft VP PCc Al 8800/840 DALI **3F M1h**

LEGEND

- 1F** 1-phase 3 core through-wiring in the luminaire
3F 3-phase 5 core through-wiring in the luminaire
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
3F Mxh 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 Mxh 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



LIGHT FITTING DETAILED VIEW

FUTURA VP

