PRIMA ES

NEW



... Energy Saver, impact resistant, MultiLumen.

USE

It is designed for indoor spaces, **industrial premises, agricultural buildings, warehouses as well as sports facilities, transport hubs, car parks and garages, workshops and laboratories** with no explosion hazard.

Thanks to the MultiLumen function, the luminaire can be adjusted for changing lighting requirements without much effort.

IP69-rated and HACCP-compliant, the fitting's design also makes it a great choice for the food industry.

Made of clear polycarbonate, the base and the diffuser boast **high impact and deformation resistance**.

Emissions in the environment of use may reduce the usability of the plastics.

ADVANTAGES

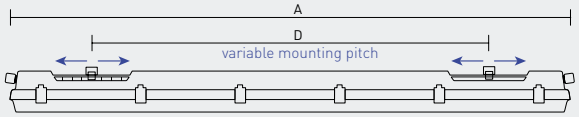
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25 °C to **ta = 50 °C**
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- High **mechanical resistance IK10**
- **Variable suspension pitch,** optional installation of light fitting even on an existing structure on which the original light fittings were suspended
- **MultiLumen (ML)** function enables simple switching between up to four luminous fluxes via driver's DIP switch.
- Optional throughwiring (up to 7 wires inside the light fitting)
- Standard model CRI > 80: 4000 K
- On request CRI > 80: 3000 K, 5000 K, 6500 K
- CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K
- Certificates: **EPD, ENEC, CB, HACCP**

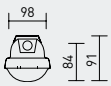
PRIMA ES PC, PCc



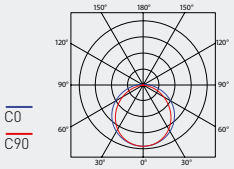
TECHNICAL DESCRIPTION

- Light fitting protection: **IP66 / IP69**
- Maximum ambient temperature: **ta = 50 °C**
- Maximum ambient temperature: ta = 0-40 °C for version with emergency back-up M3hAt
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- Maximum light fitting efficiency: **183 lm/W**
- **CRI** > **80: 4000 K** – standard
- CRI > 80: 3000 K, 5000 K, 6500 K - on request
- CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K - on request
- **MultiLumen (ML):** luminous flux variable in up to 4 steps. In the standard version preset maximum luminous flux.
- MacAdam = 3 SDCM
- Diffuser: **translucent PC** (high mechanical resistance, UV stability)
- Body: grey PC (high mechanical resistance, UV stability)
- Reflector: steel sheet, white colour (RAL 9003)
- **Mounting clips:** stainless steel, stainless steel hooks included
- Clips: polyamide + 15 % glass fibre or stainless steel + polyamide
- Sealing: polyurethane (PUR), foamed body groove
- Cable glands: screwed PG 13.5
- Terminal block: screwless, three-pole (basic version), or screwed
- The values stated for power consumption and luminous flux are in a tolerance of ± 7.5 %





PRIMA 1.5ft ES PC



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]			
Up to ambient temperature ta = 50 °C - body: grey polycarbonate - diffuser: translucent polycarbonate								
PRIMA 1.2ft ES PC 1600/840	50	1740	1620	9,4	172	0,9	615	110 - 370
PRIMA 1.2ft ES PC 2200/840 *	45	2390	2220	13,0	171	0,9	615	110 - 370
PRIMA 1.4ft ES PC 3200/840	50	3300	3070	17,4	176	1,7	1175	700 - 960
PRIMA 1.4ft ES PC 4400/840 *	45	4550	4230	24,1	176	1,7	1175	700 - 960
PRIMA 1.4ft ES PC 6400/840 *	45	6500	6050	34,0	178	1,7	1175	700 - 960
PRIMA 1.5ft ES PC 4000/840	50	4030	3750	20,6	182	2,0	1455	970 - 1230
PRIMA 1.5ft ES PC 5500/840 *	45	5530	5140	28,9	178	2,0	1455	970 - 1230
PRIMA 1.5ft ES PC 8000/840 *	45	8020	7460	41,4	180	2,0	1455	970 - 1230

*) 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]
PRIMA 1.2ft ES PC 2200/840 ML	1930	11,3	171	1620	9,4	172	1290	7,6	170
PRIMA 1.4ft ES PC 4400/840 ML	3650	20,8	175	3070	17,4	176	2470	14,2	174
PRIMA 1.4ft ES PC 6400/840 ML	5220	29,0	180	4390	24,3	181	3540	19,7	180
PRIMA 1.5ft ES PC 5500/840 ML	4450	24,6	181	3750	20,6	182	3020	16,5	183
PRIMA 1.5ft ES PC 8000/840 ML	6450	35,4	182	5420	29,6	183	4380	23,9	183

PRIMA ES PC

Non-dimmable driver - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
111869	PRIMA 1.2ft ES PC 1600/840	111877	111885	x	x
111870	PRIMA 1.2ft ES PC 2200/840 ML	111878	111886	x	x
111871	PRIMA 1.4ft ES PC 3200/840	111879	111887	111893	111899
111872	PRIMA 1.4ft ES PC 4400/840 ML	111880	111888	111894	111900
111873	PRIMA 1.4ft ES PC 6400/840 ML	111881	111889	111895	111901
111874	PRIMA 1.5ft ES PC 4000/840	111882	111890	111896	111902
111875	PRIMA 1.5ft ES PC 5500/840 ML	111883	111891	111897	111903
111876	PRIMA 1.5ft ES PC 8000/840 ML	111884	111892	111898	111904

PRIMA ES PCc

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
111939	PRIMA 1.2ft ES PCc 1600/840	111947	111955	x	x
111940	PRIMA 1.2ft ES PCc 2200/840 ML	111948	111956	x	x
111941	PRIMA 1.4ft ES PCc 3200/840	111949	111957	111963	111969
111942	PRIMA 1.4ft ES PCc 4400/840 ML	111950	111958	111964	111970
111943	PRIMA 1.4ft ES PCc 6400/840 ML	111951	111959	111965	111971
111944	PRIMA 1.5ft ES PCc 4000/840	111952	111960	111966	111972
111945	PRIMA 1.5ft ES PCc 5500/840 ML	111953	111961	111967	111973
111946	PRIMA 1.5ft ES PCc 8000/840 ML	111954	111962	111968	111974

PRIMA ES PC DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
111905	PRIMA 1.2ft ES PC 1600/840 DALI	111913	x	x	x
111906	PRIMA 1.2ft ES PC 2200/840 DALI	111914	x	x	x
111907	PRIMA 1.4ft ES PC 3200/840 DALI	111915	111921	111927	111933
111908	PRIMA 1.4ft ES PC 4400/840 DALI	111916	111922	111928	111934
111909	PRIMA 1.4ft ES PC 6400/840 DALI	111917	111923	111929	111935
111910	PRIMA 1.5ft ES PC 4000/840 DALI	111918	111924	111930	111936
111911	PRIMA 1.5ft ES PC 5500/840 DALI	111919	111925	111931	111937
111912	PRIMA 1.5ft ES PC 8000/840 DALI	111920	111926	111932	111938

PRIMA ES PCc DALI

Digital dimmable driver DALI - stainless clips (c)

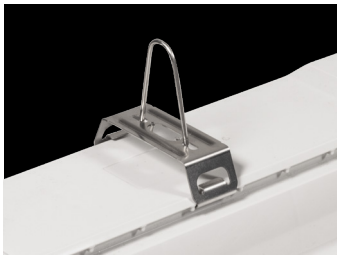
Code	Type	1F	3F	M3hAt	3F M3hAt
111975	PRIMA 1.2ft ES PCc 1600/840 DALI	111983	x	x	x
111976	PRIMA 1.2ft ES PCc 2200/840 DALI	111984	x	x	x
111977	PRIMA 1.4ft ES PCc 3200/840 DALI	111985	111991	111997	112003
111978	PRIMA 1.4ft ES PCc 4400/840 DALI	111986	111992	111998	112004
111979	PRIMA 1.4ft ES PCc 6400/840 DALI	111987	111993	111999	112005
111980	PRIMA 1.5ft ES PCc 4000/840 DALI	111988	111994	112000	112006
111981	PRIMA 1.5ft ES PCc 5500/840 DALI	111989	111995	112001	112007
111982	PRIMA 1.5ft ES PCc 8000/840 DALI	111990	111996	112002	112008

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

PRIMA ES PC

