PRIMA ES ABS

NEW



... Energy Saver, chemically resistant, MultiLumen.

USE

In addition to indoor spaces, it is designed for agricultural buildings and other spaces with chemically aggressive environments due to ammonia fumes, lye fumes, alkali and hot water (hydrolysis).

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

The fitting is primarily intended for large **agricultural premises and industrial halls such as farms, stables, production plants and warehouses, car washes and laboratories** with no explosion hazard.

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

The fitting´s base and diffuser are made of ABS resulting in their **exceptional chemical resistance**.

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

ADVANTAGES

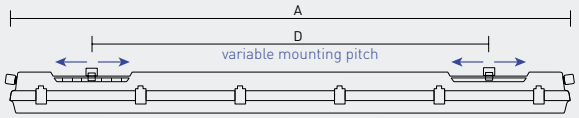
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25 °C to **ta = 50 °C**
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- **Variable suspension pitch,** optional installation of light fitting even on an existing structure on which the 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**

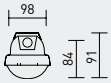
PRIMA ES ABS, ABSc



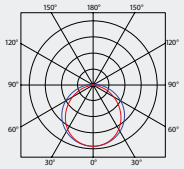
TECHNICAL DESCRIPTION

- 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 AC (high chemical resistance, UV stability)
- Body: dark grey ABS (high chemical 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 ABS



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: dark grey ABS - diffuser: translucent acrylate								
PRIMA 1.2ft ES ABS 1600/840	50	1740	1620	9,4	172	0,9	615	110 - 370
PRIMA 1.2ft ES ABS 2200/840 *	45	2390	2220	13,0	171	0,9	615	110 - 370
PRIMA 1.4ft ES ABS 3200/840	50	3300	3070	17,4	176	1,7	1175	700 - 960
PRIMA 1.4ft ES ABS 4400/840 *	45	4550	4230	24,1	176	1,7	1175	700 - 960
PRIMA 1.4ft ES ABS 6400/840 *	45	6500	6050	34,0	178	1,7	1175	700 - 960
PRIMA 1.5ft ES ABS 4000/840	50	4030	3750	20,6	182	2,0	1455	970 - 1230
PRIMA 1.5ft ES ABS 5500/840 *	45	5530	5140	28,9	178	2,0	1455	970 - 1230
PRIMA 1.5ft ES ABS 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 ABS 2200/840 ML	1930	11,3	171	1620	9,4	172	1290	7,6	170
PRIMA 1.4ft ES ABS 4400/840 ML	3650	20,8	175	3070	17,4	176	2470	14,2	174
PRIMA 1.4ft ES ABS 6400/840 ML	5220	29,0	180	4390	24,3	181	3540	19,7	180
PRIMA 1.5ft ES ABS 5500/840 ML	4450	24,6	181	3750	20,6	182	3020	16,5	183
PRIMA 1.5ft ES ABS 8000/840 ML	6450	35,4	182	5420	29,6	183	4380	23,9	183

PRIMA ES ABS

Non-dimmable driver - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
112009	PRIMA 1.2ft ES ABS 1600/840	112017	112025	x	x
112010	PRIMA 1.2ft ES ABS 2200/840 ML	112018	112026	x	x
112011	PRIMA 1.4ft ES ABS 3200/840	112019	112027	112033	112039
112012	PRIMA 1.4ft ES ABS 4400/840 ML	112020	112028	112034	112040
112013	PRIMA 1.4ft ES ABS 6400/840 ML	112021	112029	112035	112041
112014	PRIMA 1.5ft ES ABS 4000/840	112022	112030	112036	112042
112015	PRIMA 1.5ft ES ABS 5500/840 ML	112023	112031	112037	112043
112016	PRIMA 1.5ft ES ABS 8000/840 ML	112024	112032	112038	112044

PRIMA ES ABSc

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
112079	PRIMA 1.2ft ES ABSc 1600/840	112087	112095	x	x
112080	PRIMA 1.2ft ES ABSc 2200/840 ML	112088	112096	x	x
112081	PRIMA 1.4ft ES ABSc 3200/840	112089	112097	112103	112109
112082	PRIMA 1.4ft ES ABSc 4400/840 ML	112090	112098	112104	112110
112083	PRIMA 1.4ft ES ABSc 6400/840 ML	112091	112099	112105	112111
112084	PRIMA 1.5ft ES ABSc 4000/840	112092	112100	112106	112112
112085	PRIMA 1.5ft ES ABSc 5500/840 ML	112093	112101	112107	112113
112086	PRIMA 1.5ft ES ABSc 8000/840 ML	112094	112102	112108	112114

PRIMA ES ABS DALI

Digital dimmable driver DALI - plastic clips

Code	Type	1F	3F	M3hAt	3F M3hAt
112045	PRIMA 1.2ft ES ABS 1600/840 DALI	112053	x	x	x
112046	PRIMA 1.2ft ES ABS 2200/840 DALI	112054	x	x	x
112047	PRIMA 1.4ft ES ABS 3200/840 DALI	112055	112061	112067	112073
112048	PRIMA 1.4ft ES ABS 4400/840 DALI	112056	112062	112068	112074
112049	PRIMA 1.4ft ES ABS 6400/840 DALI	112057	112063	112069	112075
112050	PRIMA 1.5ft ES ABS 4000/840 DALI	112058	112064	112070	112076
112051	PRIMA 1.5ft ES ABS 5500/840 DALI	112059	112065	112071	112077
112052	PRIMA 1.5ft ES ABS 8000/840 DALI	112060	112066	112072	112078

PRIMA ES ABSc DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
112115	PRIMA 1.2ft ES ABSc 1600/840 DALI	112123	x	x	x
112116	PRIMA 1.2ft ES ABSc 2200/840 DALI	112124	x	x	x
112117	PRIMA 1.4ft ES ABSc 3200/840 DALI	112125	112131	112137	112143
112118	PRIMA 1.4ft ES ABSc 4400/840 DALI	112126	112132	112138	112144
112119	PRIMA 1.4ft ES ABSc 6400/840 DALI	112127	112133	112139	112145
112120	PRIMA 1.5ft ES ABSc 4000/840 DALI	112128	112134	112140	112146
112121	PRIMA 1.5ft ES ABSc 5500/840 DALI	112129	112135	112141	112147
112122	PRIMA 1.5ft ES ABSc 8000/840 DALI	112130	112136	112142	112148

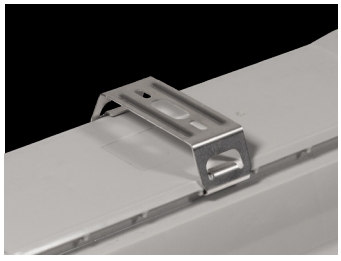
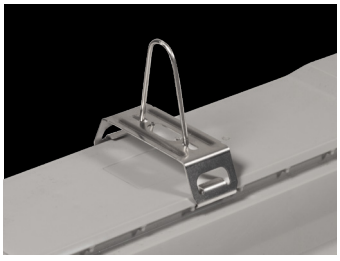
LEGEND

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 ABS

