



For explosion hazard environment group II, category 3 (zone 2, 22).

USE

The light fitting is suitable for the environment with a danger of explosion of gas, dust and combustible fumes. The light fittings meet the requirements of Government Decree 116/2016 Cool. and European Community Directive No.2014/34/EU.

The light fitting is certified for the environment:

Ex II 3G Ex nR IIC T6 Gc

Ex II 3D Ex te IIIC T70°C Dc

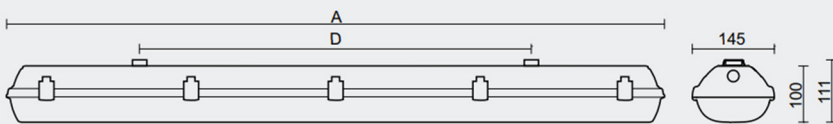
The basic requirements for safety and health protection are secured by the verification of conformity with the standards according to ČSN EN 60079-15, ČSN EN 60079-0 and ČSN EN 60079-31

ADVANTAGES

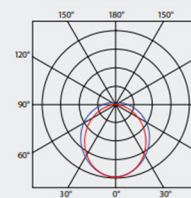
- Light fitting protection IP66
- Maximum ambient temperature up to $t^a=60^{\circ}\text{C}$
- Lifetime: 50,000 hours/ L90B10
- Diffuser: translucent polycarbonate [PC] = high mechanical resistance
- Body: grey polycarbonate [PC] = high mechanical resistance
- Up to 45% lower electricity consumption when compared to fluorescent tubes
- Current driver with the possibility of constant luminous flux for whole lifetime [CLO]
- Constant luminous flux even in ambient temperature of -25°C

TECHNICAL DESCRIPTION

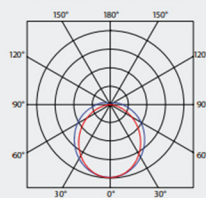
- Light fitting protection: IP66
- Maximum ambient temperature: from -25 to 60 °C
- Maximum ambient temperature: from 0 to 50 °C (version with emergency back-up source for 1 or 3 hours; M1h, M3h)
- Maximum system efficacy: 157 lm/W
- The watt and lumen values can vary by $\pm 7,5 \%$
- Standard model - CRI > 80: 4000 K
- MacAdam = 3 SDCM
- Lifetime: 50,000 hours / L90B10
- Diffuser: translucent polycarbonate (PC), UV stable, impact-resistant
- Body: grey polycarbonate (PC), UV stable, impact-resistant
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: stainless steel + polyamide + 15 % glass fibre
- Ventilation plug steel, size M12×1,5 ATEX (for version with emergency back-up source M1h, M3h)
- Cable glands: screwed M20×1,5 ATEX
- Distance part: polyamide + 10 % glass fibre, serves to suspend the reflector during assembly
- Terminal block: screwless, five-pole (version 1.4ft and 1.5ft), three-pole incl. earthing tape & screw for a perfect connection (basic version)
- Installation: package contains stainless hooks and stainless brackets
- Electric equipment: LED modules, current driver, halogen-free wires with higher temperature resistance



PRIMA LED Ex 1.4ft



PRIMA LED Ex 2.5ft



C0
C90

Code	Type	Minimal and maximal 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 $t_a = 60^\circ\text{C}$ - body: grey polycarbonate - diffuser: translucent polycarbonate									
10628	PRIMA LED Ex 1.2ft PCc 1600/840	-25 60	1840	1690	11	154	2,0	662	350
10629	PRIMA LED Ex 1.2ft PCc 2200/840	-25 55	2560	2350	16	147	2,0	662	350
14810	PRIMA LED Ex 1.4ft PCc 3200/840	-25 60	3620	3330	23	145	3,2	1272	700
14820	PRIMA LED Ex 1.4ft PCc 4400/840	-25 55	5070	4660	31	150	3,3	1272	700
63850	PRIMA LED Ex 1.4ft PCc 6400/840	-25 55	7300	6710	44	153	3,3	1272	700
14830	PRIMA LED Ex 1.5ft PCc 4000/840	-25 60	4520	4150	27	154	4,1	1572	940
14840	PRIMA LED Ex 1.5ft PCc 5500/840	-25 55	6320	5810	38	153	4,2	1572	940
63860	PRIMA LED Ex 1.5ft PCc 8000/840	-25 55	9030	8300	53	157	4,2	1572	940
10633	PRIMA LED Ex 2.2ft PCc 3200/840	-25 60	3620	3330	22	151	2,1	662	350
10637	PRIMA LED Ex 2.2ft PCc 4400/840	-25 55	5120	4710	31	152	2,1	662	350
14850	PRIMA LED Ex 2.4ft PCc 6400/840	-25 60	7300	6710	43	156	3,4	1272	700
14860	PRIMA LED Ex 2.4ft PCc 8800/840	-25 55	10160	9340	60	156	3,5	1272	700
63865	PRIMA LED Ex 2.4ft PCc 12800/840	-25 40	14490	13330	85	157	3,7	1272	700
14870	PRIMA LED Ex 2.5ft PCc 8000/840	-25 60	9040	8310	54	154	4,3	1572	940
14880	PRIMA LED Ex 2.5ft PCc 11000/840	-25 55	12050	11080	71	156	4,4	1572	940
63851	PRIMA LED Ex 2.5ft PCc 16000/840	-25 40	17960	16520	106	156	4,6	1572	940
63880	PRIMA LED Ex 2.5ft PCc 20000/840	-25 40	19200	17660	118	150	4,6	1572	940

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]
Version with emergency back-up source M1h, M3h								
PRIMA LED Ex 1.2ft PCc 1600/840 Mxh	0 45	1840	1690	11	154	2,5	662	350
PRIMA LED Ex 1.2ft PCc 2200/840 Mxh	0 45	2560	2350	16	147	2,5	662	350
PRIMA LED Ex 1.4ft PCc 3200/840 Mxh	0 50	3620	3330	23	145	3,7	1272	700
PRIMA LED Ex 1.4ft PCc 4400/840 Mxh	0 50	5070	4660	31	150	3,7	1272	700
PRIMA LED Ex 1.5ft PCc 4000/840 Mxh	0 50	4520	4150	27	154	4,6	1572	940
PRIMA LED Ex 1.5ft PCc 5500/840 Mxh	0 50	6320	5810	38	153	4,7	1572	940
PRIMA LED Ex 2.2ft PCc 3200/840 Mxh	0 40	3620	3330	22	151	2,6	662	350
PRIMA LED Ex 2.2ft PCc 4400/840 Mxh	0 35	5120	4710	31	152	2,6	662	350
PRIMA LED Ex 2.4ft PCc 6400/840 Mxh	0 45	7300	6710	43	156	3,9	1272	700
PRIMA LED Ex 2.4ft PCc 8800/840 Mxh	0 40	10160	9340	60	156	3,9	1272	700
PRIMA LED Ex 2.5ft PCc 8000/840 Mxh	0 45	9040	8310	54	154	4,8	1572	940
PRIMA LED Ex 2.5ft PCc 11000/840 Mxh	0 40	12050	11080	71	156	4,8	1572	940

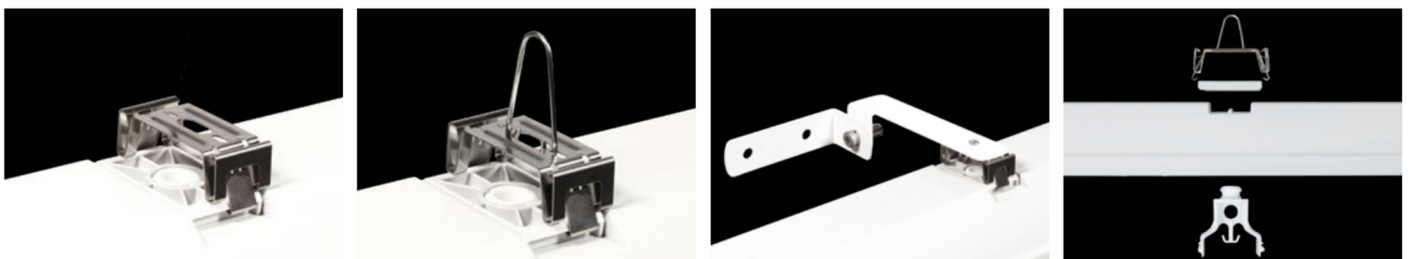
PRIMA LED Ex PCc DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
10658	PRIMA LED Ex 1.2ft PCc 1600/840 DALI	10672	x	63897	63872	x	x
10659	PRIMA LED Ex 1.2ft PCc 2200/840 DALI	10678	x	63901	63877	x	x
14910	PRIMA LED Ex 1.4ft PCc 3200/840 DALI	14911	14913	14914	14915	14917	14918
14920	PRIMA LED Ex 1.4ft PCc 4400/840 DALI	14921	14923	14924	14925	14927	14928
63891	PRIMA LED Ex 1.4ft PCc 6400/840 DALI	63870	63900	x	x	x	x
14930	PRIMA LED Ex 1.5ft PCc 4000/840 DALI	14931	14933	14934	14935	14937	14938
14940	PRIMA LED Ex 1.5ft PCc 5500/840 DALI	14941	14943	14944	14945	14947	14948
63895	PRIMA LED Ex 1.5ft PCc 8000/840 DALI	63875	63871	x	x	x	x
10668	PRIMA LED Ex 2.2ft PCc 3200/840 DALI	10682	x	x	x	x	x
10669	PRIMA LED Ex 2.2ft PCc 4400/840 DALI	10684	x	x	x	x	x
14950	PRIMA LED Ex 2.4ft PCc 6400/840 DALI	14951	14953	14954	14955	14957	14958
14960	PRIMA LED Ex 2.4ft PCc 8800/840 DALI	14961	14963	14964	14965	14967	14968
63864	PRIMA LED Ex 2.4ft PCc 12800/840 DALI	63856	63876	x	x	x	x
14970	PRIMA LED Ex 2.5ft PCc 8000/840 DALI	14971	14973	14974	14975	14977	14978
14980	PRIMA LED Ex 2.5ft PCc 11000/840 DALI	14981	14983	14984	14985	14987	14988
63869	PRIMA LED Ex 2.5ft PCc 16000/840 DALI	63884	63857	x	x	x	x
63855	PRIMA LED Ex 2.5ft PCc 20000/840 DALI	63896	63885	x	x	x	x

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.



LIGHT FITTING DETAILED VIEW

PRIMA LED Ex

