

# PRIMA LED Ex 2/21

SUMMER 2025



... for explosion hazard environment group II, category 3, 2 (zone 2, 21).

## 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 Coll. and European Community Directive No.2014/34/EU.

The light fitting is certified for the environment:

- Ⓜ II 3G Ex nR IIC T6 Gc
- Ⓜ II 2D Ex tb IIIC T70°C Db

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.

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<sub>a</sub> = 60°C**
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- 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
- Standard model - CRI > 80: 4000 K
- At request CRI > 80: 3000 K, 5000 K, 6500 K
- Clips: stainless steel + polyamide + 15 % glass fibre
- Through-wiring of up to 10 wires at body
- Certification: CB, ATEX

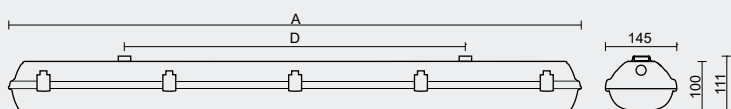


## PRIMA LED Ex 2/21 PCc

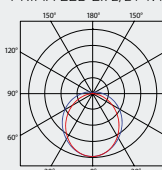


## TECHNICAL DESCRIPTION

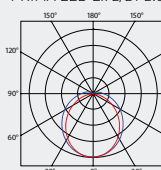
- Light fitting protection: IP66
- Maximum ambient temperature: from -25 to 60 °C
- Maximum ambient temperature: from 0 to 45 °C (version with emergency back-up source for 3 hours; M3hAt)
- Maximum system efficacy: 151 lm/W
- The watt and lumen values can vary by  $\pm 7,5\%$
- Standard model - CRI > 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 (PC), UV stable, impact-resistant
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: stainless steel + polyamide + 15 % glass fibre
- Cable glands: screwed M20 x 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 2/21 1.4ft



PRIMA LED Ex 2/21 2.5ft



Type	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]
	ON/OFF	M3hAt								
For ambient temperature t <sub>a</sub> = 60°C - body: grey polycarbonate - diffuser: translucent polycarbonate										
PRIMA LED Ex 2/21 1.2ft PCc 1600/840	-25 / 60	0 / 45	1630	1420	10,5	135	21.5 / 19.2	2,0	662	350
PRIMA LED Ex 2/21 1.2ft PCc 2200/840	-25 / 55	0 / 45	2360	2050	14,6	140	22.8 / 20.5	2,0	662	350
PRIMA LED Ex 2/21 1.4ft PCc 3200/840	-25 / 60	0 / 45	3260	2840	20,1	141	21.7 / 19.6	3,2	1272	700
PRIMA LED Ex 2/21 1.4ft PCc 4400/840	-25 / 55	0 / 45	4520	3930	27,3	144	22.8 / 20.7	3,3	1272	700
PRIMA LED Ex 2/21 1.4ft PCc 6400/840	-25 / 55	x	6500	5660	38,5	147	24.1 / 22.0	3,3	1272	700
PRIMA LED Ex 2/21 1.5ft PCc 4000/840	-25 / 60	0 / 45	4180	3640	25,3	144	21.8 / 19.7	4,1	1572	940
PRIMA LED Ex 2/21 1.5ft PCc 5500/840	-25 / 55	0 / 45	5590	4860	33,3	146	22.8 / 20.8	4,2	1572	940
PRIMA LED Ex 2/21 1.5ft PCc 8000/840	-25 / 55	x	8020	6980	47,4	147	24.1 / 22.0	4,2	1572	940
PRIMA LED Ex 2/21 2.2ft PCc 3200/840	-25 / 60	0 / 40	3250	2830	20,1	141	23.9 / 21.6	2,1	662	350
PRIMA LED Ex 2/21 2.2ft PCc 4400/840	-25 / 55	0 / 35	4680	4070	28,3	144	25.2 / 22.9	2,1	662	350
PRIMA LED Ex 2/21 2.4ft PCc 6400/840	-25 / 60	0 / 45	6520	5670	38,4	148	24.1 / 21.8	3,4	1272	700
PRIMA LED Ex 2/21 2.4ft PCc 8800/840	-25 / 55	0 / 40	8980	7810	52,8	148	25.2 / 22.9	3,5	1272	700
PRIMA LED Ex 2/21 2.4ft PCc 12800/840	-25 / 40	x	12920	11240	74,8	150	26.4 / 24.1	3,7	1272	700
PRIMA LED Ex 2/21 2.5ft PCc 8000/840	-25 / 60	0 / 45	8330	7250	48,3	150	24.2 / 21.9	4,3	1572	940
PRIMA LED Ex 2/21 2.5ft PCc 11000/840	-25 / 55	0 / 40	11260	9800	64,7	151	25.2 / 23.0	4,4	1572	940
PRIMA LED Ex 2/21 2.5ft PCc 16000/840	-25 / 40	x	16100	14010	92,7	151	26.5 / 24.2	4,6	1572	940
PRIMA LED Ex 2/21 2.5ft PCc 20000/840	-25 / 40	x	19320	16810	111,2	151	27.1 / 24.9	4,6	1572	940

Energy consumption of M3hAt increased by 3 W until battery fully charged (max. 24 hours).

## PRIMA LED Ex 2/21 PCc

Non-dimmable driver - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
110375	PRIMA LED Ex 2/21 1.2ft PCc 1600/840	110392	110409	110426	110438
110376	PRIMA LED Ex 2/21 1.2ft PCc 2200/840	110393	110410	110427	110439
110377	PRIMA LED Ex 2/21 1.4ft PCc 3200/840	110394	110411	110428	110440
110378	PRIMA LED Ex 2/21 1.4ft PCc 4400/840	110395	110412	110429	110441
110379	PRIMA LED Ex 2/21 1.4ft PCc 6400/840	110396	110413	x	x
110380	PRIMA LED Ex 2/21 1.5ft PCc 4000/840	110397	110414	110430	110442
110381	PRIMA LED Ex 2/21 1.5ft PCc 5500/840	110398	110415	110431	110443
110382	PRIMA LED Ex 2/21 1.5ft PCc 8000/840	110399	110416	x	x
110383	PRIMA LED Ex 2/21 2.2ft PCc 3200/840	110400	110417	110432	110444
110384	PRIMA LED Ex 2/21 2.2ft PCc 4400/840	110401	110418	110433	110445
110385	PRIMA LED Ex 2/21 2.4ft PCc 6400/840	110402	110419	110434	110446
110386	PRIMA LED Ex 2/21 2.4ft PCc 8800/840	110403	110420	110435	110447
110387	PRIMA LED Ex 2/21 2.4ft PCc 12800/840	110404	110421	x	x
110388	PRIMA LED Ex 2/21 2.5ft PCc 8000/840	110405	110422	110436	110448
110389	PRIMA LED Ex 2/21 2.5ft PCc 11000/840	110406	110423	110437	110449
110390	PRIMA LED Ex 2/21 2.5ft PCc 16000/840	110407	110424	x	x
110391	PRIMA LED Ex 2/21 2.5ft PCc 20000/840	110408	110425	x	x

## PRIMA LED Ex 2/21 PCc DALI

Digital dimmable driver DALI - stainless clips (c)

Code	Type	1F	3F	M3hAt	3F M3hAt
110450	PRIMA LED Ex 2/21 1.4ft PCc 3200/840 DALI	110465	110480	110497	110505
110451	PRIMA LED Ex 2/21 1.4ft PCc 4400/840 DALI	110466	110481	110498	110506
110452	PRIMA LED Ex 2/21 1.4ft PCc 6400/840 DALI	110467	110482	x	x
110453	PRIMA LED Ex 2/21 1.5ft PCc 4000/840 DALI	110468	110483	110499	110507
110454	PRIMA LED Ex 2/21 1.5ft PCc 5500/840 DALI	110469	110484	110500	110508
110455	PRIMA LED Ex 2/21 1.5ft PCc 8000/840 DALI	110470	110485	x	x
110456	PRIMA LED Ex 2/21 2.2ft PCc 3200/840 DALI	110471	110486	110495	110509
110457	PRIMA LED Ex 2/21 2.2ft PCc 4400/840 DALI	110472	110487	110496	110510
110458	PRIMA LED Ex 2/21 2.4ft PCc 6400/840 DALI	110473	110488	110501	110511
110459	PRIMA LED Ex 2/21 2.4ft PCc 8800/840 DALI	110474	110489	110502	110512
110460	PRIMA LED Ex 2/21 2.4ft PCc 12800/840 DALI	110475	110490	x	x
110461	PRIMA LED Ex 2/21 2.5ft PCc 8000/840 DALI	110476	110491	110503	110513
110462	PRIMA LED Ex 2/21 2.5ft PCc 11000/840 DALI	110477	110492	110504	110514
110463	PRIMA LED Ex 2/21 2.5ft PCc 16000/840 DALI	110478	110493	x	x
110464	PRIMA LED Ex 2/21 2.5ft PCc 20000/840 DALI	110479	110494	x	x

## LEGEND

- |                 |   |                      |   |
|-----------------|---|----------------------|---|
| <b>1F</b>       | - 1-phase 3 core through-wiring in the luminaire  | <b>DALI</b>          | - version with digital dimmable driver DALI   |
| <b>3F</b>       | - 3-phase 5 core through-wiring in the luminaire  | <b>DALI 1F</b>       | - 1-phase 5 core through-wiring in the luminaire  |
| <b>M3hAt</b>    | - emergency back-up source with 3 hour operating time for maintained emergency illumination with battery autotest | <b>DALI 3F</b>       | - 3-phase 7 core through-wiring in the luminaire  |
| <b>3F M3hAt</b> | - 3-phase 5 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)             | <b>DALI 3F M3hAt</b> | - 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 LED Ex 2/21

