



**Hazardous**  
Lighting Solutions LTD



# PRIMA LED EX

For environments with a danger of explosion of gas, dust and combustible fumes



PASSAGEWAYS



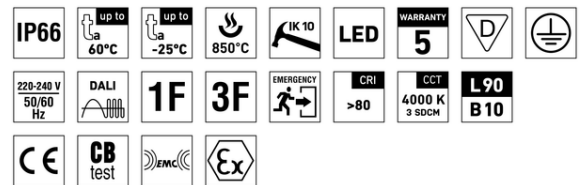
CHEMICAL WAREHOUSES



CHEMICAL



REFINERIES



II 3G Ex nR IIC T6 Gc  
II 3D Ex tc IIIC T70°C Dc

## MECHANICAL FEATURES

**Housing:** Grey polycarbonate

**Diffuser:** Translucent polycarbonate [PC], UV stable, impact-resistant

**Light fitting protection:** IP66

**Reflector:** Steel sheet

**Clips:** stainless steel + polyamide + 15 % glass fibre

## ELECTRICAL FEATURES

**Electric equipment:** LED modules, current driver, halogen-free wires with higher temperature resistance

**Cable glands:** screwed M20×1,5 ATEX

**Wiring:** Through wiring of up to 10 wires at body

**Terminal Block:** screwless, five-pole (version 1.4ft and 1.5ft), three-pole incl. earthing tape & screw for a perfect connection (basic version)

## WORK PARAMETERS

**Ambient Temperatures:** -25°C to + 60°C

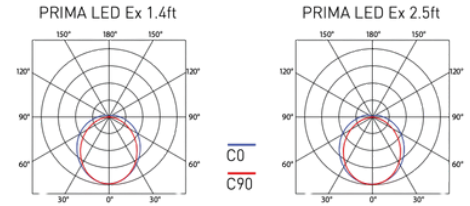
**Lifetime:** 50.000h L80 B10

## PHOTOMETRICAL PARAMETERS

**CRI:** >80

**Colour temperature:** 4000K

## TYPE COMPARISONS



Type	Ambient temperature [°C] ON/OFF	Ambient temperature [°C] M3hAt	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]
PRIMA LED Ex 1.2ft PCc 1600/840	-25 / 60	5 / 45	1630	1420	10.5	135	21.5 / 19.2	2.0	662	350
PRIMA LED Ex 1.2ft PCc 2200/840	-25 / 55	5 / 45	2360	2050	14.6	140	22.8 / 20.5	2.0	662	350
PRIMA LED Ex 1.4ft PCc 3200/840	-25 / 60	5 / 45	3260	2840	20.1	141	21.7 / 19.6	3.2	1272	700
PRIMA LED Ex 1.4ft PCc 4400/840	-25 / 55	5 / 45	4520	3930	27.3	144	22.8 / 20.7	3.3	1272	700
PRIMA LED Ex 1.4ft PCc 6400/840	-25 / 55	x	6500	5660	38.5	147	24.1 / 22.0	3.3	1272	700
PRIMA LED Ex 1.5ft PCc 4000/840	-25 / 60	5 / 45	4180	3640	25.3	144	21.8 / 19.7	4.1	1572	940
PRIMA LED Ex 1.5ft PCc 5500/840	-25 / 55	5 / 45	5590	4860	33.3	146	22.8 / 20.8	4.2	1572	940
PRIMA LED Ex 1.5ft PCc 8000/840	-25 / 55	x	8020	6980	47.4	147	24.1 / 22.0	4.2	1572	940
PRIMA LED Ex 2.2ft PCc 3200/840	-25 / 60	5 / 40	3250	2830	20.1	141	23.9 / 21.6	2.1	662	350
PRIMA LED Ex 2.2ft PCc 4400/840	-25 / 55	5 / 35	4680	4070	28.3	144	25.2 / 22.9	2.1	662	350
PRIMA LED Ex 2.4ft PCc 6400/840	-25 / 60	5 / 45	6520	5670	38.4	148	24.1 / 21.8	3.4	1272	700
PRIMA LED Ex 2.4ft PCc 8800/840	-25 / 55	5 / 40	8980	7810	52.8	148	25.2 / 22.9	3.5	1272	700
PRIMA LED Ex 2.4ft PCc 12800/840	-25 / 40	x	12920	11240	74.8	150	26.4 / 24.1	3.7	1272	700
PRIMA LED Ex 2.5ft PCc 8000/840	-25 / 60	5 / 45	8330	7250	48.3	150	24.2 / 21.9	4.3	1572	940
PRIMA LED Ex 2.5ft PCc 11000/840	-25 / 55	5 / 40	11260	9800	64.7	151	25.2 / 23.0	4.4	1572	940
PRIMA LED Ex 2.5ft PCc 16000/840	-25 / 40	x	16100	14010	92.7	151	26.5 / 24.2	4.6	1572	940
PRIMA LED Ex 2.5ft PCc 20000/840	-25 / 40	x	19320	16810	111.2	151	27.1 / 24.9	4.6	1572	940

## PRIMA LED Ex PCc

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

## 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)

## PRIMA LED Ex 2/21 PCc DALI

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

## 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

