PRIMA E-CON



... with external terminal block IP66 / IP69, 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.

An external terminal block makes it easy and quick to connect the supply cable with no need to open the fitting.

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; for more information see page 421.

ADVANTAGES

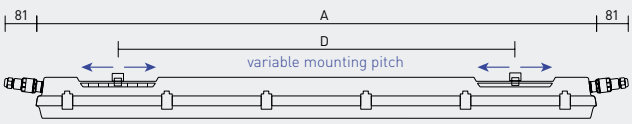
- Light fitting protection **IP66 / IP69**
- High temperature resistance in a range from ta = -25°C to **ta = 50°C**
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- High **mechanical resistance IK10**
- **Variable suspension pitch,** optional installation of light fitting even 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.
- 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
- Optional delivery in emergency version
- Eliminated risk of mechanical and electrostatic damage to LED chips
- Optional throughwiring (up to 5 wires inside the light fitting)

PRIMA E-CON PC, PCc

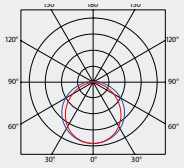


TECHNICAL DESCRIPTION

- 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: **163 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
- **External terminal block** 3 or 5-pole, conductor cross-sectional area: 1.5 or 2.5 mm2
- The values stated for power consumption and luminous flux are in a tolerance of ± 7.5 %



PRIMA E-CON 1.5ft 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 E-CON PC 1600/840	50	1630	1520	10,5	145	0,9	615	110 - 370
PRIMA 1.2ft E-CON PC 2200/840 *	45	2360	2190	14,6	150	0,9	615	110 - 370
PRIMA 1.4ft E-CON PC 3200/840	50	3260	3030	20,1	151	1,7	1175	700 - 960
PRIMA 1.4ft E-CON PC 4400/840 *	45	4520	4200	27,3	154	1,7	1175	700 - 960
PRIMA 1.4ft E-CON PC 6400/840 *	45	6500	6050	38,5	157	1,7	1175	700 - 960
PRIMA 1.4ft E-CON PC 8000/840	35	8160	7590	49,0	155	1,7	1175	700 - 960
PRIMA 1.5ft E-CON PC 4000/840	50	4180	3890	25,3	154	2,0	1455	970 - 1230
PRIMA 1.5ft E-CON PC 5500/840 *	45	5590	5200	33,3	156	2,0	1455	970 - 1230
PRIMA 1.5ft E-CON PC 8000/840 *	45	8020	7460	47,4	157	2,0	1455	970 - 1230
PRIMA 1.5ft E-CON PC 10000/840	35	10350	9630	62,9	153	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 E-CON PC 2200/840 ML	1900	13,0	146	1600	11,0	145	1290	9,1	142
PRIMA 1.4ft E-CON PC 4400/840 ML	3650	23,3	157	3080	19,5	158	2490	15,8	158
PRIMA 1.4ft E-CON PC 6400/840 ML	5250	32,8	160	4440	27,4	162	3600	22,1	163
PRIMA 1.5ft E-CON PC 5500/840 ML	4500	28,4	158	3790	23,6	161	3070	19,1	161
PRIMA 1.5ft E-CON PC 8000/840 ML	6480	40,4	160	5480	33,6	163	4440	27,2	163

PRIMA E-CON PC

Non-dimmable driver, plastic clips

Type	1x3P	1x5P	M3hAt 1x5P	2x3P	2x5P	M3hAt 2x5P
PRIMA 1.2ft E-CON PC 1600/840	107608	107618	x	107634	107644	x
PRIMA 1.2ft E-CON PC 2200/840 ML	107609	107619	x	107635	107645	x
PRIMA 1.4ft E-CON PC 3200/840	107610	107620	107628	107636	107646	107654
PRIMA 1.4ft E-CON PC 4400/840 ML	107611	107621	107629	107637	107647	107655
PRIMA 1.4ft E-CON PC 6400/840 ML	107612	107622	107630	107638	107648	107656
PRIMA 1.4ft E-CON PC 8000/840	107613	107623	x	107639	107649	x
PRIMA 1.5ft E-CON PC 4000/840	107614	107624	107631	107640	107650	107657
PRIMA 1.5ft E-CON PC 5500/840 ML	107615	107625	107632	107641	107651	107658
PRIMA 1.5ft E-CON PC 8000/840 ML	107616	107626	107633	107642	107652	107659
PRIMA 1.5ft E-CON PC 10000/840	107617	107627	x	107643	107653	x

PRIMA E-CON PCc

Non-dimmable driver, stainless clips (c)

Type	1x3P	1x5P	M3hAt 1x5P	2x3P	2x5P	M3hAt 2x5P
PRIMA 1.2ft E-CON PCc 1600/840	107692	107702	x	107718	107728	x
PRIMA 1.2ft E-CON PCc 2200/840 ML	107693	107703	x	107719	107729	x
PRIMA 1.4ft E-CON PCc 3200/840	107694	107704	107712	107720	107730	107738
PRIMA 1.4ft E-CON PCc 4400/840 ML	107695	107705	107713	107721	107731	107739
PRIMA 1.4ft E-CON PCc 6400/840 ML	107696	107706	107714	107722	107732	107740
PRIMA 1.4ft E-CON PCc 8000/840	107697	107707	x	107723	107733	x
PRIMA 1.5ft E-CON PCc 4000/840	107698	107708	107715	107724	107734	107741
PRIMA 1.5ft E-CON PCc 5500/840 ML	107699	107709	107716	107725	107735	107742
PRIMA 1.5ft E-CON PCc 8000/840 ML	107700	107710	107717	107726	107736	107743
PRIMA 1.5ft E-CON PCc 10000/840	107701	107711	x	107727	107737	x

PRIMA E-CON PC DALI

Digital dimmable driver DALI, plastic clips

Type	DALI 1x5P	DALI M3hAt 1x5P	DALI 2x5P	DALI M3hAt 2x5P
PRIMA 1.2ft E-CON PC 1600/840	107660	x	107676	x
PRIMA 1.2ft E-CON PC 2200/840	107661	x	107677	x
PRIMA 1.4ft E-CON PC 3200/840	107662	107670	107678	107686
PRIMA 1.4ft E-CON PC 4400/840	107663	107671	107679	107687
PRIMA 1.4ft E-CON PC 6400/840	107664	107672	107680	107688
PRIMA 1.4ft E-CON PC 8000/840	107665	x	107681	x
PRIMA 1.5ft E-CON PC 4000/840	107666	107673	107682	107689
PRIMA 1.5ft E-CON PC 5500/840	107667	107674	107683	107690
PRIMA 1.5ft E-CON PC 8000/840	107668	107675	107684	107691
PRIMA 1.5ft E-CON PC 10000/840	107669	x	107685	x

PRIMA E-CON PCc DALI

Digital dimmable driver DALI, stainless clips (c)

Type	DALI 1x5P	DALI M3hAt 1x5P	DALI 2x5P	DALI M3hAt 2x5P
PRIMA 1.2ft E-CON PCc 1600/840	107744	x	107760	x
PRIMA 1.2ft E-CON PCc 2200/840	107745	x	107761	x
PRIMA 1.4ft E-CON PCc 3200/840	107746	107754	107762	107770
PRIMA 1.4ft E-CON PCc 4400/840	107747	107755	107763	107771
PRIMA 1.4ft E-CON PCc 6400/840	107748	107756	107764	107772
PRIMA 1.4ft E-CON PCc 8000/840	107749	x	107765	x
PRIMA 1.5ft E-CON PCc 4000/840	107750	107757	107766	107773
PRIMA 1.5ft E-CON PCc 5500/840	107751	107758	107767	107774
PRIMA 1.5ft E-CON PCc 8000/840	107752	107759	107768	107775
PRIMA 1.5ft E-CON PCc 10000/840	107753	x	107769	x

LEGEND

1x3P - a version featuring a non-dimmable driver and a single 3-pole external terminal block

1x5P - a version featuring a non-dimmable driver and a single 5-pole external terminal block

M3hAt 1x5P - emergency back-up source with operating time of 3 hours (SA) for permanent illumination with battery autotesting and a single 5-pole external terminal block

2x3P - a version featuring a non-dimmable driver, two 3-pole external terminal blocks and 3-wire connecting cables (1F), for continuous row installation

2x5P - a version featuring a non-dimmable driver, two 5-pole external terminal blocks and 5-wire connecting cables (3F), for continuous row installation

M3hAt 2x5P - emergency back-up source with operating time of 3 hours (SA) for permanent illumination with battery autotesting, two 5-pole external terminal blocks and 5-wire connecting cables (3F), for continuous row installation

DALI 1x5P - a version featuring a digitally dimmable driver and a single 5-pole external terminal block

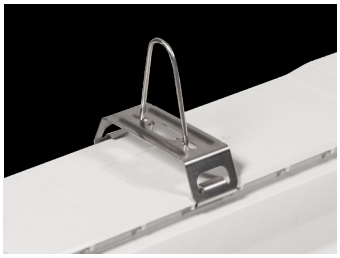
DALI M3hAt 1x5P - a version featuring a digitally dimmable driver, emergency back-up source with operating time of 3 hours (SA) for permanent illumination with battery autotesting and a single 5-pole external terminal block

DALI 2x5P - a version featuring a digitally dimmable driver, two 5-pole external terminal blocks and 5-wire connecting cables (DALI 1F), for continuous row installation

DALI M3hAt 2x5P - a version featuring a digitally dimmable driver, emergency back-up source with operating time of 3 hours (SA) for permanent illumination with battery autotesting, two 5-pole external terminal blocks and 5-wire connecting cables (DALI 1F), for continuous row installation

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 E-CON PC

