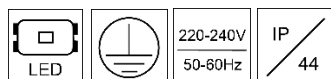


CALIMA R LED

Recessed Luminaires



Images for the product family and options:



Description:

Recessed mounted LED luminaire basic version
Light distribution type: direct
Optical system: matt micro-prismatic PMMA diffuser, low glare/ translucent micro-prismatic PMMA diffuser
Housing: steel
Colour: white (RAL9003)

General data:

Mains voltage: 220-240V, 50/60Hz
LED lifetime, h: 50000/L80B10
SDCM: 3
Protection class IEC: I
Ingress protection code: IP44/20
Mechanical impact resistance: IK05
Operating temperature range, °C: ta 0...+35

Installation:

In modular suspended ceilings, in ceilings with cut-out openings (mounting frame to be ordered separately). Push-in terminal, 3x2x2.5mm²

Environment:

Indoor

Application:

Office, education, corridor, retail, public place



Sensors ensure lighting is only on when and where it is needed. The sensors can bring huge benefits in terms of energy management as they enable sunlight harvesting, automatic dimming, and sensing the presence of people. The lighting is only on when actually required so cost savings are considerable.

Energy saving - typically between 30% and 50%.

Application: are ideal for all office areas including work spaces, conference rooms, corridors, break-out rooms, administrative areas, stairwells and similar applications in schools and hospitals.

For more information see the option list and energy saving solutions.

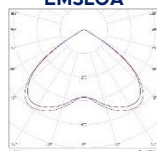
Series of EM3LOA and EM3LER emergency kits is the newest line of options that combines highly efficient LED light sources and the latest optics, designed to illuminate open areas or escape routes. A high specification LED emergency version provides high performance emergency lighting in commercial buildings where aesthetics is of prime importance, such as offices, retail or hospitality and leisure facilities. Whereas typical escape route emergency luminaires need to be spaced at every 3 to 7 metres to achieve the required illumination level, EM3LOA and EM3LER optimised optics can provide:

up to 17m along the escape routes

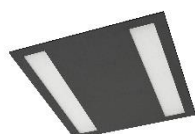
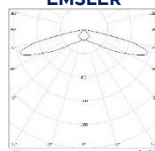
up to 9m in the open areas

metre spacing, depending on ceiling height, that effects significantly on reduction of the number of needed emergency luminaires and, consequently, the costs of installation and subsequent maintenance.

EM3LOA



EM3LER



High flexibility to meet specific project requirements, as luminaires can be painted to all RAL code colours on request. For more information see the option list

Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy*, lm/W	CRI * (Ra)	CCT*, K	Weight, kg
Calima R LED2x1800 H131 T830 DPRZ LT80	595	595	47	3376	26,1	129	80+	3000	3,5
Calima R LED2x2150 H132 T830 DPRZ LT80	595	595	47	4092	29,3	139	80+	3000	3,5
Calima R LED2x2550 H133 T830 DPRZ LT80	595	595	47	4824	35,5	136	80+	3000	3,5
Calima R LED1x3550 H134 T830 DPRZ LT80	1195	295	47	3376	26,1	129	80+	3000	3,5
Calima R LED1x4300 H135 T830 DPRZ LT80	1195	295	47	4092	29,3	139	80+	3000	3,5
Calima R LED1x5100 H136 T830 DPRZ LT80	1195	295	47	4824	35,5	136	80+	3000	3,5
Calima R LED2x1800 H131 T840 DPRZ LT80 1G	595	595	47	3534	26,1	136	80+	4000	3,5
Calima R LED2x2150 H132 T840 DPRZ LT80	595	595	47	4285	29,3	146	80+	4000	3,5
Calima R LED2x2550 H133 T840 DPRZ LT80	595	595	47	5051	35,5	142	80+	4000	3,5
Calima R LED1x3550 H134 T840 DPRZ LT80 1G	1195	295	47	3534	26,1	136	80+	4000	3,5
Calima R LED1x4300 H135 T840 DPRZ LT80	1195	295	47	4285	29,3	146	80+	4000	3,5
Calima R LED1x5100 H136 T840 DPRZ LT80	1195	295	47	5051	35,5	142	80+	4000	3,5
Calima R LED2x1900 H131 T830 MPRZ LT92	595	595	47	3614	26,1	139	80+	3000	3,5
Calima R LED2x2300 H132 T830 MPRZ LT92	595	595	47	4381	29,3	149	80+	3000	3,5
Calima R LED2x2750 H133 T830 MPRZ LT92	595	595	47	5164	35,5	145	80+	3000	3,5
Calima R LED1x3800 H134 T830 MPRZ LT92	1195	295	47	3614	26,1	139	80+	3000	3,5
Calima R LED1x4600 H135 T830 MPRZ LT92	1195	295	47	3614	25,2	143	80+	3000	3,5
Calima R LED1x5450 H136 T830 MPRZ LT92	1195	295	47	5164	35,5	145	80+	3000	3,5
Calima R LED2x1900 H131 T840 MPRZ LT92	595	595	47	3784	26,1	145	80+	4000	3,5
Calima R LED2x2300 H132 T840 MPRZ LT92	595	595	47	4587	29,3	156	80+	4000	3,5
Calima R LED2x2750 H133 T840 MPRZ LT92	595	595	47	5407	35,5	152	80+	4000	3,5
Calima R LED1x3800 H134 T840 MPRZ LT92	1195	295	47	3784	26,1	145	80+	4000	3,5
Calima R LED1x4600 H135 T840 MPRZ LT92	1195	295	47	4587	29,3	156	80+	4000	3,5
Calima R LED1x5450 H136 T840 MPRZ LT92	1195	295	47	5407	35,5	152	80+	4000	3,5
Calima R LED2x1800 H131 T830 DPRZ LT80 W625	622	622	47	3376	26,1	129	80+	3000	3,5
Calima R LED2x2150 H132 T830 DPRZ LT80 W625	622	622	47	4092	29,3	139	80+	3000	3,5
Calima R LED2x2550 H133 T830 DPRZ LT80 W625	622	622	47	4824	35,5	136	80+	3000	3,5
Calima R LED1x3550 H134 T830 DPRZ LT80 W625	1246	310	47	3376	26,1	129	80+	3000	3,5
Calima R LED1x4300 H135 T830 DPRZ LT80 W625	1246	310	47	4092	29,3	139	80+	3000	3,5
Calima R LED1x5100 H136 T830 DPRZ LT80 W625	1246	310	47	4824	35,5	136	80+	3000	3,5
Calima R LED2x1800 H131 T840 DPRZ LT80 W625	622	622	47	3534	26,1	136	80+	4000	3,5
Calima R LED2x2150 H132 T840 DPRZ LT80 W625	622	622	47	4285	29,3	146	80+	4000	3,5
Calima R LED2x2550 H133 T840 DPRZ LT80 W625	622	622	47	5051	35,5	142	80+	4000	3,5
Calima R LED1x3550 H134 T840 DPRZ LT80 W625	1246	310	47	3534	26,1	136	80+	4000	3,5
Calima R LED1x4300 H135 T840 DPRZ LT80 W625	1246	310	47	4285	29,3	146	80+	4000	3,5
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Calima R LED1x5450 H136 T840 MPRZ LT92 W625	1246	310	47	5407	35,5	152	80+	4000	3,5

*Tolerance range for optical and electrical data: $\pm 10\%$. Values apply to an ambient temperature of 25°C. NORTHCLIFFE LIGHTING is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

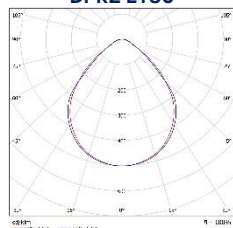
*Photos are for illustrational purposes only. The exact appearance of the product may vary depending on the monitor settings, options selected and other factors.

Available options:

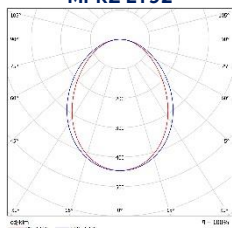
T830	Colour temperature 3000K, CRI 80+
T840	Colour temperature 4000K, CRI 80+
T930	Colour temperature 3000K, CRI 90+
T940	Colour temperature 4000K, CRI 90+
MPRZ LT92	Translucent micro-prismatic diffuser with high light transmittance
DPRZ LT80	De-glaring micro-prismatic diffuser, matt
OP TP(a)	TP(a) rated thermoplastic opal diffuser
DALI	Driver with DALI interface and switch-control dimming
COR	Driver with Corridor function (never off)
COR1min	Driver with Corridor function 1min (switch off after 1 min.)
COR30min	Driver with Corridor function 30min (switch off after 30 min.)
PIR	Integrated PIR sensor with on-off control
WIE3	3-pole "Wieland - gesis classic" type or compatible connector
WIE5	5-pole "Wieland - gesis classic" type or compatible connector
WIE5D	5-pole DALI "Wieland - gesis classic" type or compatible connector
BLT	Integrated wireless control unit and driver for lighting control via mobile device (via Bluetooth)

EM3	Emergency version 3 hours
EM3B	Emergency version 3 hours (best available technology)
EM3A	Emergency version equipped with an autonomous testing system, 3 hours
EM3D	Emergency version 3 hours with DALI interface
EM3LER	Emergency version 3 hours, lens - escape route
EM3LOA	Emergency version 3 hours, lens - open areas
Schuko-1.5m	3-pole "Schuko" type plug with 3x1.0mm ² 1.5m cable
Schuko-3.0m	3-pole "Schuko" type plug with 3x1.0mm ² 3.0m cable
W625	Designed for the German market to fit 625x625 suspended ceiling
RAL	RAL colour
<i>*note - price for uncommon RAL colour or quantity less than MOQ could be different from indicated. Ask before placing an order</i>	
DROP T24	Luminaire version for drop tile style suspended ceilings (600 T24)
DROP T15	Luminaire version for drop tile style suspended ceilings (600 T15)

DPRZ LT80



MPRZ LT92



Available accessories:



Product: Recessed MTG FRAME S626x626 RAL9003
Description: Frame for LED luminaire 595x595mm installation into plasterboard ceiling (1pcs), white steel



Product: Recessed MTG FRAME S326x1226 RAL9003
Short description: Frame for LED luminaire 1195x295mm installation into plasterboard ceiling (1pcs), white steel