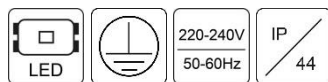


CALIMA R LED

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, 0/50/60Hz
 LED lifetime, h: 100000/L80B50
 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.



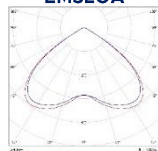
Series of EM3LOA and EM3LER emergency kits is the newest line of options that combines highly efficient LED light sources and the latest optics, designed to illuminate open areas or escape routes. A high specification LED emergency version provides high performance emergency lighting in commercial buildings 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

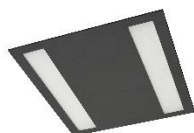
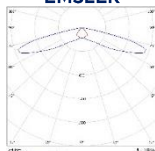
up to 9m in the open areas

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 LED1x1350 G135 T830 DPRZ LT80	595	295	47	1276	9,1	140	80+	3000	2
Calima R LED1x1900 G136 T830 DPRZ LT80	595	295	47	1767	13,3	133	80+	3000	2
Calima R LED1x2800 G137 T830 DPRZ LT80	595	295	47	2651	19,9	133	80+	3000	2
Calima R LED2x1350 G138 T830 DPRZ LT80	595	595	47	2551	17,1	149,2	80+	4000	3,9
Calima R LED2x1950 G139 T830 DPRZ LT80	595	595	47	3697	28,6	129,3	80+	4000	3,9
Calima R LED2x2550 G140 T830 DPRZ LT80	595	595	47	4811	33,7	143	80+	3000	3,9
Calima R LED3x1350 G141 T830 DPRZ LT80	595	595	47	3827	25,9	148	80+	3000	4,2
Calima R LED3x1900 G142 T830 DPRZ LT80	595	595	47	5302	38,4	138	80+	3000	4,2
Calima R LED3x2550 G143 T830 DPRZ LT80	595	595	47	7217	50,6	143	80+	3000	4,2
Calima R LED1x2700 G144 T830 DPRZ LT80	1195	295	47	2551	17,1	149,2	80+	4000	3,5
Calima R LED1x3900 G145 T830 DPRZ LT80	1195	295	47	3697	28,6	129,3	80+	4000	3,5
Calima R LED1x5100 G146 T830 DPRZ LT80	1195	295	47	4811	33,7	143	80+	3000	3,5
Calima R LED2x2700 G147 T830 DPRZ LT80	1195	595	47	5103	34,5	148	80+	3000	6,2
Calima R LED2x3750 G148 T830 DPRZ LT80	1195	595	47	7070	50,7	140	80+	3000	6,2
Calima R LED2x5100 G149 T830 DPRZ LT80	1195	595	47	9623	65,1	148	80+	3000	6,2
Calima R LED1x1350 G135 T840 DPRZ LT80	595	295	47	1345	9,1	147	80+	4000	2
Calima R LED1x1900 G136 T840 DPRZ LT80	595	295	47	1863	13,3	140	80+	4000	2
Calima R LED1x2800 G137 T840 DPRZ LT80	595	295	47	2794	19,9	140,4	80+	4000	2
Calima R LED2x1350 G138 T840 DPRZ LT80	595	595	47	2689	17,1	157,3	80+	4000	3,9
Calima R LED2x1950 G139 T840 DPRZ LT80	595	595	47	3897	28,6	136,3	80+	4000	3,9
Calima R LED2x2550 G140 T840 DPRZ LT80	595	595	47	5098	33,7	151	80+	4000	3,9
Calima R LED3x1350 G141 T840 DPRZ LT80	595	595	47	4034	25,9	156	80+	4000	4,2
Calima R LED3x1900 G142 T840 DPRZ LT80	595	595	47	5589	38,4	145	80+	4000	4,2
Calima R LED3x2550 G143 T840 DPRZ LT80	595	595	47	7646	50,6	151	80+	4000	4,2
Calima R LED1x2700 G144 T840 DPRZ LT80	1195	295	47	2689	17,1	157,3	80+	4000	3,5
Calima R LED1x3900 G145 T840 DPRZ LT80	1195	295	47	3897	28,6	136,3	80+	4000	3,5
Calima R LED1x5100 G146 T840 DPRZ LT80	1195	295	47	5098	33,7	151	80+	4000	3,5
Calima R LED2x2700 G147 T840 DPRZ LT80	1195	595	47	5379	34,5	156	80+	4000	6,2
Calima R LED2x3750 G148 T840 DPRZ LT80	1195	595	47	7452	50,7	147	80+	4000	6,2
Calima R LED2x5100 G149 T840 DPRZ LT80	1195	595	47	10143	65,1	156	80+	4000	6,2
Calima R LED1x1450 G135 T830 MPRZ LT92	595	295	47	1366	9,1	149	80+	3000	2
Calima R LED1x2000 G136 T830 MPRZ LT92	595	295	47	1892	13,3	143	80+	3000	2
Calima R LED1x3000 G137 T830 MPRZ LT92	595	295	47	2838	19,9	143	80+	3000	2
Calima R LED2x1450 G138 T830 MPRZ LT92	595	595	47	2731	17,1	159,7	80+	4000	3,9
Calima R LED2x2100 G139 T830 MPRZ LT92	595	595	47	3958	28,6	138,4	80+	4000	3,9
Calima R LED2x2750 G140 T830 MPRZ LT92	595	595	47	5151	33,7	153	80+	3000	3,9
Calima R LED3x1450 G141 T830 MPRZ LT92	595	595	47	4097	25,9	158	80+	3000	4,2
Calima R LED3x2000 G142 T830 MPRZ LT92	595	595	47	5676	38,4	148	80+	3000	4,2
Calima R LED3x2750 G143 T830 MPRZ LT92	595	595	47	7726	50,6	153	80+	3000	4,2
Calima R LED1x2900 G144 T830 MPRZ LT92	1195	295	47	2731	17,1	159,7	80+	4000	3,5
Calima R LED1x4200 G145 T830 MPRZ LT92	1195	295	47	3958	28,6	138,4	80+	4000	3,5
Calima R LED1x5500 G146 T830 MPRZ LT92	1195	295	47	5151	33,7	153	80+	3000	3,5
Calima R LED2x2900 G147 T830 MPRZ LT92	1195	595	47	5463	34,5	158	80+	3000	6,2
Calima R LED2x4000 G148 T830 MPRZ LT92	1195	595	47	7569	50,7	149	80+	3000	6,2
Calima R LED2x5450 G149 T830 MPRZ LT92	1195	595	47	10302	65,1	158	80+	3000	6,2
Calima R LED1x1450 G135 T840 MPRZ LT92	595	295	47	1440	9,1	158	80+	4000	2
Calima R LED1x2000 G136 T840 MPRZ LT92	595	295	47	1994	13,3	150	80+	4000	2
Calima R LED1x3000 G137 T840 MPRZ LT92	595	295	47	2992	19,9	150	80+	4000	2
Calima R LED2x1450 G138 T840 MPRZ LT92	595	595	47	2879	17,1	168,4	80+	4000	3,9
Calima R LED2x2100 G139 T840 MPRZ LT92	595	595	47	4172	28,6	145,9	80+	4000	3,9
Calima R LED2x2750 G140 T840 MPRZ LT92	595	595	47	5457	33,7	162	80+	4000	3,9
Calima R LED3x1450 G141 T840 MPRZ LT92	595	595	47	4319	25,9	167	80+	4000	4,2
Calima R LED3x2000 G142 T840 MPRZ LT92	595	595	47	5983	38,4	156	80+	4000	4,2
Calima R LED3x2750 G143 T840 MPRZ LT92	595	595	47	8186	50,6	162	80+	4000	4,2
Calima R LED1x2900 G144 T840 MPRZ LT92	1195	295	47	2879	17,1	168,4	80+	4000	3,5
Calima R LED1x4200 G145 T840 MPRZ LT92	1195	295	47	4172	28,6	145,9	80+	4000	3,5
Calima R LED1x5500 G146 T840 MPRZ LT92	1195	295	47	5457	33,7	162	80+	4000	3,5
Calima R LED2x2900 G147 T840 MPRZ LT92	1195	595	47	5758	34,5	167	80+	4000	6,2
Calima R LED2x4000 G148 T840 MPRZ LT92	1195	595	47	7978	50,7	157	80+	4000	6,2
Calima R LED2x5450 G149 T840 MPRZ LT92	1195	595	47	10859	65,1	167	80+	4000	6,2

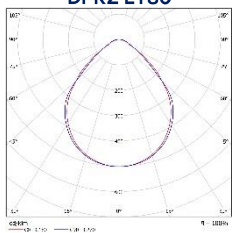
Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy*, lm/W	CRI* (Ra)	CCT*, K	Weight, kg
Calima R LED2x1350 G138 T830 DPRZ LT80 W625	622	622	47	2551	17,1	149,2	80+	4000	3,9
Calima R LED2x1950 G139 T830 DPRZ LT80 W625	622	622	47	3697	28,6	129,3	80+	4000	3,9
Calima R LED2x2550 G140 T830 DPRZ LT80 W625	622	622	47	4811	32,6	147	80+	3000	3,6
Calima R LED1x2700 G144 T830 DPRZ LT80 W625	1246	310	47	2551	17,3	148	80+	3000	3,6
Calima R LED1x3900 G145 T830 DPRZ LT80 W625	1246	310	47	3697	25,8	143	80+	3000	3,6
Calima R LED1x5100 G146 T830 DPRZ LT80 W625	1246	310	47	4811	32,6	147	80+	3000	3,6
Calima R LED2x1350 G138 T840 DPRZ LT80 W625	622	622	47	2689	17,3	156	80+	4000	3,6
Calima R LED2x1950 G139 T840 DPRZ LT80 W625	622	622	47	3897	25,8	151	80+	4000	3,6
Calima R LED2x2550 G140 T840 DPRZ LT80 W625	622	622	47	5098	32,6	156	80+	4000	3,6
Calima R LED1x2700 G144 T840 DPRZ LT80 W625	1246	310	47	2689	17,1	157,3	80+	4000	3,5
Calima R LED1x3900 G145 T840 DPRZ LT80 W625	1246	310	47	3897	28,6	136,3	80+	4000	3,5
Calima R LED1x5100 G146 T840 DPRZ LT80 W625	1246	310	47	5098	32,6	156	80+	4000	3,6
Calima R LED2x1450 G138 T830 MPRZ LT92 W625	622	622	47	2731	17,1	159,7	80+	4000	3,9
Calima R LED2x2100 G139 T830 MPRZ LT92 W625	622	622	47	3958	28,6	138,4	80+	4000	3,9
Calima R LED2x2750 G140 T830 MPRZ LT92 W625	622	622	47	5151	32,6	158	80+	3000	3,6
Calima R LED1x2900 G144 T830 MPRZ LT92 W625	1246	310	47	2731	17,3	158	80+	3000	3,6
Calima R LED1x4200 G145 T830 MPRZ LT92 W625	1246	310	47	3958	25,8	153	80+	3000	3,6
Calima R LED1x5500 G146 T830 MPRZ LT92 W625	1246	310	47	5151	32,6	158	80+	3000	3,6
Calima R LED2x1450 G138 T840 MPRZ LT92 W625	622	622	47	2879	17,3	167	80+	4000	3,6
Calima R LED2x2100 G139 T840 MPRZ LT92 W625	622	622	47	4172	25,8	162	80+	4000	3,6
Calima R LED2x2750 G140 T840 MPRZ LT92 W625	622	622	47	5457	32,6	167	80+	4000	3,6
Calima R LED1x2900 G144 T840 MPRZ LT92 W625	1246	310	47	2879	17,1	168,4	80+	4000	3,5
Calima R LED1x4200 G145 T840 MPRZ LT92 W625	1246	310	47	4172	28,6	145,9	80+	4000	3,5
Calima R LED1x5500 G146 T840 MPRZ LT92 W625	1246	310	47	5457	32,6	167	80+	4000	3,6

*Tolerance range for optical and electrical data: ±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

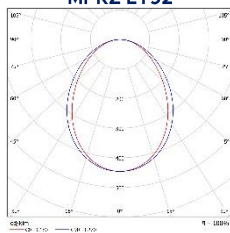
Available options:

T830	Colour temperature 3000K, CRI 80+	BLT	Integrated wireless control unit and driver for lighting mobile device (via Bluetooth)
T840	Colour temperature 4000K, CRI 80+	control via	
MPRZ LT92	Translucent micro-prismatic diffuser with high light transmittance	TW	Integrated light source and driver for Tuneable white 2700-6500 K
DPRZ LT80	De-glaring micro-prismatic diffuser, matt	control	Integrated light source, wireless control unit and driver for Tuneable white control 2700-6500 K via mobile device Bluetooth)
OP TP(a)	TP(a) rated termoplastic opal diffuser	BLT TW	
DALI	Driver with DALI interface and switch-control dimming	for	
COR	Driver with Corridor function (never off)	(via	
COR1min	Driver with Corridor function 1min (switch off after 1 min.)	EM3	Emergency version 3 hours
COR30min	Driver with Corridor function 30min (switch off after 30 min.)	EM3B	Emergency version 3 hours (best available technology)
PIR	Integrated PIR sensor with on-off control	EM3A	Emergency version equipped with an autonomous system, 3 hours
EAIRB-M	Master luminaire with integrated smart sensor and wireless communication and grouping possibilities for control	testing	Emergency version 3 hours with DALI interface
driver with lighting		EM3D	Emergency version 3 hours, lens - escape route
*note - ingress protection IP20		EM3LER	Emergency version 3 hours, lens - open areas
EAIRB-S	Slave luminaire with integrated EAIR type driver for lighting	EM3LOA	3-pole "Schuko" type plug with 3x1.0mm ² 1.5m cable
*note - max system size 1x EAIRB-M + 3x EAIRB-S		Schuko-1.5m	3-pole "Schuko" type plug with 3x1.0mm ² 3.0m cable
*note - max wire length from EAIRB-M to last EAIRB-S - 11 meters		Schuko-3.0m	Designed for the German market to fit 625x625 ceiling
*note - EAIRB options not applicable for models: G135, G136		W625	
WIE3	3-pole "Wieland - gesis classic" type or compatible connector	suspended	
WIE5	5-pole "Wieland - gesis classic" type or compatible connector	RAL	RAL colour
WIE5D	5-pole DALI "Wieland - gesis classic" type or compatible connector		
		DROP T24 (600 T24)	Luminaire version for drop tile style suspended ceilings
		DROP T15 (600 T15)	Luminaire version for drop tile style suspended ceilings

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

Applications:



