

## Description

The MGCALR is a recessed LED luminaire with an opal micro-prismatic diffuser and is suitable for a wide range of applications.

## Environment

Indoor

## Installation

Designed to be recessed into ceiling

## Application

For use retail, education and commercial applications.



<b>5YR</b> Warranty	 <b>IP44</b> Protection	<b>100,000hr</b> Lifetime	 <b>IK05</b> Toughness
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## General Data

Voltage	AC220-240V 50-60Hz
Power Factor	>0.95
Light Source	LED
LED Lifetime	100,000hrs/ L80B50
Operating temperature	0°C to 35°C
Materials	Steel sheet body - white finish De-glaring (DPRZ) or clear micro-prismatic (MPRZ LT92) PMMA low glare diffuser
Installation	Fits 15-24mm exposed T-Bar ceiling 600x600mm. Recessed mounting kit recommended for fitted into plasterboard.

## Light Data

Lumens per Watt	121-158lm/W
-Light Source	LED
CRI	80
Light Distribution	Direct

## Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGCALR LED1X1400 G135 T830 DPRZ LT80	9.1	128	1171	3000	595	295	40	2
MGCALR LED1X1900 G136 T830 DPRZ LT80	13.3	122	1622	3000	595	295	40	2
MGCALR LED1X2850 G137 T830 DPRZ LT80	19.9	122	2433	3000	595	295	40	2
MGCALR LED2X1400 G138 T830 DPRZ LT80	17.7	133	2341	3000	595	595	40	3.5
MGCALR LED2X1900 G139 T830 DPRZ LT80	27.9	121	3392	3000	595	595	40	3.5
MGCALR LED2X2850 G140 T830 DPRZ LT80	38.7	131	4415	3000	595	595	40	3.5
MGCALR LED3X1400 G141 T830 DPRZ LT80	25.9	16	3512	3000	595	595	40	3.6
MGCALR LED3X1900 G142 T830 DPRZ LT80	38.4	127	4865	3000	595	595	40	3.6
MGCALR LED3X2850 G143 T830 DPRZ LT80	50.6	131	6623	3000	595	595	40	3.6
MGCALR LED1X2750 G144 T830 DPRZ LT80	17.7	133	2341	3000	1195	295	40	3.5
MGCALR LED1X3950 G145 T830 DPRZ LT80	27.9	121	3392	3000	1195	295	40	3.5
MGCALR LED1X5200 G146 T830 DPRZ LT80	33.7	131	4415	3000	1195	295	40	3.5
MGCALR LED2X2750 G147 T830 DPRZ LT80	34.5	136	4682	3000	1195	595	40	6.5
MGCALR LED2X3950 G148 T830 DPRZ LT80	45.4	143	6487	3000	1195	595	40	6.5
MGCALR LED2X5200 G149 T830 DPRZ LT80	65.2	135	8830	3000	1195	595	40	6.5
MGCALR LED1X1400 G135 T840 DPRZ LT80	9.1	135	1234	4000	595	295	40	2
MGCALR LED1X1900 G136 T840 DPRZ LT80	13.3	129	1710	4000	595	295	40	2
MGCALR LED1X2850 G137 T840 DPRZ LT80	19.9	129	2564	4000	595	295	40	2
MGCALR LED2X1400 G138 T840 DPRZ LT80	17.7	140	2468	4000	595	595	40	3.5
MGCALR LED2X1900 G139 T840 DPRZ LT80	27.9	128	3576	4000	595	595	40	3.5
MGCALR LED2X2850 G140 T840 DPRZ LT80	38.7	139	4678	4000	595	595	40	3.5
MGCALR LED3X1400 G141 T840 DPRZ LT80	25.9	143	3702	4000	595	595	40	3.6
MGCALR LED3X1900 G142 T840 DPRZ LT80	38.4	133	5129	4000	595	595	40	3.6
MGCALR LED3X2850 G143 T830 DPRZ LT80	50.6	139	7017	4000	595	595	40	3.6

## Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGCALR LED1X2750 G144 T840 DPRZ LT80	17.7	140	2468	4000	1195	295	40	3.5
MGCALR LED1X3950 G145 T840 DPRZ LT80	27.9	128	3576	4000	1195	295	40	3.5
MGCALR LED1X5200 G146 T840 DPRZ LT80	33.7	139	4678	4000	1195	295	40	3.5
MGCALR LED2X2750 G147 T840 DPRZ LT80	34.5	143	4936	4000	1195	595	40	6.5
MGCALR LED2X3950 G148 T840 DPRZ LT80	45.4	137	6237	4000	1195	595	40	6.5
MGCALR LED2X5200 G149 T840 DPRZ LT80	65.2	143	9356	4000	1195	595	40	6.5
MGCALR LED1X1400 G135 T830 MPRZ LT92	9.1	141	1291	3000	595	295	40	2
MGCALR LED1X1900 G136 T830 MPRZ LT92	13.3	135	1788	3000	595	295	40	2
MGCALR LED1X2850 G137 T830 MPRZ LT92	19.9	135	2682	3000	595	295	40	2
MGCALR LED2X1400 G138 T830 MPRZ LT92	17.7	146	2581	3000	595	595	40	3.5
MGCALR LED2X1900 G139 T830 MPRZ LT92	27.9	134	3740	3000	595	595	40	3.5
MGCALR LED2X2850 G140 T830 MPRZ LT92	38.7	144	4868	3000	595	595	40	3.5
MGCALR LED3X1400 G141 T830 MPRZ LT92	25.9	150	3872	3000	595	595	40	3.6
MGCALR LED3X1900 G142 T830 MPRZ LT92	38.4	140	5365	3000	595	595	40	3.6
MGCALR LED3X2850 G143 T830 MPRZ LT92	50.6	144	7302	3000	595	595	40	3.6
MGCALR LED1X2750 G144 T830 MPRZ LT92	17.7	146	2581	3000	1195	295	40	3.5
MGCALR LED1X3950 G145 T830 MPRZ LT92	27.9	134	3740	3000	1195	295	40	3.5
MGCALR LED1X5200 G146 T830 MPRZ LT92	33.7	144	4868	3000	1195	295	40	3.5
MGCALR LED2X2750 G147 T830 MPRZ LT92	34.5	150	5163	3000	1195	595	40	6.5
MGCALR LED2X3950 G148 T830 MPRZ LT92	45.4	157	7153	3000	1195	595	40	6.5
MGCALR LED2X5200 G149 T830 MPRZ LT92	65.2	149	9736	3000	1195	595	40	6.5
MGCALR LED1X1400 G135 T840 MPRZ LT92	9.1	149	1360	4000	595	295	40	2
MGCALR LED1X1900 G136 T840 MPRZ LT92	13.3	142	1885	4000	595	295	40	2
MGCALR LED1X2850 G137 T840 MPRZ LT92	19.9	142	2827	4000	595	295	40	2

## Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGCALR LED2X1400 G138 T840 MPRZ LT92	17.7	154	2721	4000	595	595	40	3.5
MGCALR LED2X1900 G139 T840 MPRZ LT92	27.9	141	3942	4000	595	595	40	3.5
MGCALR LED2X2850 G140 T840 MPRZ LT92	38.7	153	5158	4000	595	595	40	3.5
MGCALR LED3X1400 G141 T840 MPRZ LT92	25.9	158	4081	4000	595	595	40	3.6
MGCALR LED3X1900 G142 T840 MPRZ LT92	38.4	147	5655	4000	595	595	40	3.6
MGCALR LED3X2850 G143 T840 MPRZ LT92	50.6	153	7736	4000	595	595	40	3.6
MGCALR LED1X2750 G144 T840 MPRZ LT92	17.7	154	2721	4000	1195	295	40	3.5
MGCALR LED1X3950 G145 T840 MPRZ LT92	27.9	141	3942	4000	1195	295	40	3.5
MGCALR LED1X5200 G146 T840 MPRZ LT92	33.7	153	5158	4000	1195	295	40	3.5
MGCALR LED2X2750 G147 T840 MPRZ LT92	34.5	158	5442	4000	1195	595	40	6.5
MGCALR LED2X3950 G148 T840 MPRZ LT92	45.4	151	6877	4000	1195	595	40	6.5
MGCALR LED2X5200 G149 T840 MPRZ LT92	65.2	158	10315	4000	1195	595	40	6.5

## EM3LOA and EM3LER Emergencies

The newest line of emergency options that combine 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 are of prime importance such as offices, retail or hospitality and leisure facilities.

Whereas typical escape route emergency luminaires need to be spaced at every 3-7 meters to achieve the required illumination level EM3LOA and EM3LER optimised optics can provide more than up to 17m along the escape routes and up to 9m in the open areas. Meter spacing, depending on the ceiling height significantly reduces the number of emergencies required and consequently savings from installation and subsequent maintenance.

## Options

OPTION	CODE
Driver with DALI interface	DALI
Master luminaire with integrated smart sensor and driver with wireless communication and grouping possibilities for lighting control	EAIR-M*
Slave luminaire with integrated EAIR type driver for lighting control	EAIR-S*
Driver with corridor function (never off)	COR
Driver with corridor function 1 min (switch off after 1 min)	COR1min
Driver with corridor function 30 min (switch off after 30 mins)	COR30min
Emergency version 3 hours	EM3
Emergency version equipped with autonomous testing system 3 hours	EM3A
Emergency version 3 hours with DALI interface	EM3D
Emergency version 3 hours, lens - escape route	EM3LER
Emergency version 3 hours, lens - open areas	EM3LOA
Integrated self learning sensor and driver for lighting control	ACT+
Integrated wireless control unit and driver for lighting control via mobile device (via Bluetooth)	BLT
Integrated light source and driver for tuneable white control 2700K-6500K	TW
Integrated wireless control unit and driver for tuneable white control 2700K-6500K via mobile device (via Bluetooth)	BLT TW
Integrated daylight sensor and dimming driver for simple setting of constant light level	DLIGHT
RAL	RAL Colour Code
Translucent micro-prismatic diffuser with high light transmittance	MPRZ LT92

\*Note: Maximum system size 1xEAIR-M and 3xEAIR-S.  
Maximum wire length from EAIR-M to least EAIR-S 11 meters  
EAIR option not applicable to models G135, G136.

## Product Images



## Accessories

OPTION	CODE
Mounting frame for 595x595mm panel for installation into plasterboard ceiling	MGMTGS620
Mounting frame for 1195x295mm panel for installation into plasterboard ceiling	MGMTGS320

