

Description

The MGCALU is a suspended LED luminaire with de-glaring or translucent micro-prismatic diffuser and a wide choice of options making it suitable for a variety of applications.

Environment

Indoor

Installation

Suspended mounted

Application

For use retail, education and commercial applications.



5YR Warranty	 IP40 Protection	100,000hr Lifetime	 IK05 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	Sheet steel body - white finish Translucent micro-prismatic or de-glaring diffuser PMMA

Light Data

Lumens per Watt	125-159lm/W
-Light Source	LED
CRI	80
Light Distribution	Direct (Direct/indirect with LG3 version)

Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGCALU LED1X2750 G173 T830 DPRZ LT80	18.7	125	2341	3000	1215	175	40	4.1
MGCALU LED1X3550 G174 T830 DPRZ LT80	22.3	137	3053	3000	1215	175	40	4.1
MGCALU LED1X4650 G175 T830 DPRZ LT80	29.8	134	3978	3000	1215	175	40	4.1
MGCALU LED1X3450 G176 T830 DPRZ LT80	22.3	131	2926	3000	1495	175	40	5.1
MGCALU LED1X4450 G177 T830 DPRZ LT80	27.3	140	3816	3000	1495	175	40	5.1
MGCALU LED1X5800 G178 T830 DPRZ LT80	36.8	135	4973	3000	1495	175	40	5.1
MGCALU LED1X2750 G173 T840 DPRZ LT80	18.7	132	2468	4000	1215	175	40	4.1
MGCALU LED1X3550 G174 T840 DPRZ LT80	22.3	144	3218	4000	1215	175	40	4.1
MGCALU LED1X4650 G175 T840 DPRZ LT80	29.8	141	4194	4000	1215	175	40	4.1
MGCALU LED1X3450 G176 T840 DPRZ LT80	22.3	138	3085	4000	1495	175	40	5.1
MGCALU LED1X4450 G177 T840 DPRZ LT80	27.3	147	4022	4000	1495	175	40	5.1
MGCALU LED1X5800 G178 T840 DPRZ LT80	36.8	142	5242	4000	1495	175	40	5.1
MGCALU LED1X2750 G173 T830 MPRZ LT92	18.7	138	2581	3000	1215	175	40	4.1
MGCALU LED1X3550 G174 T830 MPRZ LT92	22.3	151	3366	3000	1215	175	40	4.1
MGCALU LED1X4650 G175 T830 MPRZ LT92	29.8	147	3487	3000	1215	175	40	4.1
MGCALU LED1X3450 G176 T830 MPRZ LT92	22.3	145	3227	3000	1495	175	40	5.1
MGCALU LED1X4450 G177 T830 MPRZ LT92	27.3	154	4208	3000	1495	175	40	5.1
MGCALU LED1X5800 G178 T830 MPRZ LT92	36.8	149	5483	3000	1495	175	40	5.1
MGCALU LED1X2750 G173 T840 MPRZ LT92	18.7	145	2721	4000	1215	175	40	4.1
MGCALU LED1X3550 G174 T840 MPRZ LT92	22.3	159	3548	4000	1215	175	40	4.1
MGCALU LED1X4650 G175 T840 MPRZ LT92	29.8	155	4624	4000	1215	175	40	4.1
MGCALU LED1X3450 G176 T840 MPRZ LT92	22.3	152	3401	4000	1495	175	40	5.1
MGCALU LED1X4450 G177 T840 MPRZ LT92	27.3	162	4435	4000	1495	175	40	5.1
MGCALU LED1X5800 G178 T840 MPRZ LT92	36.8	157	5780	4000	1495	175	40	5.1

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Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGCALU LED1X2750/1700 G179 T830 DPRZ LT80 LG3	29.6	133	3917	3000	1215	175	40	4.6
MGCALU LED1X4100/2500 G180 T830 DPRZ LT80 LG3	43.9	135	5876	3000	1215	175	40	4.6
MGCALU LED1X3450/2250 G181 T830 DPRZ LT80 LG3	37.6	133	5027	3000	1495	175	40	5.6
MGCALU LED1X5150/3350 G182 T830 DPRZ LT80 LG3	56.4	133	7542	3000	1495	175	40	5.6
MGCALU LED1X2750/1700 G179 T840 DPRZ LT80 LG3	29.6	141	4129	4000	1215	175	40	4.6
MGCALU LED1X4100/2500 G180 T840 DPRZ LT80 LG3	43.9	142	6194	4000	1215	175	40	4.6
MGCALU LED1X3450/2250 G181 T840 DPRZ LT80 LG3	37.6	140	5300	4000	1495	175	40	5.6
MGCALU LED1X5150/3350 G182 T840 DPRZ LT80 LG3	56.4	140	7949	4000	1495	175	40	5.6
MGCALU LED1X2750/1700 G179 T830 MPRZ LT92 LG3	29.6	140	4157	3000	1215	175	40	4.6
MGCALU LED1X4100/2500 G180 T830 MPRZ LT92 LG3	43.9	142	6236	3000	1215	175	40	4.6
MGCALU LED1X3450/2250 G181 T830 MPRZ LT92 LG3	37.6	142	5328	3000	1495	175	40	5.6
MGCALU LED1X5150/3350 G182 T830 MPRZ LT92 LG3	56.4	142	7992	3000	1495	175	40	5.6
MGCALU LED1X2750/1700 G179 T840 MPRZ LT92 LG3	29.6	148	4382	4000	1215	175	40	4.6
MGCALU LED1X4100/2500 G180 T840 MPRZ LT92 LG3	43.9	150	6573	4000	1215	175	40	4.6
MGCALU LED1X3450/2250 G181 T840 MPRZ LT92 LG3	37.6	150	5616	4000	1495	175	40	5.6
MGCALU LED1X5150/3350 G182 T840 MPRZ LT92 LG3	56.4	150	8424	4000	1495	175	40	5.6

EM3LOA an EM3LER



A series of EM3LOA and EM3LER emergency kits 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, hospitality and leisure facilities.

Where as 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 spacing up to 17 metres along the escape route and up to 9 metres in the open area, depending on the ceiling height Thus allowing he reduction of emergency luminaires needed and consequently a reduction in the cost of installation and 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 driver for lighting control	EAIR-S*
Integrated self learning sensor and driver for lighting control	ACT+
Integrated light source and driver for tuneable white control 2700-6500K	TW
Integrated wireless control unit and driver for lighting control via mobile device (via Bluetooth)	BLT
Integrated light source, wireless control unit and driver for tuneable white control 2700-6500K via mobile device (via Bluetooth)	BLT TW
Integrated daylight sensor and dimming driver for simple setting of constant light level	DLIGHT
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
Pull switch device on/off	PULL
Option that enables control (on/off) down and up lights separately	Lsep
Luminaire designed for in-line connection with join element - end/first luminaire (join kit not included)	L
Luminaire designed for in-line connection with join element - intermediate luminaire (join kit not included)	LL
RAL	RAL Colour Code
Translucent micro-prismatic diffuser with high light transmission	MPRZ LT92
De-glaring micro-prismatic diffuser	DPRZ LT80

*Note: Maximum system size 1xEAIR-M + 3xEAIR-S

Note: Maximum wire length from EAIR-M to last EAIR-S - 11 metres.