

Description

The MGCALS is a standard surface LED batten with a micro-prismatic diffuser suitable for a wide range of applications.

Environment

Indoor

Installation

Suspended

Application

For use retail, education and commercial applications.



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 Clear micro-prismatic or de-glaring diffuser PMMA

Light Data

Lumens per Watt	127-158lm/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
MGCALS LED1X1500 G150 T830 DRPZ LT80	10.1	127	1284	3000	635	175	40	2.2
MGCALS LED1X2050 G151 T830 DPRZ LT80	13.9	127	1756	3000	635	175	40	2.2
MGCALS LED1X2850 G152 T830 DPRZ LT80	19.9	122	2433	3000	635	175	40	2.2
MGCALS LED1X2750 G153 T830 DPRZ LT80	18.5	127	2341	3000	1203	175	40	3.9
MGCALS LED1X3550 G154 T830 DPRZ LT80	22.3	137	3053	3000	1203	175	40	3.9
MGCALS LED1X4650 G155 T830 DPRZ LT80	29.8	134	3978	3000	1203	175	40	3.9
MGCALS LED1X5200 G156 T830 DPRZ LT80	33.7	131	4415	3000	1203	175	40	3.9
MGCALS LED1X7200 G158 T830 DPRZ LT80	46.3	133	6156	3000	1203	175	40	3.9
MGCALS LED1X3450 G159 T830 DPRZ LT80	22.6	130	2926	3000	1483	175	40	4.75
MGCALS LED1X3450 G160 T830 DPRZ LT80	27.6	138	3816	3000	1483	175	40	4.75
MGCALS LED1X5800 G161 T830 DPRZ LT80	37.2	134	4973	3000	1483	175	40	4.75
MGCALS LED1X6450 G162 T830 DPRZ LT80	426	130	5519	3000	1483	175	40	4.75
MGCALS LED1X8950 G164 T830 DPRZ LT80	57.3	134	7695	3000	1483	175	40	4.75
MGCALS LED2X1400 G165 T830 DPRZ LT80	17.7	133	2341	3000	635	295	40	3.7
MGCALS LED2X2000 G166 T830 DPRZ LT80	27.9	121	3392	3000	635	295	40	3.7
MGCALS LED2X2600 G167 T830 DPRZ LT80	33.7	131	4415	3000	635	295	40	3.7
MGCALS LED2X1400 G168 T830 DPRZ LT80	17.7	133	2341	3000	635	595	40	5.5
MGCALS LED2X2000 G169 T830 DPRZ LT80	27.9	121	3392	3000	635	595	40	5.5
MGCALS LED2X2600 G170 T830 DPRZ LT80	33.7	131	4415	3000	635	595	40	5.5
MGCALS LED3X1400 G171 T830 DPRZ LT80	25.9	136	3512	3000	635	595	40	5.5
MGCALS LED3X1900 G172 T830 DPRZ LT80	38.4	127	4865	3000	635	595	40	5.5

Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGCALS LED1X1500 G150 T840 DRPZ LT80	10.1	133	1353	4000	635	175	40	2.2
MGCALS LED1X2050 G151 T840 DPRZ LT80	13.9	133	1851	4000	635	175	40	2.2
MGCALS LED1X2850 G152 T840 DPRZ LT80	19.9	129	2564	4000	635	175	40	2.2
MGCALS LED1X2750 G153 T840 DPRZ LT80	18.5	133	2468	4000	1203	175	40	3.9
MGCALS LED1X3550 G154 T840 DPRZ LT80	22.3	144	3218	4000	1203	175	40	3.9
MGCALS LED1X4650 G155 T840 DPRZ LT80	29.8	141	4194	4000	1203	175	40	3.9
MGCALS LED1X5200 G156 T840 DPRZ LT80	33.7	139	4678	4000	1203	175	40	3.9
MGCALS LED1X7200 G158 T840 DPRZ LT80	46.3	140	6489	4000	1203	175	40	3.9
MGCALS LED1X3450 G159 T840 DPRZ LT80	22.6	137	3085	4000	1483	175	40	4.75
MGCALS LED1X3450 G160 T840 DPRZ LT80	27.6	146	4022	4000	1483	175	40	4.75
MGCALS LED1X5800 G161 T840 DPRZ LT80	37.2	141	5242	4000	1483	175	40	4.75
MGCALS LED1X6450 G162 T840 DPRZ LT80	42.6	137	5847	4000	1483	175	40	4.75
MGCALS LED1X8950 G164 T840 DPRZ LT80	57.3	142	8111	4000	1483	175	40	4.75
MGCALS LED2X1400 G165 T840 DPRZ LT80	17.7	140	2468	4000	635	295	40	3.7
MGCALS LED2X2000 G166 T840 DPRZ LT80	27.9	128	3576	4000	635	295	40	3.7
MGCALS LED2X2600 G167 T840 DPRZ LT80	33.7	139	4678	4000	635	295	40	3.7
MGCALS LED2X1400 G168 T840 DPRZ LT80	17.7	140	2468	4000	635	595	40	5.5
MGCALS LED2X2000 G169 T840 DPRZ LT80	27.9	128	3576	4000	635	595	40	5.5
MGCALS LED2X2600 G170 T840 DPRZ LT80	33.7	139	4678	4000	635	595	40	5.5
MGCALS LED3X1400 G171 T840 DPRZ LT80	25.9	143	3702	4000	635	595	40	5.5
MGCALS LED3X1900 G172 T840 DPRZ LT80	38.4	133	5129	4000	635	595	40	5.5

Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGCALS LED1X1500 G150 T830 MPRZ LT92	10.1	139	1415	3000	635	175	40	2.2
MGCALS LED1X2050 G151 T830 MPRZ LT92	13.9	140	1936	3000	635	175	40	2.2
MGCALS LED1X2850 G152 T830 MPRZ LT92	19.9	135	2682	3000	635	175	40	2.2
MGCALS LED1X2750 G153 T830 MPRZ LT92	18.5	140	2581	3000	1203	175	40	3.9
MGCALS LED1X3550 G154 T830 MPRZ LT92	22.3	151	3366	3000	1203	175	40	3.9
MGCALS LED1X4650 G155 T830 MPRZ LT92	29.8	147	4387	3000	1203	175	40	3.9
MGCALS LED1X5200 G156 T830 MPRZ LT92	33.7	144	4868	3000	1203	175	40	3.9
MGCALS LED1X7200 G158 T830 MPRZ LT92	46.3	147	6787	3000	1203	175	40	3.9
MGCALS LED1X3450 G159 T830 MPRZ LT92	22.6	143	3227	3000	1483	175	40	4.75
MGCALS LED1X3450 G160 T830 MPRZ LT92	27.6	152	4208	3000	1483	175	40	4.75
MGCALS LED1X5800 G161 T830 MPRZ LT92	37.2	147	5483	3000	1483	175	40	4.75
MGCALS LED1X6450 G162 T830 MPRZ LT92	42.6	143	6085	3000	1483	175	40	4.75
MGCALS LED1X8950 G164 T830 MPRZ LT92	57.3	148	8484	3000	1483	175	40	4.75
MGCALS LED2X1400 G165 T830 MPRZ LT92	17.7	146	2581	3000	635	295	40	3.7
MGCALS LED2X2000 G166 T830 MPRZ LT92	27.9	134	3740	3000	635	295	40	3.7
MGCALS LED2X2600 G167 T830 MPRZ LT92	33.7	144	4868	3000	635	295	40	3.7
MGCALS LED2X1400 G168 T830 MPRZ LT92	17.7	146	2581	3000	635	595	40	5.5
MGCALS LED2X2000 G169 T830 MPRZ LT92	27.9	134	3740	3000	635	595	40	5.5
MGCALS LED2X2600 G170 T830 MPRZ LT92	33.7	144	4868	3000	635	595	40	5.5
MGCALS LED3X1400 G171 T830 MPRZ LT92	25.9	150	3782	3000	635	595	40	5.5
MGCALS LED3X1900 G172 T830 MPRZ LT92	38.4	140	5365	3000	635	595	40	5.5

Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGCALS LED1X1500 G150 T840 MPRZ LT92	10.1	147	1492	4000	635	175	40	2.2
MGCALS LED1X2050 G151 T840 MPRZ LT92	13.9	147	2041	4000	635	175	40	2.2
MGCALS LED1X2850 G152 T840 MPRZ LT92	19.9	142	2827	4000	635	175	40	2.2
MGCALS LED1X2750 G153 T840 MPRZ LT92	18.5	147	2721	4000	1203	175	40	3.9
MGCALS LED1X3550 G154 T840 MPRZ LT92	22.3	159	3548	4000	1203	175	40	3.9
MGCALS LED1X4650 G155 T840 MPRZ LT92	29.8	155	4624	4000	1203	175	40	3.9
MGCALS LED1X5200 G156 T840 MPRZ LT92	33.7	153	5158	4000	1203	175	40	3.9
MGCALS LED1X7200 G158 T840 MPRZ LT92	46.3	155	7154	4000	1203	175	40	3.9
MGCALS LED1X3450 G159 T840 MPRZ LT92	22.6	151	3401	4000	1483	175	40	4.75
MGCALS LED1X3450 G160 T840 MPRZ LT92	27.6	161	4435	4000	1483	175	40	4.75
MGCALS LED1X5800 G161 T840 MPRZ LT92	37.2	155	5780	4000	1483	175	40	4.75
MGCALS LED1X6450 G162 T840 MPRZ LT92	42.6	151	6447	4000	1483	175	40	4.75
MGCALS LED1X8950 G164 T840 MPRZ LT92	57.3	156	8943	4000	1483	175	40	4.75
MGCALS LED2X1400 G165 T840 MPRZ LT92	17.7	154	2721	4000	635	295	40	3.7
MGCALS LED2X2000 G166 T840 MPRZ LT92	27.9	141	3942	4000	635	295	40	3.7
MGCALS LED2X2600 G167 T840 MPRZ LT92	33.7	153	5158	4000	635	295	40	3.7
MGCALS LED2X1400 G168 T840 MPRZ LT92	17.7	154	2721	4000	635	595	40	5.5
MGCALS LED2X2000 G169 T840 MPRZ LT92	27.9	141	3942	4000	635	595	40	5.5
MGCALS LED2X2600 G170 T840 MPRZ LT92	33.7	153	5158	4000	635	595	40	5.5
MGCALS LED3X1400 G171 T840 MPRZ LT92	25.9	158	4081	4000	635	595	40	5.5
MGCALS LED3X1900 G172 T840 MPRZ LT92	38.4	147	5655	4000	635	595	40	5.5

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
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
 Maximum wire length from EAIR-M to last EAIR-S - 11 metres
 EAIR option not applicable to models G150, G151, G152 and G155.

**Note: ACT+ option not applicable for models G150, G151, G152, G153, G165, G166, G168 and G169.