

Description

The MGSER is a recessed LED luminaire with opal, micro-linear or de-glaring prismatic diffuser for in-line connection without gaps.

Environment

Indoor



Installation

Designed to be recessed

Application

Suitable for retail, education and commercial applications



5YR Warranty	 IP40 Protection	100,000hr Lifetime	 IK05 Toughness
------------------------	--	------------------------------	---

General Data

Voltage	AC220-240V 50-60Hz
Power Factor	>0.95
Light Source	LED
LED Lifetime	100,000hrs/ L80B50
Operating temperature	-15°C to 35°C
Materials	Opal polycarbonate (OPLT80), micro-linear prismatic (MPRZ) or de-glaring micro-prismatic (DPRZ, DPRZ LT80) diffuser, UV Stabilised Extruded aluminium profile body, white RAL9010 with sandpaper finish
Installation	Recessed, supplied with support brackets

Light Data

Lumens per Watt	110-140lm/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
MGSER LED1X900 G183 T830 OP LO1	6.8	114	779	3000	597	77	68	1.5
MGSER LED1X1200 G184 T830 OP LO2	9.7	110	1066	3000	597	77	68	1.5
MGSER LED1X1650 G185 T830 OP LO3	13.3	111	1476	3000	597	77	68	1.5
MGSER LED1X1300 G186 T830 OP LO1	10.3	114	1169	3000	877	77	68	2
MGSER LED1X1800 G187 T830 OP LO2	13.7	117	1598	3000	877	77	68	2
MGSER LED1X2450 G188 T830 OP LO3	18.8	118	2214	3000	877	77	68	2
MGSER LED1X1750 G189 T830 OP LO1	12.9	121	1558	3000	1157	77	68	2.5
MGSER LED1X2350 G190 T830 OP LO2	17.3	123	2131	3000	1157	77	68	2.5
MGSER LED1X3250 G191 T830 OP LO3	24.5	120	2953	3000	1157	77	68	2.5
MGSER LED1X2150 G192 T830 OP LO1	16.1	121	1948	3000	1437	77	68	2.9
MGSER LED1X2950 G193 T830 OP LO2	21.6	123	2664	3000	1437	77	68	2.9
MGSER LED1X4100 G194 T830 OP LO3	30.6	120	3691	3000	1437	77	68	2.9
MGSER LED1X2600 G195 T830 OP LO1	18.3	128	2337	3000	1717	77	68	3.4
MGSER LED1X3550 G196 T830 OP LO2	25.3	126	3197	3000	1717	77	68	3.4
MGSER LED1X4900 G197 T830 OP LO3	36.8	120	4429	3000	1717	77	68	3.4
MGSER LED1X3000 G198 T830 OP LO1	21.3	128	2727	3000	1997	77	68	4
MGSER LED1X4100 G199 T830 OP LO2	29.6	126	3729	3000	1997	77	68	4
MGSER LED1X5700 G200 T830 OP LO3	42.9	120	5167	3000	1997	77	68	4
MGSER LED1X3450 G201 T830 OP LO1	23.8	131	3116	3000	2277	77	68	4.3
MGSER LED1X4700 G202 T830 OP LO2	33.8	126	4262	3000	2277	77	68	4.3
MGSER LED1X6500 G203 T830 OP LO3	48.5	122	5905	3000	2277	77	68	4.3
MGSER LED1X3900 G204 T830 OP LO1	26.8	131	3506	3000	2557	77	68	5.4
MGSER LED1X5300 G205 T830 OP LO2	38	126	4795	3000	2557	77	68	5.4
MGSER LED1X7300 G206 T830 OP LO3	54.6	122	6643	3000	2557	77	68	5.4
MGSER LED1X4500 G207 T830 OP LO1	31.3	131	4090	3000	2977	77	68	5.8
MGSER LED1X6150 G208 T830 OP LO2	44.3	126	5594	3000	2977	77	68	5.8
MGSER LED1X8550 G209 T830 OP LO3	63.6	122	7750	3000	2977	77	68	5.8

MG Lites, 4 Denaby Lane Industrial Estate, Coalpit Road, Denaby, Doncaster, South Yorkshire, DN12 4LH

Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGSER LED1X900 G183 T840 OP LO1	6.8	120	821	4000	597	77	68	1.5
MGSER LED1X1200 G184 T840 OP LO2	9.7	116	1123	4000	597	77	68	1.5
MGSER LED1X1650 G185 T840 OP LO3	13.3	117	1556	4000	597	77	68	1.5
MGSER LED1X1300 G186 T840 OP LO1	10.3	120	1232	4000	877	77	68	2
MGSER LED1X1800 G187 T840 OP LO2	13.7	123	1685	4000	877	77	68	2
MGSER LED1X2450 G188 T840 OP LO3	18.8	124	2334	4000	877	77	68	2
MGSER LED1X1750 G189 T840 OP LO1	12.9	127	1642	4000	1157	77	68	2.5
MGSER LED1X2350 G190 T840 OP LO2	17.3	130	2246	4000	1157	77	68	2.5
MGSER LED1X3250 G191 T840 OP LO3	24.5	127	3112	4000	1157	77	68	2.5
MGSER LED1X2150 G192 T840 OP LO1	16.1	127	2053	4000	1437	77	68	2.9
MGSER LED1X2950 G193 T840 OP LO2	21.6	130	2808	4000	1437	77	68	2.9
MGSER LED1X4100 G194 T840 OP LO3	30.6	127	3890	4000	1437	77	68	2.9
MGSER LED1X2600 G195 T840 OP LO1	18.3	135	2464	4000	1717	77	68	3.4
MGSER LED1X3550 G196 T840 OP LO2	25.3	133	3369	4000	1717	77	68	3.4
MGSER LED1X4900 G197 T840 OP LO3	36.8	127	4668	4000	1717	77	68	3.4
MGSER LED1X3000 G198 T834 OP LO1	21.3	135	2874	4000	1997	77	68	4
MGSER LED1X4100 G199 T840 OP LO2	29.6	133	3931	4000	1997	77	68	4
MGSER LED1X5700 G200 T840 OP LO3	429	127	5446	4000	1997	77	68	4
MGSER LED1X3450 G201 T840 OP LO1	23.8	138	3285	4000	2277	77	68	4.3
MGSER LED1X4700 G202 T840 OP LO2	33.8	133	4493	4000	2277	77	68	4.3
MGSER LED1X6500 G203 T840 OP LO3	48.5	128	6224	4000	2277	77	68	4.3
MGSER LED1X3900 G204 T840 OP LO1	26.8	138	3696	4000	2557	77	68	5.4
MGSER LED1X5300 G205 T840 OP LO2	38	133	5054	4000	2557	77	68	5.4
MGSER LED1X7300 G206 T840 OP LO3	54.6	128	7003	4000	2557	77	68	5.4
MGSER LED1X4500 G207 T840 OP LO1	31.3	138	4311	4000	2977	77	68	5.8
MGSER LED1X6150 G208 T840 OP LO2	44.3	133	5897	4000	2977	77	68	5.8
MGSER LED1X8550 G209 T840 OP LO3	63.6	128	8170	4000	2977	77	68	5.8

MG Lites, 4 Denaby Lane Industrial Estate, Coalpit Road, Denaby, Doncaster, South Yorkshire, DN12 4LH

Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGSER LED1X900 G183 T830 DPRZ LO1	6.8	115	790	3000	597	77	68	1.5
MGSER LED1X1200 G184 T830 DPRZ LO2	9.7	111	1081	3000	597	77	68	1.5
MGSER LED1X1650 G185 T830 DPRZ LO3	13.3	113	1497	3000	597	77	68	1.5
MGSER LED1X1300 G186 T830 DPRZ LO1	10.3	115	1185	3000	877	77	68	2
MGSER LED1X1800 G187 T830 DPRZ LO2	13.7	118	1621	3000	877	77	68	2
MGSER LED1X2450 G188 T830 DPRZ LO3	18.8	120	2246	3000	877	77	68	2
MGSER LED1X1750 G189 T830 DPRZ LO1	12.9	123	1580	3000	1157	77	68	2.5
MGSER LED1X2350 G190 T830 DPRZ LO2	17.3	125	2161	3000	1157	77	68	2.5
MGSER LED1X3250 G191 T830 DPRZ LO3	24.5	122	2994	3000	1157	77	68	2.5
MGSER LED1X2150 G192 T830 DPRZ LO1	16.1	123	1975	3000	1437	77	68	2.9
MGSER LED1X2950 G193 T830 DPRZ LO2	21.6	125	2701	3000	1437	77	68	2.9
MGSER LED1X4100 G194 T830 DPRZ LO3	30.6	122	3743	3000	1437	77	68	2.9
MGSER LED1X2600 G195 T830 DPRZ LO1	18.3	130	2370	3000	1717	77	68	3.4
MGSER LED1X3550 G196 T830 DPRZ LO2	25.3	128	3242	3000	1717	77	68	3.4
MGSER LED1X4900 G197 T830 DPRZ LO3	36.8	122	4491	3000	1717	77	68	3.4
MGSER LED1X3000 G198 T830 DPRZ LO1	21.3	130	2765	3000	1997	77	68	4
MGSER LED1X4100 G199 T830 DPRZ LO2	29.6	128	3782	3000	1997	77	68	4
MGSER LED1X5700 G200 T830 DPRZ LO3	429	122	5240	3000	1997	77	68	4
MGSER LED1X3450 G201 T830 DPRZ LO1	23.8	133	3160	3000	2277	77	68	4.3
MGSER LED1X4700 G202 T830 DPRZ LO2	33.8	128	4322	3000	2277	77	68	4.3
MGSER LED1X6500 G203 T830 DPRZ LO3	48.5	123	5988	3000	2277	77	68	4.3
MGSER LED1X3900 G204 T830 DPRZ LO1	26.8	133	3555	3000	2557	77	68	5.4
MGSER LED1X5300 G205 T830 DPRZ LO2	38	128	4862	3000	2557	77	68	5.4
MGSER LED1X7300 G206 T830 DPRZ LO3	54.6	123	6737	3000	2557	77	68	5.4
MGSER LED1X4500 G207 T830 DPRZ LO1	31.3	133	4148	3000	2977	77	68	5.8
MGSER LED1X6150 G208 T830 DPRZ LO2	44.3	128	5673	3000	2977	77	68	5.8
MGSER LED1X8550 G209 T830 DPRZ LO3	63.6	123	7860	3000	2977	77	68	5.8

MG Lites, 4 Denaby Lane Industrial Estate, Coalpit Road, Denaby, Doncaster, South Yorkshire, DN12 4LH

Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGSER LED1X900 G183 T840 DPRZ LO1	6.8	122	833	4000	597	77	68	1.5
MGSER LED1X1200 G184 T840 DPRZ LO2	9.7	117	1139	4000	597	77	68	1.5
MGSER LED1X1650 G185 T840 DPRZ LO3	13.3	119	1578	4000	597	77	68	1.5
MGSER LED1X1300 G186 T840 DPRZ LO1	10.3	122	1249	4000	877	77	68	2
MGSER LED1X1800 G187 T840 DPRZ LO2	13.7	125	1708	4000	877	77	68	2
MGSER LED1X2450 G188 T840 DPRZ LO3	18.8	126	2367	4000	877	77	68	2
MGSER LED1X1750 G189 T840 DPRZ LO1	12.9	129	1666	4000	1157	77	68	2.5
MGSER LED1X2350 G190 T840 DPRZ LO2	17.3	132	2278	4000	1157	77	68	2.5
MGSER LED1X3250 G191 T840 DPRZ LO3	24.5	129	3156	4000	1157	77	68	2.5
MGSER LED1X2150 G192 T840 DPRZ LO1	16.1	129	2082	4000	1437	77	68	2.9
MGSER LED1X2950 G193 T840 DPRZ LO2	21.6	132	2847	4000	1437	77	68	2.9
MGSER LED1X4100 G194 T840 DPRZ LO3	30.6	129	3945	4000	1437	77	68	2.9
MGSER LED1X2600 G195 T840 DPRZ LO1	18.3	137	2498	4000	1717	77	68	3.4
MGSER LED1X3550 G196 T840 DPRZ LO2	25.3	135	3417	4000	1717	77	68	3.4
MGSER LED1X4900 G197 T840 DPRZ LO3	36.8	129	4734	4000	1717	77	68	3.4
MGSER LED1X3000 G198 T840 DPRZ LO1	21.3	137	2915	4000	1997	77	68	4
MGSER LED1X4100 G199 T840 DPRZ LO2	29.6	135	3986	4000	1997	77	68	4
MGSER LED1X5700 G200 T840 DPRZ LO3	429	129	5523	4000	1997	77	68	4
MGSER LED1X3450 G201 T840 DPRZ LO1	23.8	140	3331	4000	2277	77	68	4.3
MGSER LED1X4700 G202 T840 DPRZ LO2	33.8	135	4556	4000	2277	77	68	4.3
MGSER LED1X6500 G203 T840 DPRZ LO3	48.5	130	6312	4000	2277	77	68	4.3
MGSER LED1X3900 G204 T840 DPRZ LO1	26.8	140	3748	4000	2557	77	68	5.4
MGSER LED1X5300 G205 T840 DPRZ LO2	38	135	5125	4000	2557	77	68	5.4
MGSER LED1X7300 G206 T840 DPRZ LO3	54.6	130	7101	4000	2557	77	68	5.4
MGSER LED1X4500 G207 T840 DPRZ LO1	31.3	140	4372	4000	2977	77	68	5.8
MGSER LED1X6150 G208 T840 DPRZ LO2	44.3	135	5980	4000	2977	77	68	5.8
MGSER LED1X8550 G209 T840 DPRZ LO3	63.6	130	8285	4000	2977	77	68	5.8

MG Lites, 4 Denaby Lane Industrial Estate, Coalpit Road, Denaby, Doncaster, South Yorkshire, DN12 4LH

Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGSER LED1X900 G183 T830 DPRZ LT80 LO1	6.8	101	691	3000	597	77	68	1.5
MGSER LED1X1200 G184 T830 DPRZ LT80 LO2	9.7	97	945	3000	597	77	68	1.5
MGSER LED1X1650 G185 T830 DPRZ LT80 LO3	13.3	99	1310	3000	597	77	68	1.5
MGSER LED1X1300 G186 T830 DPRZ LT80 LO1	10.3	101	1037	3000	877	77	68	2
MGSER LED1X1800 G187 T830 DPRZ LT80 LO2	13.7	103	1418	3000	877	77	68	2
MGSER LED1X2450 G188 T830 DPRZ LT80 LO3	18.8	105	1965	3000	877	77	68	2
MGSER LED1X1750 G189 T830 DPRZ LT80 LO1	12.9	107	1383	3000	1157	77	68	2.5
MGSER LED1X2350 G190 T830 DPRZ LT80 LO2	17.3	110	1891	3000	1157	77	68	2.5
MGSER LED1X3250 G191 T830 DPRZ LT80 LO3	24.5	107	2620	3000	1157	77	68	2.5
MGSER LED1X2150 G192 T830 DPRZ LT80 LO1	16.1	107	1728	3000	1437	77	68	2.9
MGSER LED1X2950 G193 T830 DPRZ LT80LO2	21.6	110	2364	3000	1437	77	68	2.9
MGSER LED1X4100 G194 T830 DPRZ LT80 LO3	30.6	107	3275	3000	1437	77	68	2.9
MGSER LED1X2600 G195 T830 DPRZ LT80 LO1	18.3	114	2074	3000	1717	77	68	3.4
MGSER LED1X3550 G196 T830 DPRZ LT80 LO2	25.3	112	2836	3000	1717	77	68	3.4
MGSER LED1X4900 G197 T830 DPRZ LT80 LO3	36.8	107	3930	3000	1717	77	68	3.4
MGSER LED1X3000 G198 T830 DPRZ LT80 LO1	21.3	114	2419	3000	1997	77	68	4
MGSER LED1X4100 G199 T830 DPRZ LT80 LO2	29.6	112	3309	3000	1997	77	68	4
MGSER LED1X5700 G200 T830 DPRZ LT80 LO3	429	107	4585	3000	1997	77	68	4
MGSER LED1X3450 G201 T830 DPRZ LT80 LO1	23.8	116	2765	3000	2277	77	68	4.3
MGSER LED1X4700 G202 T830 DPRZ LT80 LO2	33.8	112	3782	3000	2277	77	68	4.3
MGSER LED1X6500 G203 T830 DPRZ LT80 LO3	48.5	108	5240	3000	2277	77	68	4.3
MGSER LED1X3900 G204 T830 DPRZ LT80 LO1	26.8	116	3111	3000	2557	77	68	5.4
MGSER LED1X5300 G205 T830 DPRZ LT80 LO2	38	112	4255	3000	2557	77	68	5.4
MGSER LED1X7300 G206 T830 DPRZ LT80 LO3	54.6	108	5895	3000	2557	77	68	5.4
MGSER LED1X4500 G207 T830 DPRZ LT80 LO1	31.3	116	3629	3000	2977	77	68	5.8
MGSER LED1X6150 G208 T830 DPRZ LT80 LO2	44.3	112	4964	3000	2977	77	68	5.8
MGSER LED1X8550 G209 T830 DPRZ LT80 LO3	63.6	108	6877	3000	2977	77	68	5.8

MG Lites, 4 Denaby Lane Industrial Estate, Coalpit Road, Denaby, Doncaster, South Yorkshire, DN12 4LH

Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGSER LED1X900 G183 T840 DPRZ LT80 LO1	6.8	106	729	4000	597	77	68	1.5
MGSER LED1X1200 G184 T840 DPRZ LT80 LO2	9.7	103	997	4000	597	77	68	1.5
MGSER LED1X1650 G185 T840 DPRZ LT80 LO3	13.3	104	1381	4000	597	77	68	1.5
MGSER LED1X1300 G186 T840 DPRZ LT80 LO1	10.3	106	1093	4000	877	77	68	2
MGSER LED1X1800 G187 T840 DPRZ LT80 LO2	13.7	109	1495	4000	877	77	68	2
MGSER LED1X2450 G188 T840 DPRZ LT80 LO3	18.8	110	2071	4000	877	77	68	2
MGSER LED1X1750 G189 T840 DPRZ LT80 LO1	12.9	113	1457	4000	1157	77	68	2.5
MGSER LED1X2350 G190 T840 DPRZ LT80 LO2	17.3	115	1993	4000	1157	77	68	2.5
MGSER LED1X3250 G191 T840 DPRZ LT80 LO3	24.5	113	2762	4000	1157	77	68	2.5
MGSER LED1X2150 G192 T840 DPRZ LT80 LO1	16.1	113	1822	4000	1437	77	68	2.9
MGSER LED1X2950 G193 T840 DPRZ LT80 LO2	21.6	115	2492	4000	1437	77	68	2.9
MGSER LED1X4100 G194 T840 DPRZ LT80 LO3	30.6	113	3452	4000	1437	77	68	2.9
MGSER LED1X2600 G195 T840 DPRZ LT80 LO1	18.3	120	2186	4000	1717	77	68	3.4
MGSER LED1X3550 G196 T840 DPRZ LT80 LO2	25.3	118	2990	4000	1717	77	68	3.4
MGSER LED1X4900 G197 T840 DPRZ LT80 LO3	36.8	113	4142	4000	1717	77	68	3.4
MGSER LED1X3000 G198 T840 DPRZ LT80 LO1	21.3	120	2550	4000	1997	77	68	4
MGSER LED1X4100 G199 T840 DPRZ LT80 LO2	29.6	118	1488	4000	1997	77	68	4
MGSER LED1X5700 G200 T840 DPRZ LT80 LO3	429	113	4833	4000	1997	77	68	4
MGSER LED1X3450 G201 T840 DPRZ LT80 LO1	23.8	122	2915	4000	2277	77	68	4.3
MGSER LED1X4700 G202 T840 DPRZ LT80 LO2	33.8	118	3986	4000	2277	77	68	4.3
MGSER LED1X6500 G203 T840 DPRZ LT80 LO3	48.5	114	5523	4000	2277	77	68	4.3
MGSER LED1X3900 G204 T840 DPRZ LT80 LO1	26.8	122	3279	4000	2557	77	68	5.4
MGSER LED1X5300 G205 T840 DPRZ LT80 LO2	38	118	4485	4000	2557	77	68	5.4
MGSER LED1X7300 G206 T840 DPRZ LT80 LO3	54.6	114	6213	4000	2557	77	68	5.4
MGSER LED1X4500 G207 T840 DPRZ LT80 LO1	31.3	122	3826	4000	2977	77	68	5.8
MGSER LED1X6150 G208 T840 DPRZ LT80 LO2	44.3	118	5232	4000	2977	77	68	5.8
MGSER LED1X8550 G209 T840 DPRZ LT80 LO3	63.6	114	7249	4000	2977	77	68	5.8

MG Lites, 4 Denaby Lane Industrial Estate, Coalpit Road, Denaby, Doncaster, South Yorkshire, DN12 4LH

Options

OPTION	CODE
Driver with DALI interface	DALI
Integrated smart sensor and driver with wireless communication and grouping possibilities for lighting control (housing 65mm longer)	EAIR
Integrated self learning sensor and driver for lighting control (housing 65mm longer)	ACT+
Integrated light source and driver for tuneable white control 2700-6500K	TW*
Emergency version 3 hours	EM3
Emergency version equipped with autonomous testing system 3 hours	EM3A
Emergency version 3 hours with DALI interface	EM3D
5 pole terminal block in the middle of luminaire for easy through wiring (lengths up to 800mm)	5TB
Through wiring for 3x1.5mm ² with two push in terminal blocks (lengths up to 1700mm)	1LIN
Through wiring for 5x1.5mm ² with two push in terminal blocks (lengths up to 1700mm)	3LIN
For in-line connection -end/first luminaire (lengths 587/ 867/ 1147/ 1427/ 1707/ 1987/ 2267/ 2547/ 2967mm)	L
For in-line connection - intermediate luminaire (lengths 577/ 857/ 1137/ 1417/ 1697/ 1977/ 2257/ 2537/ 2957mm)	LL
Opal diffuser with high light transmission	OP
De-glaring micro-prismatic diffuser	DPRZ
De-glaring micro-prismatic diffuser with matt light scattering layer.	DPRZ LT80
Light output level 1	LO1
Light output level 2	LO2
Light output level 3	LO3
IP44 (not applicable for L and LL versions)	IP44

*Note: please request special models with options EAIR, ACT+ and TW

