MGPRO

Description

The MGPRO is a waterproof IP66 LED luminaire with acrylic opal diffuser for use in food industry and aggressive environments where specialised cleaning agents are used.

Environment

Outdoor/Indoor

Installation

Designed to be surface mounted or suspended

Application

Suitable for industry, food processing areas, agriculture, warehouses and other similar applications

5YR Warranty | IP66 Protection | 100,000hr Lifetime | IK06 Toughness

General Data

Voltage	AC220-240V 50-60Hz
Power Factor	>0.95
Light Source	LED
LED Lifetime	100,000hrs/ L80B50
Operating temperature	-20°C to 35°C
Materials	Opal acrylic diffuser, UV Stabilised, for exposure to severe atmospheric conditions Light grey thermoplastic body for exposure to severe atmospheric conditions Sheet steel gear tray, white finish
Installation	Surface or suspended

Light Data

Lumens per Watt	163-171lm/W
-Light Source	LED
CRI	80
Light Distribution	Direct

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

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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
MGPRO LED1X1600 G482 T830 OP LT80	10	148	1481	3000	662	96	111	1.3
MGPRO LED1X2150 G483 T830 OP LT80	13.9	146	2076	3000	662	96	111	1.3
MGPRO LED1X2850 G484 T830 OP LT80	18.2	147	2687	3000	662	96	111	1.3
MGPRO LED2X2150 G485 T830 OP LT80	25.9	156	4052	3000	662	146	111	1.8
MGPRO LED1X2850 G486 T830 OP LT80	18.5	146	2701	3000	1272	96	111	2.1
MGPRO LED1X3750 G487 T830 OP LT80	22.3	158	3523	3000	1272	96	111	2.1
MGPRO LED1X4600 G488 T830 OP LT80	27.8	155	4322	3000	1272	96	111	2.1
MGPRO LED1X5400 G489 T830 OP LT80	33.7	151	5094	3000	1272	96	111	2.1
MGPRO LED1X7150 G490 T830 OP LT80	43.7	155	6792	3000	1272	96	111	2.1
MGPRO LED1X9650 G491 T830 OP LT80	57.3	158	9086	3000	1272	96	111	2.1
MGPRO LED2X5700 G492 T830 OP LT80	65.7	163	10694	3000	1272	146	111	2.8
MGPRO LED1X4500 G493 T830 OP LT80	28.7	149	4267	3000	1572	96	111	2.6
MGPRO LED1X5700 G494 T830 OP LT80	34.4	157	5403	3000	1572	96	111	2.6
MGPRO LED1X6750 G495 T830 OP LT80	41.1	155	6368	3000	1572	96	111	2.6
MGPRO LED1X9000 G496 T830 OP LT80	54.8	155	8490	3000	1572	96	111	2.6
MGPRO LED1X12050 G497 T830 OP LT80	70.9	160	11358	3000	1572	96	111	2.6
MGPRO LED2X7100 G498 T830 OP LT80	82.2	163	13367	3000	1572	146	111	3.3
MGPRO LED1X1600 G482 T840 OP LT80	10	156	1561	4000	662	96	111	1.3
MGPRO LED1X2150 G483 T840 OP LT80	13.9	154	2136	4000	662	96	111	1.3
MGPRO LED1X2850 G484 T840 OP LT80	18.2	155	2833	4000	662	96	111	1.3
MGPRO LED2X2150 G485 T840 OP LT80	25.9	165	4271	4000	662	146	111	1.8
MGPRO LED1X2850 G486 T840 OP LT80	18.5	154	2847	4000	1272	96	111	2.1
MGPRO LED1X3750 G487 T840 OP LT80	22.3	166	3713	4000	1272	96	111	2.1
MGPRO LED1X4600 G488 T840 OP LT80	27.8	164	4556	4000	1272	96	111	2.1
MGPRO LED1X5400 G489 T840 OP LT80	33.7	159	5370	4000	1272	96	111	2.1
MGPRO LED1X7150 G490 T840 OP LT80	43.7	164	7160	4000	1272	96	111	2.1
MGPRO LED1X9650 G491 T840 OP LT80	57.3	167	9577	4000	1272	96	111	2.1

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MG Lites
Energy Saving Solutions

Product Variants

Product Code	System Power (W)	System efficacy (lm/W)	Lumens (lm)	CCT (K)	Length mm	Width mm	Height mm	Weight kg
MGPRO LED2X5700 G492 T840 OP LT80	65.7	171	11272	4000	1272	146	111	2.8
MGPRO LED1X4500 G493 T840 OP LT80	28.7	157	4498	4000	1572	96	111	2.6
MGPRO LED1X5700 G494 T840 OP LT80	34.4	166	5695	4000	1572	96	111	2.6
MGPRO LED1X6750 G495 T840 OP LT80	41.1	163	6712	4000	1572	96	111	2.6
MGPRO LED1X9000 G496 T840 OP LT80	54.8	163	8949	400	1572	96	111	2.6
MGPRO LED1X12050 G497 T840 OP LT80	70.9	169	11972	4000	1572	96	111	2.6
MGPRO LED2X7100 G498 T840 OP LT80	82.2	171	14090	4000	1572	146	111	3.3

Options

OPTION	CODE
Driver with DALI interface and switch control dimming	DALI
Driver with corridor function (never off)	COR
Driver with corridor function (switch off after 1 min)	COR1min
Driver with corridor function (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
5 pole terminal block in the middle of luminaire for easy through wiring (lengths up to 800mm)	5TB
Through wiring 3x1.5mm^2 with two push in terminals	iLIN
Through wiring 5x1.5mm^2 with two push in terminals	3LIN
Through wiring 3x2.5mm^2 with two push in terminals	1LIN2.5
Through wiring 5x2.5mm^2 with two push in terminals	3LIN2.5
Opal diffuser with high light transmission	OP LT80
Integrated microwave sensor with on-off control	MW
Integrated microwave sensor with integrated RF (radio wave) transceiver. Sensor can serve as both master and slave. Dimming control	MWRFM+
Integrated microwave sensor with integrated RF (radio wave) transceiver. Sensor can serve as both master and slave. No dimming control	MWRFM+OFF
Integrated microwave sensor with integrated RF (radio wave) transceiver. Sensor can serve as master. Dimming control	MWRFM
Integrated microwave sensor with integrated RF (radio wave) transceiver. Sensor can serve as slave. Dimming control	MWRFS+
Integrated microwave sensor with integrated RF (radio wave) transceiver. Sensor can serve as slave. No dimming control	MWRFS+OFF
Integrated microwave sensor with integrated RF (radio wave) transceiver. Sensor can serve as slave. No dimming control	MWRFS

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Chemical resistance table

Environment	Max. concentration	Proof LED diffuser resistance			Proof LED body resistance		
		yes	partially	no	yes	partially	no
Aceton (ketones)				■			■
Aniline				■	•		■
Ammonia	5%	■			■		
Benzene and Benzaldehyde				■			■
Diethylether (ethers)			■				■
Potassium nitrate		■					
Ethanol(alcohols)	50%		■			■	
Ethylacetate (esters)				■	•		■
Ethyl alcohol			■		■		
Phenol				■			■
Glycerine		■	■				
Heptane	•						■
Ammonium hydroxide	25%					■	
Sodium hydroxide-base	60%	■			■		
Sodium chloride-salt solution	15%	■			■		
Sulphur chloride and calcium chloride		■					
Carbon tetrachloride and Chloric ether				■	•		■
Iron dichloride		■					
Arsenic acid and Oleic acid		■			■		
Citric acid	20%	■			■		
Nitric acid	20%		■			■	
Nitric acid	50%			■	•		■
Hydrochloride acid	5%	■			■		
Hydrochloride acid	35%			■		•	■
Chromic acid	40%		■			■	
Formic acid	30%		■				
Acetic acid	10%	■				■	
Sulphuric acid	30%	■				■	
Methanol				■	•		■
Fuel oil			■		■		
Mineral oil		■			■		
Vegetable oil		■			■		
Rape oil		■				■	
Lamp oil			■			■	
Hydrogen peroxide	30%			■		■	
Ammonium sulphate	15%	■			■		
Toluene				■			■
Turpentine oil					■		■
Trichlorethylene				■	•		■
Sodium carbonate	20%	■					
Aliphatic hydrocarbons		■				■	
Aromatic hydrocarbons				■			■
Alkali		■			■		