



DUMBBELL MGS is a robust LED lighting unit designed for reliable performance in harsh environmental and climatic conditions. All components use corrosion-, wear- and impact-resistant materials for a long service life.

Its flexible mounting system supports secure indoor and outdoor installation on walls, ceilings, towers, poles and hard-to-reach locations.

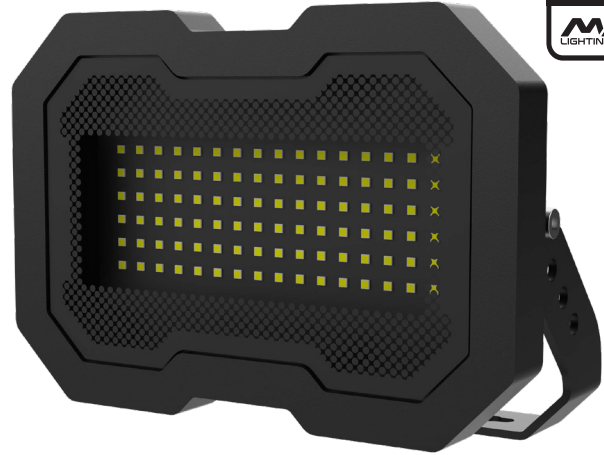
High optical performance delivers the required illumination, while electronic protection supports system safety against voltage surges. The mechanical design withstands impact and demanding operating conditions.

Galvanised metal parts and corrosion- and wear-resistant coatings on fasteners help preserve structural integrity and surface protection over long-term use.

Powered by Nichia LEDs



AC-DIRECT™
ALTERNATING CURRENT DIRECT DRIVER



IP68

NICHIA
LED

10°-90°
120°

AC
⚡

LONG
LIFE

DIMMABLE

IK
09T



CE



ALU.

cos φ 0.98
100% PF

CRI
80+

RoHS

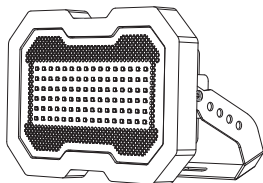
Energy
Saver

no
IR

no
UV

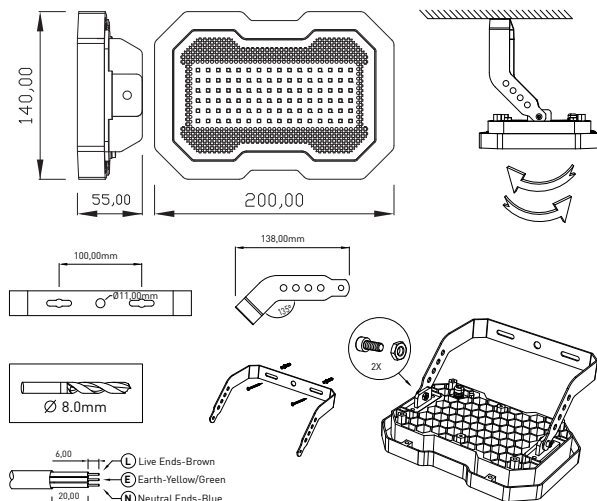


General Information



Model / variant	MGS-100A	MGS-100AL	MGS-100D	MGS-100DL
Product number	27M002038	27M002039	27M002040	27M002041
Product type	LED floodlight			
Dimensions - H × W × L	140 × 55 × 200 mm			
Housing / material	Aluminium (AL6063) / Galvanised			
Weight	1.50 kg	1.50 kg	2.00 kg	2.00 kg
Colour / RAL	Black / 9005			
Minimum order	1 unit			

Technical Specifications



Power (@ 240 VAC)	100 W (±5%)			
Input voltage	240 VAC			
Luminous flux	15,000 lm			
Luminous efficacy	150 lm/W			
Beam angle	120°	10°-90°	120°	10°-90°
Colour temperature	2000 ~ 6500 K			
Colour rendering index (CRI)	>80			
Power factor (cos φ)	0.98			
IP rating	IP68			
Operating temperature	-35 °C ~ +65 °C			
Product lifetime	25 Years			
Warranty	5 Years			
LED type / quantity	Nichia SMD 3030 / 96 pcs			
Power supply system	AC Direct™ (A / AL) • External driver (D / DL)			
Power supply brand	MAX	MAX	OEM	OEM
Electrical connection	L / N / PE			
Connection cable	3 × 0.75 mm² × 400 mm H05RN-F			
Compliance / standard	CE, RoHS, TS EN 60598-2-5			
Management systems	ISO 9001 / ISO 14001 / ISO 45001			

Installation, commissioning, maintenance and dismantling require qualified personnel and compliance with applicable electrical and workplace safety rules. The MAX Lighting brand and product patent/design rights belong to STAR ENDÜSTRİ A.Ş. Made in Türkiye with 100% Turkish capital.