



OVERVIEW

Designed to ensure high levels of reliability combined with superb photometric performance, even under the harshest of environments, the **MagFlood** sets a new benchmark in industrial floodlighting. Specialised asymmetric distributions are available to eliminate uplift while a unique fin design and world-class components ensures optimal heat dissipation and a long lifetime. The **MagFlood** is also available with Stainless Steel bracketry and driver compartment for highly corrosive areas.

APPLICATIONS

- Industrial Lighting
- Outdoor Lighting
- Security Lighting
- Area Lighting
- Dusty & Dirty Environments



Made in
South Africa



L90B10
100 000 Hours



IP66
Rated



Rated up to
IK08



Surge Protection
Standard



MAGNITECH
LIGHTING INDUSTRIES

MAGNITECH - BENCHMARKING THE STANDARD
OF **QUALITY**



FEATURES & BENEFITS

STANDARDS:
SANS / IEC 60598-1
SANS / IEC 60598-2-5

LIGHT DISTRIBUTION:
Various light distributions available

LIGHT ENGINE:
High power 5050 LED's

TAMPER-PROOF FRAME:
10 Stainless steel allen head screws

GASKET:
Silicon closed cell gasket ensures IP66 ingress protection

HOUSING:
AC44300 (LM6) Marine Grade Aluminium

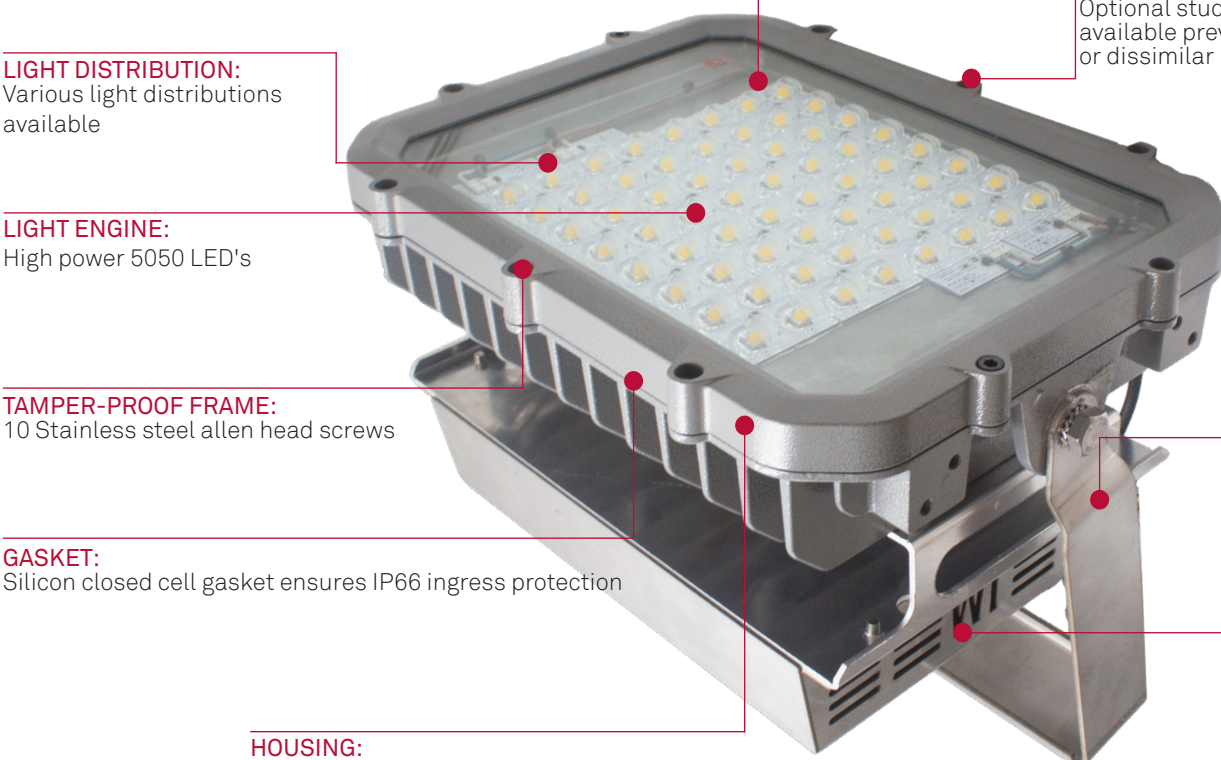
PROTECTOR:
High thermal shock resistant glass

OPTIONAL:
Optional stud & nut version available preventing galvanic or dissimilar metal corrosion

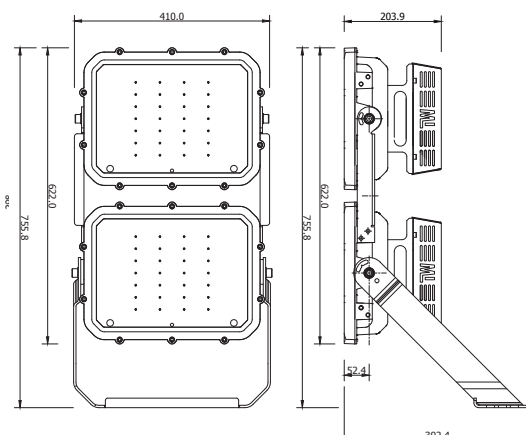
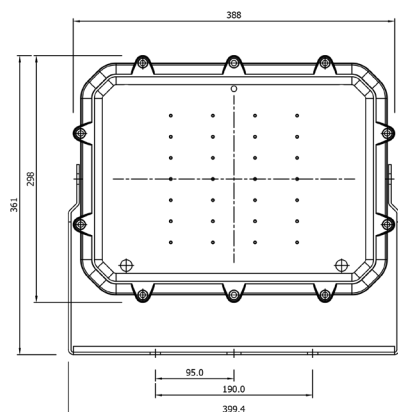
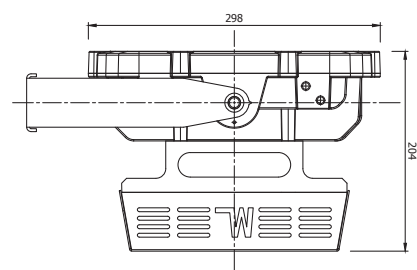
MOUNTING BRACKET:
Stainless Steel bracketry & driver box available for highly corrosive environments

LED DRIVER COMPARTMENT:

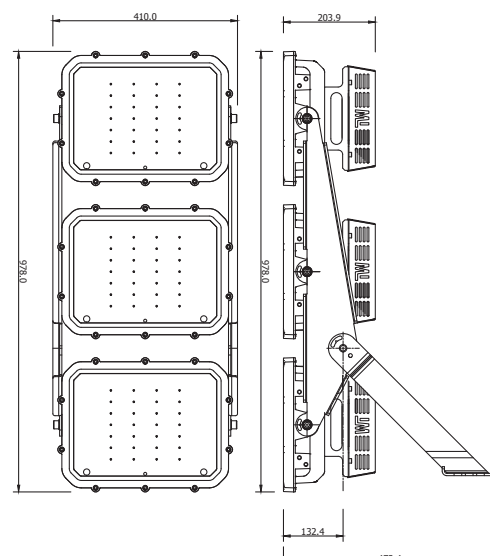
- Removable geartray
- EN approved driver



DIMENSIONS

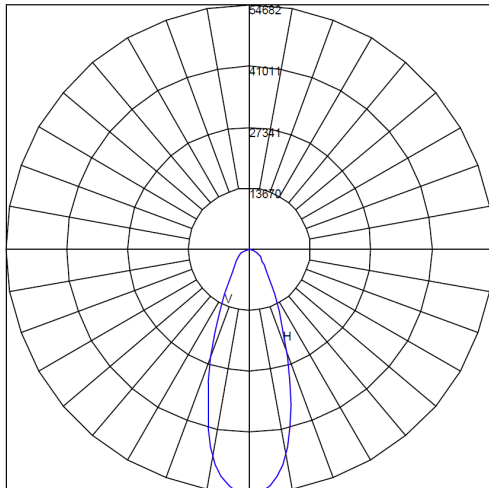


Description	Width	Height	Depth
MAGFLOOD (Single)	400mm	361mm	204mm
MAGFLOOD (Double)	410mm	756mm	204mm
MAGFLOOD (Triple)	410mm	978mm	204mm



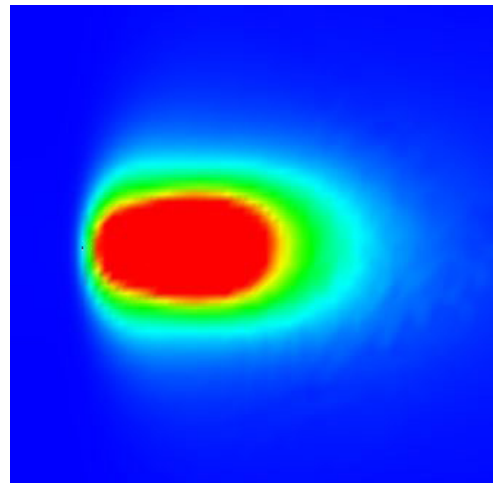
PHOTOMETRIC DATA

IES ROAD REPORT
PHOTOMETRIC FILENAME : MAGFLOOD 300W C14607-30 DEG.IES
AXIAL CANDELA DISPLAY

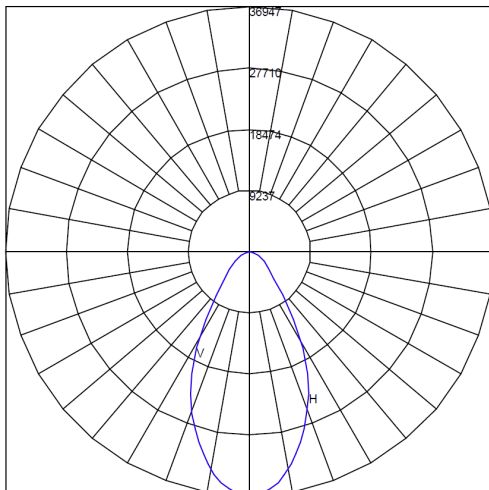


Maximum Candela = 54681.57 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

Typical Light Distribution
Hm = 10m | Tilt = 65°

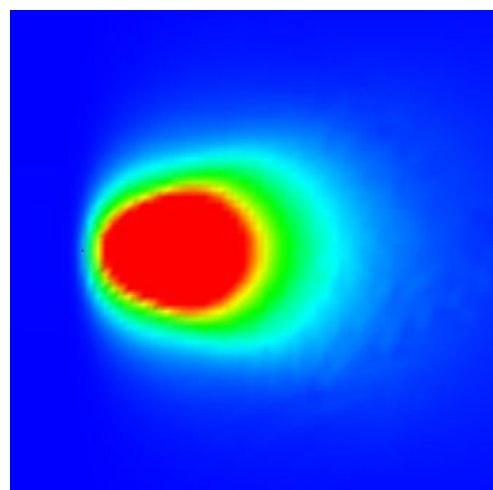


IES ROAD REPORT
PHOTOMETRIC FILENAME : MAGFLOOD 300W C12361-60 DEG.IES
AXIAL CANDELA DISPLAY

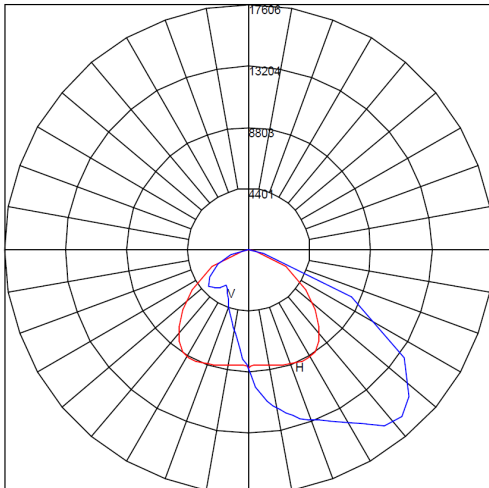


Maximum Candela = 36947.199 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

Typical Light Distribution
Hm = 10m | Tilt = 65°

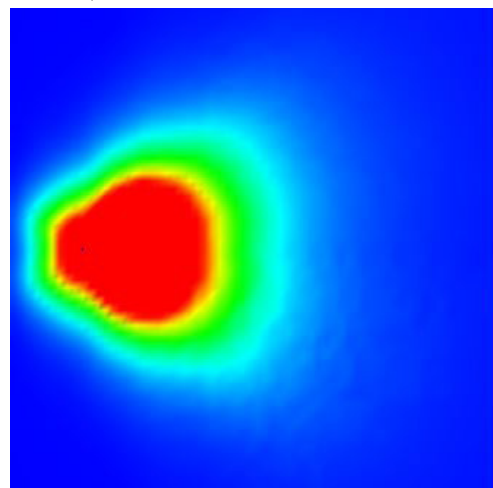


IES ROAD REPORT
PHOTOMETRIC FILENAME : MAGFLOOD 300W C13805-T4 .IES
AXIAL CANDELA DISPLAY



Maximum Candela = 17605.905 Located At Horizontal Angle = 15, Vertical Angle = 42.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

Typical Light Distribution
Hm = 10m | Tilt = 25°



ORDERING DATA

	MAGFLOOD							
PRODUCT CODE	MFLDM0200	MFLDM0240	MFLDM0300	MFLDM0400	MFLDM0480	MFLDM0600	MFLDM720	MFLDM900
NOMINAL WATTAGE	200W	240W	300W	400W	480W	600W	720W	900W
NOMINAL FLUX (LM)	36 956	44 312	47 676	73 912	88 624	95 352	132 936	143 028
NOMINAL EFFICIENCY (LM/W)	174lm/W	166lm/W	163lm/W	174lm/W	166lm/W	163lm/W	166lm/W	163lm/W
*LUMINAIRE OUTPUT FLUX (LM)	29 564lm	35 448lm	38 140lm	59 128lm	70 896lm	76 280lm	106 344	114 420
LUMINAIRE OUTPUT RATIO	139lm/W	133lm/W	130lm/W	139lm/W	133lm/W	130lm/W	133lm/W	130lm/W
NUMBER OF LEDS	64	64	64	128	128	128	192	192
COLOR TEMPERATURE	4000K (STANDARD) 2200K/3000K/5000K/6000K (OPTIONAL)							
LED LIFETIME (HOURS) @ TA 25 °C	L _{90B10} > 100 000 HRS							
CRI	>70 (>80 Optional)							
DIFFUSER	Glass - IK08 (Standard) Polycarbonate - IK10 (Optional)							
NOMINAL INPUT VOLTAGE	220V-240V (STANDARD) 90V-305V (OPTIONAL) 415V (OPTIONAL)							
OPERATING TEMPERATURE	-40°C to 55°C							
SURGE PROTECTION	10kV (Standard) 20kV (Optional)							
IP RATING	IP66							
WEIGHT	10.8KG			22KG			35.4KG	

* Values shown are AFTER both Thermal and Optical losses

Output will vary depending on optics utilised. Performance values are subject to ±5% variance

PRODUCT CODE LOGIC

MFLD	-	XXXXX	-	X	X	X	-	X
Family Name		Wattage		CT	Optics	Mounting		Accessories
		00200 = 200W		2 = 2200K	0 = No Optics (120°)	2 = HDG Trunion Arm (Standard)		0 = Stud & Nut
		00240 = 240W		3 = 3000K	1 = 30°	8 = 316 S/S Trunion Arm & Driver Box		1 = S/S Wire Guard
		00300 = 300W		4 = 4000K	2 = 60°			
		00400 = 400W		5 = 5000K	3 = 90°			
		00480 = 480W		6 = 6000K	4 = T4 Asym			
		00600 = 600W			5 = FT Asym			
		00720 = 720W						
		00900 = 900W						



Due to continuing R&D, the above data may change without prior notice. Please consult us for the latest available options. Warranties subject to our standard terms and conditions of sale. Visit our website for our full product range - www.magnitech.co.za.



MAGNITECH
LIGHTING INDUSTRIES (PTY) LTD



SABS
ISO 9001

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