

FLOODMASTER



MAGNITECH
LIGHTING INDUSTRIES

Modular High-Output
LED Floodlight



SINGLE MODULE

DOUBLE MODULE

TRIPLE MODULE

240W

36,376
lumens

300W

42,477
lumens

480W

72,752
lumens

600W

84,954
lumens

720W

109,128
lumens

900W

127,431
lumens



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Modular LED Floodlight

Built for Large-Scale Illumination.

The FLOODMASTER LED is a modular, high-output floodlighting platform engineered for large-area applications where light control, output and installation flexibility are critical. Built around 240W and 300W modules, the system can be configured as single, dual or triple-module assemblies to deliver output from 36,376 lumens up to 127,431 lumens.

Its lightweight aluminium construction provides efficient thermal management while the adjustable mounting system allows precise aiming through module rotation and curved adjustment slots. This makes FLOODMASTER particularly effective for high masts, stadiums, airports, terminals, power stations and other large outdoor areas where accurate distribution is essential.

A G4 asymmetrical distribution is standard to improve forward throw while limiting unwanted upward light and spill. Optional 30°, 60° and 90° symmetrical distributions extend the range across different mounting heights and application geometries.

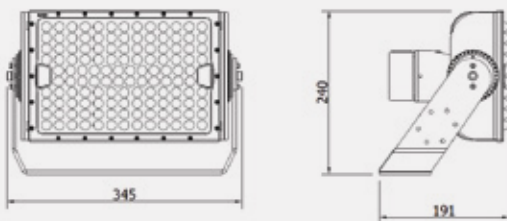


Fit-For-Purpose:

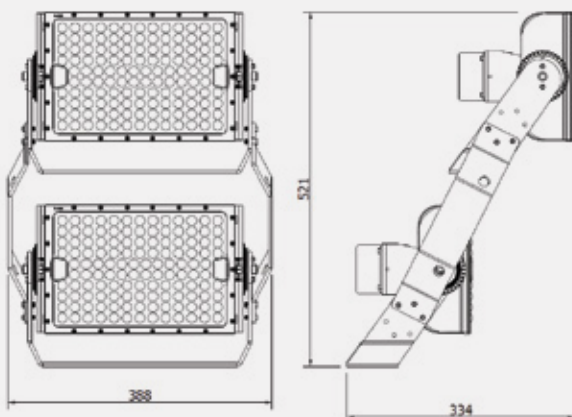
- High-mast lighting
- Stadiums
- Airports
- Aprons
- Parking areas
- Terminals
- Tennis courts
- Power stations
- Commercial parks
- Sporting facilities
- Large-area floodlighting



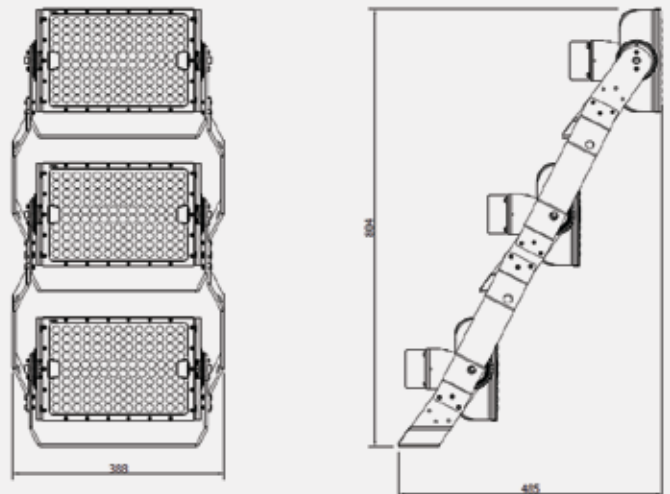
Single Module Dimensions



Double Module Dimensions



Triple Module Dimensions

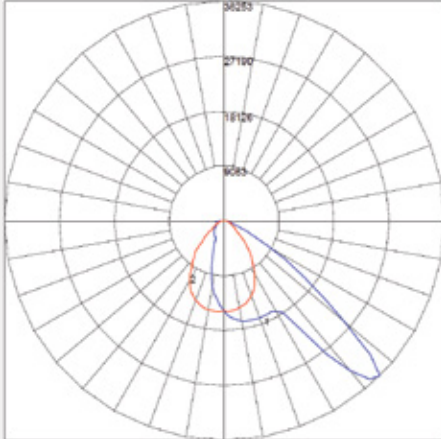




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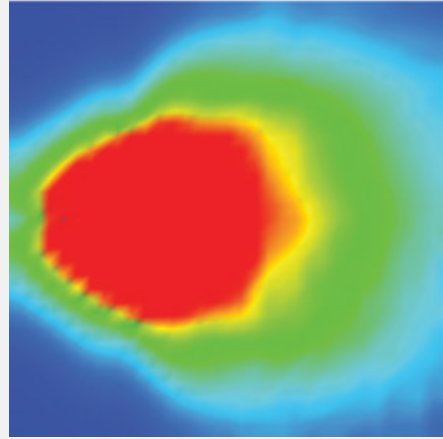
Typical Light Distributions

IES ROAD REPORT
PHOTOMETRIC FILENAME : FLOODMASTER T600-240W-ASYM.IES
POLAR GRAPH

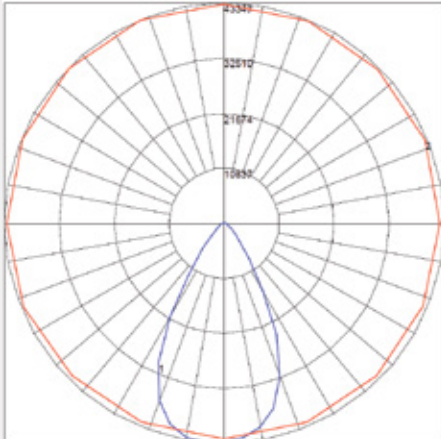


Maximum Candela = 36252.988 Located At Horizontal Angle = 360, Vertical Angle = 45
#1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
#2 - Vertical Plane Through Horizontal Angle (270 - 90)

Pseudo Color iso Illuminance Diagram
Hm = 10m Tilt Angle 35 Deg

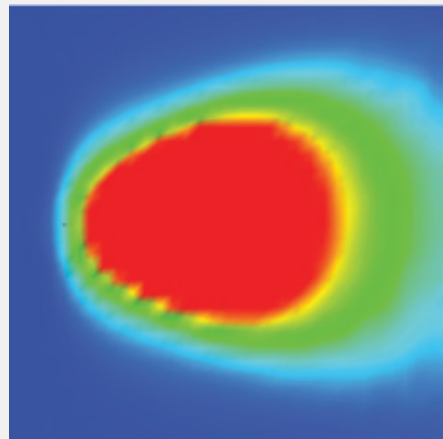


IES ROAD REPORT
PHOTOMETRIC FILENAME : FLOODMASTER T600-240W-60DEG.IES
POLAR GRAPH

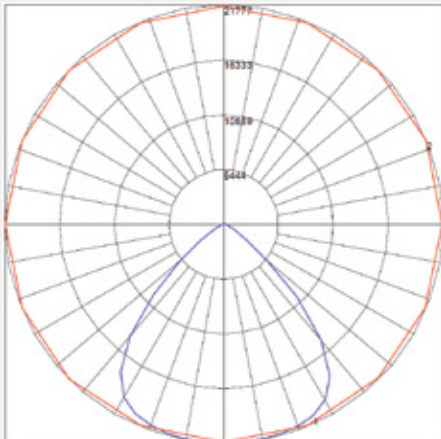


Maximum Candela = 43347.051 Located At Horizontal Angle = 112.5, Vertical Angle = 5
#1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
#2 - Horizontal Cone Through Vertical Angle (5) (Through max. Cd.)

Pseudo Color iso Illuminance Diagram
Hm = 10m Tilt Angle 65 Deg

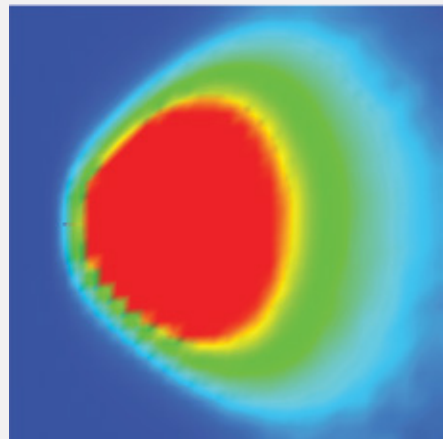


IES ROAD REPORT
PHOTOMETRIC FILENAME : FLOODMASTER T600-240W-90DEG.IES
POLAR GRAPH



Maximum Candela = 21777.301 Located At Horizontal Angle = 22.5, Vertical Angle = 5
#1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
#2 - Horizontal Cone Through Vertical Angle (5) (Through max. Cd.)

Pseudo Color iso Illuminance Diagram
Hm = 10m Tilt Angle 65 Deg



*Other photometric distributions available on request



FEATURE	FLED6240	FLED6300	FLED6480	FLED6600	FLED6720	FLED6900
NOMINAL POWER	240 Watts	300 Watts	480 Watts	600 Watts	720 Watts	900 Watts
LUMINOUS FLUX (LM)	UP TO 36,376	UP TO 42,477	UP TO 72,752	UP TO 84,954	UP TO 109,128	UP TO 127,431
LUMINOUS EFFECIENCY (LM/W)	UP TO 152	UP TO 142	UP TO 152	UP TO 142	UP TO 152	UP TO 142
BEAM ANGLES	G4 ASYMMETRICAL (STANDARD) 30° / 60° / 90° SYMMETRICAL (OPTIONAL)					
COLOR TEMPERATURE	5000K (STANDARD) 2700K / 3000K / 4000K / 6500K (OPTIONAL)					
LED LIFETIME (HOURS) @ TA 25 °C	L80B10 > 98 000 HRS					
CRI	>70					
DIFFUSER	Polycarbonate - IK10					
NOMINAL INPUT VOLTAGE	AC 100-240V 277V ~ 50/60Hz 220-240V ~ 50Hz (90-305V & 415V ON REQUEST)					
OPERATING TEMPERATURE	-40°C to 60°C					
SURGE PROTECTION	6kV (Standard) 10Kv / 20kV (Optional)					
IP RATING	IP66					
WEIGHT (BOX)	5.5KG	6KG	11KG	12KG	16.5KG	18KG

* 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

FLED	A	XXXX	-	X	X
FAMILY NAME	AUSTRALIA	WATTAGE		CCT	OPTICS
		6240 = 240W		2 = 2700K	0 = No Optics
		6300 = 300W		3 = 3000K	1 = 30°
		4800 = 480W		4 = 4000K	2 = 60°
		6000 = 600W		5 = 5000K	3 = 90°
		7200 = 7200W		6 = 6500K	4 = G4 Asymmetrical
		9000 = 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.

Related Products



MAGFLOOD



SPECTRALED
GEN II



MAGIS

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MAGNITECH
LIGHTING INDUSTRIES

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