

LED AREA FLOOD LIGHTING

SPORTS LIGHTING

MAHA

series



MAHA neo from Lighting Technology International is the new standard for high mast lighting. Powerful LED and reflector technology results in an advanced product with unrivalled efficacy and efficiency.



LIGHTING
TECHNOLOGY

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LED AREA FLOOD LIGHTING

MAHA series



UNRIVALED EFFICACY

The MAHA series harnesses the reflector technology to produce unrivaled efficiency and efficacy, up to 145lm/W.

COOLING TECHNOLOGY

With quality heat sinks, high grade aluminium and an intelligent design to promote natural convection the Maha series extends its life way beyond the norm.

OUTSTANDING DURABILITY

Designed with corrosion, weathering and rough handling in mind the Maha series undergoes a variety of stress tests to ensure it meets all are requirements needsand more.

POWERFUL LED AND REFLECTER TECHNOLOGY

The Maha series utilises a unique reflector technology to distribute light which improves not only efficacy but also allows the Maha to be aimed with extreme accuracy.

EXCELLENT LIGHT DISTRIBUTION

Throughout the different models and specifications of the Maha series there is a variety of beam distributions all which have been designed to maximise illumination while minimising light pollution and glare.

OPTIMISED FOR WIRELESS CONTROL

Each Maha is capable being controlled wirelessly. As the Maha is an LED this means not only can it be remotely turned on and off but also dimming up and down. This cuts down on infrastructure costs

REPLACEMENT FOR HID FLOODLIGHT

The Maha series was designed specifically to replace its metal halide counterpart while providing a 60% reduction in ongoing power costs.

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APPLICATIONS

Thanks to the MAHA's unrivaled performance and longevity, along with the range of models in the series, it can be utilised in a range of vastly different settings.



MINING



**AIRPORT
APRONS**



HARBOURS



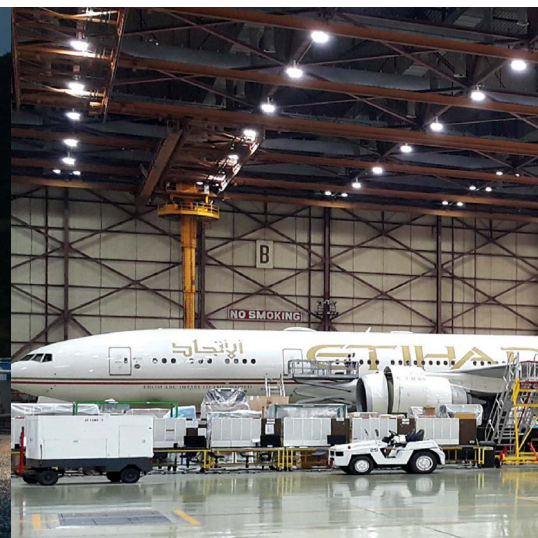
**OUTDOOR
SPORTS**



**AIRPLANE
HANGARS**



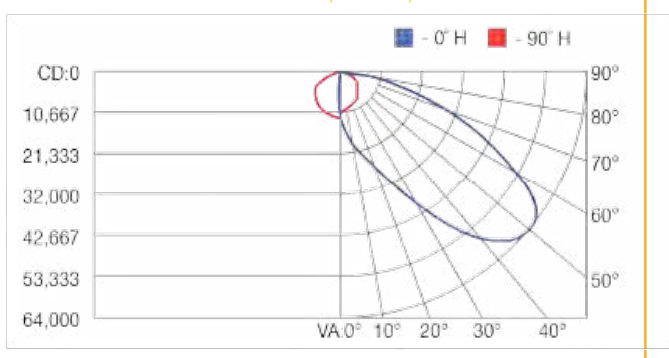
**PARKING
LOTS**



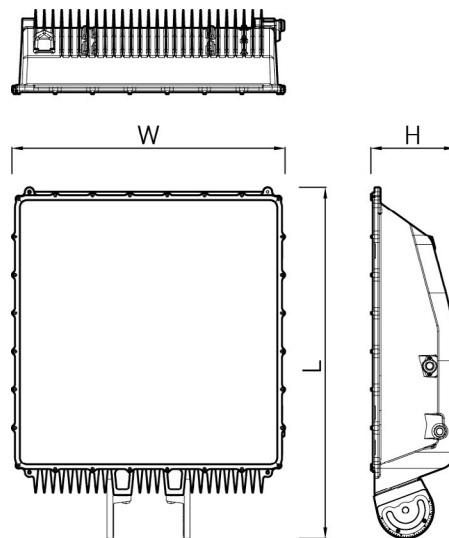
MAHA series MAN 600W



PHOTOMETRY DATA (5000K)



DIMENSIONS

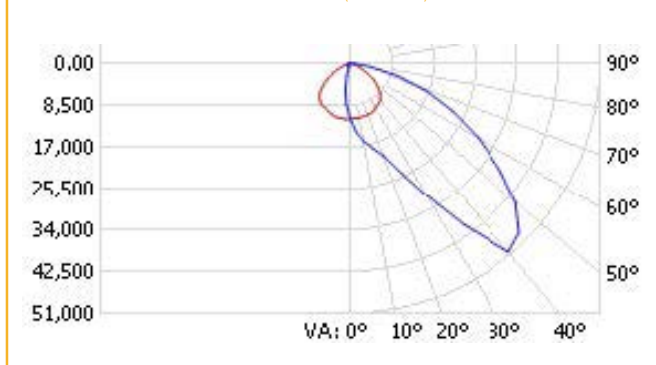


SIZE (W X L X H) 24.7 x 31.7 x 7.6 (inch)
629 x 807.5 x 193.5 (mm)

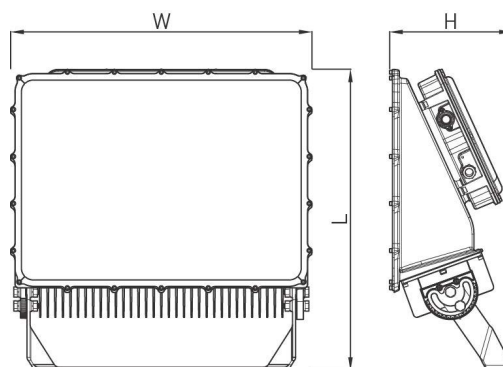
MAHA series MA 400W



PHOTOMETRY DATA (5000K)



DIMENSIONS



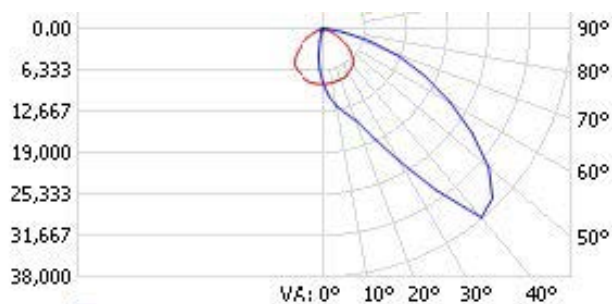
SIZE (W X L X H) 30.9 x 13.0 x 4.5 (inch)
786.2 x 330.6 x 113.8 (mm)

MAHA series - models MAN600 / MA400 / MA300 / MA200 / MA150

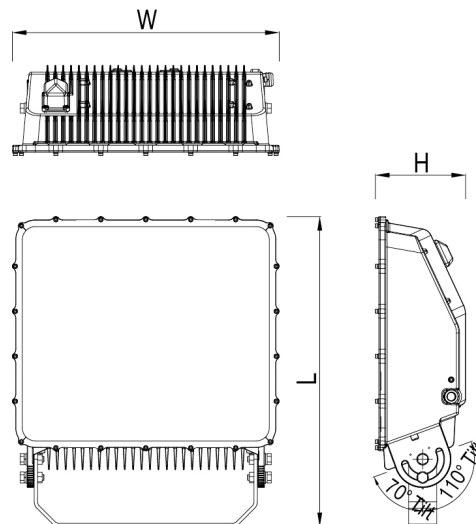
MAHA series MA 300W



PHOTOMETRY DATA (5000K)



DIMENSIONS

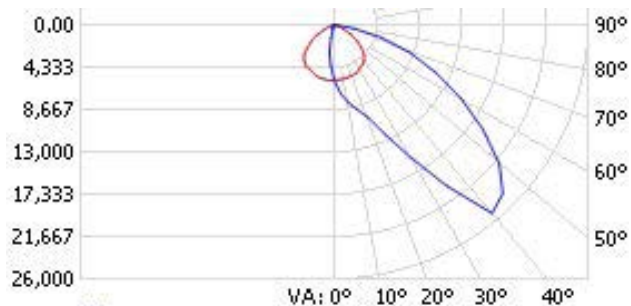


SIZE (W X L X H) 23.9 x 13.0 x 4.5 (inch)
607.2 x 330.6 x 113.8 (mm)

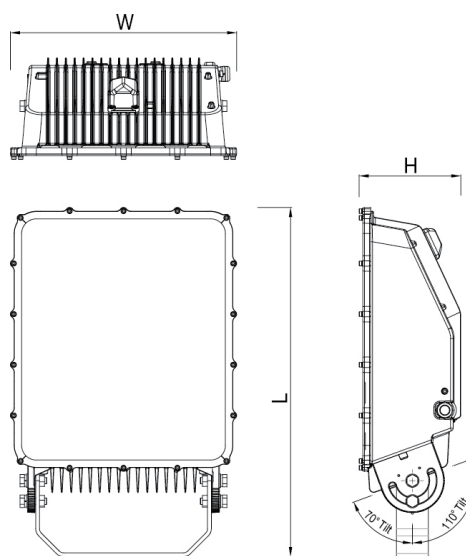
MAHA series MA 200W



PHOTOMETRY DATA (5000K)



DIMENSIONS



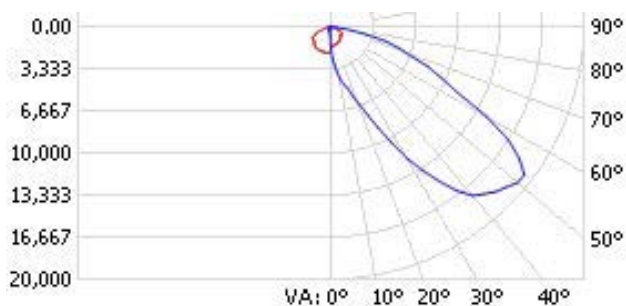
SIZE (W X L X H) 16.8 x 13.0 x 4.5 (inch)
426.2 x 330.6 x 113.8 (mm)

MAHA neo series - models MAN600 / MA400 / MA300 / MA200 / MA150

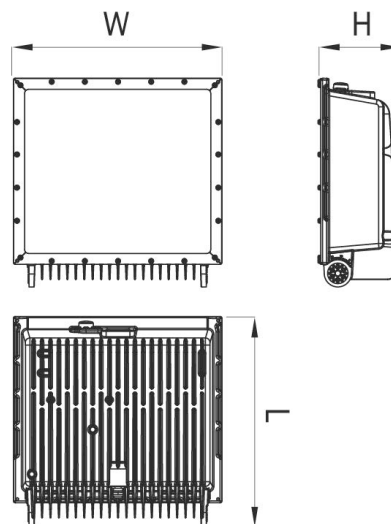
MAHA series MA 150W



PHOTOMETRY DATA (5000K)



DIMENSIONS



SIZE (W X L X H) 13.7 x 13.7 x 5.2 (inch)
347.5 x 347.5 x 132 (mm)



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SPECIFICATIONS

Model Name	MAN600	MA400	MA300	MA200	MA150
Power Consumption	600W	400W	300W	200W	150W
Light Source	0.2 Mid Power LED Chips				
CCT	5000K (4000K / 3000K available)				
Luminous Flux *	78,000 lm	52,000 lm	39,000 lm	26,000 lm	19,500 lm
Luminous Efficacy *	145 lm/W	145 lm/W	145 lm/W	145 lm/W	145 lm/W
CRI	80 Ra	80 Ra	80 Ra	80 Ra	80 Ra
LED Driving Current	78.13 mA	71.4 mA	71.4 mA	71.4 mA	71.4 mA
Light Distribution	Asymmetric Wide				
BUG Rating	B3 - U3 - G5	B3 - U2 - G4			B1 - U3 - G3
LED Chip Manufacturer	LG	SAMSUNG			LG/SAMSUNG
Input Voltage	200~ 277 Vac	100 ~ 240 Vac 100 ~ 277 Vac	100 ~ 240 Vac 100 ~ 277 Vac 347 ~ 480 Vac	100 ~ 240 Vac 100 ~ 277 Vac 347 ~ 480 Vac	100 ~ 240 Vac 100 ~ 277 Vac
Input Current	Max. 3.5A(@200Vac)	Max. 5.0A(@100Vac)	Max. 4.0A(@100Vac)	Max. 2.5A(@100Vac)	Max.2.0A(@100Vac)
	NA	NA	Max. 1.2A(@347Vac)	Max. 0.75A(@347Vac)	NA
Power Factor	≥ 0.9 at Max load				
Frequency	50 / 60 Hz				
Surge Protection	Line – Line 20kV , Line – FG 20kV				
Driver Type	Constant Current (CC)				
Fixture Manufacturer	KMW INC. / Made in Korea				
Size (L x W x H)	24.7 x 31.7 x 7.6 inch	22.7 x 22.7 x 9.3 inch	18.7 x 21.7 x 6.3 inch	14.1 x 21.7 x 6.3 inch	13.7 x 13.7 x 5.2 inch
	629 x 807.5 x 193.5mm	577 x 577 x 235mm	475 x 551.5 x 160.5mm	357 x 551.5 x 160.5mm	347.5 x 347 x 132mm
Weight (Driver Included)	61.7 lb / 28.0 kg	44.0 lb / 20.0 kg	33.1 lb / 15.0 kg	22.1 lb / 10.0 Kg	16.6 lb / 7.5 Kg
Material	Body	Cast Aluminum			
	Optic	Silver Coating Reflector			
	Cover	Tempered Glass 4.0T (Clear)			
Finish	Powder Coating				
IP Rating	IK Rating	IP66 / -			
Operating Temperature	-22°F ~ 131°F	-22°F ~ 127°F	-22°F ~ 131°F		-22°F ~ 140°F
	-30°C ~ 55°C	-30°C ~ 53°C	-30°C ~ 55°C		-30°C ~ 60°C
Option	Control	Wireless (ZigBee)			
	Mounting	Swivel Bracket	Swivel Bracket, Pole Mount Bracket		Swivel Bracket
Warranty	UP to 10 Years				

CERTIFICATIONS

- UL / FCC / DLC
- CE / VDE
- C-Tick
- PSE
- KC / EE
- TIS / SABS

CONTROL SYSTEM (optional)

- ZigBee Wireless Control
- Input Voltage 15 Vdc
- Max. Power Consumption 0.3W (@15 Vdc)
- Standard 2.4 GHz – IEEE 802.15.4 (Compatible)
- Network Mesh
- RF Tx Power Max. +8 dBm (Typ. 5 dBm)
- Data Rate 250 kbps
- Security 128 bit AES Encryption Algorithms
- Dimmer PWM, 0 ~ 10 Vdc
- Antenna Omni Type, 2 dBi



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**LIGHTING
TECHNOLOGY**

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