

LED Flood Lighting MA Series

150w /200w /300w /400w /600w Series

Product Description

- 145 lm/W
- Replacement for HID flood light
- Outstanding cooling technology and durability
- High-power LED light with middle power LED chips and reflector technology
- Excellent light distribution and thermal design for natural convection
- Energy savings

Applications

- Sporting Facilities
- Airplane Hangars
- Airport Ramps
- Parking Lots
- Harbours
- Storage Yards

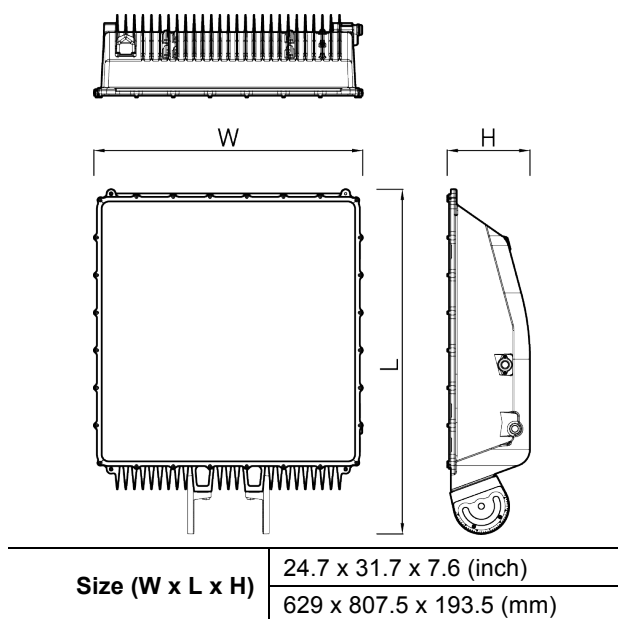
MA Series (MA-600W)



Certification

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

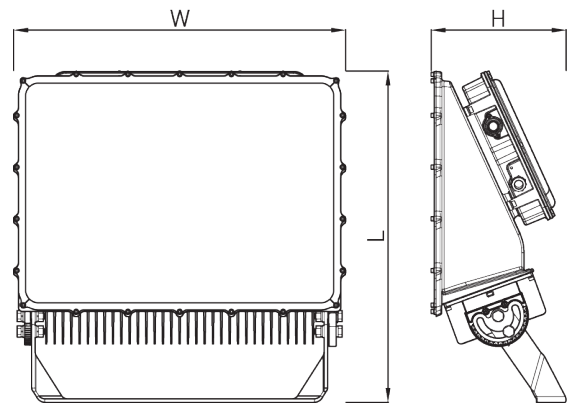
Dimensions



MA Series (MA-400W)

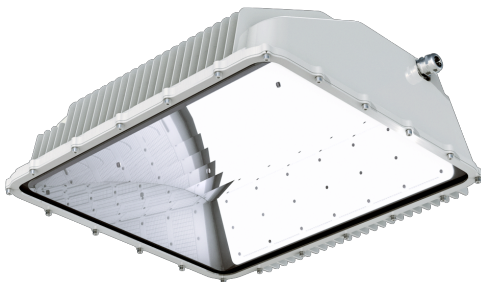


Dimensions

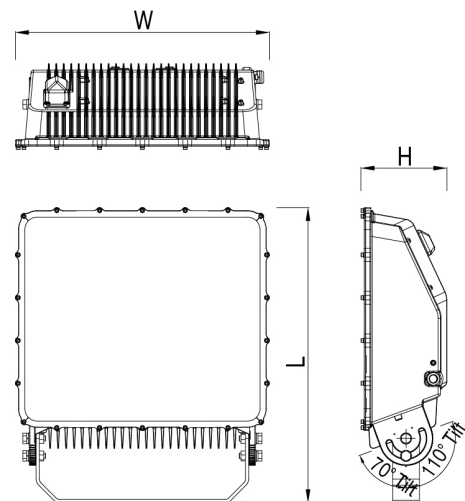


Size (W x L x H)	30.9 x 13.0 x 4.5 (inch)
	786.2 x 330.6 x 113.8 (mm)

MA Series (MA-300W)

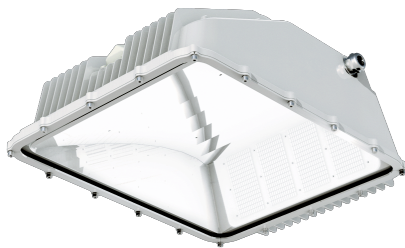


Dimensions

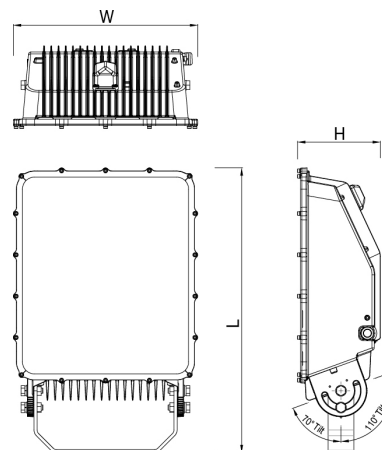


Size (W x L x H)	23.9 x 13.0 x 4.5 (inch)
	607.2 x 330.6 x 113.8 (mm)

MA Series (MA-200W)



Dimensions

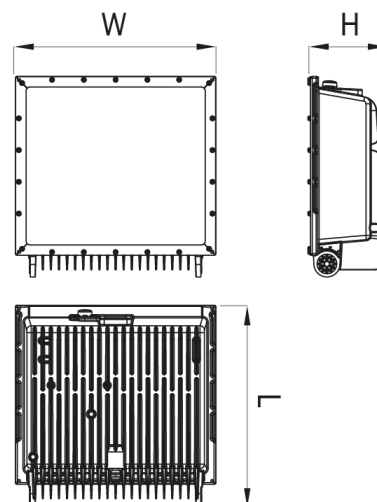


Size (W x L x H)	16.8 x 13.0 x 4.5 (inch)
	426.2 x 330.6 x 113.8 (mm)

MA Series (MA-150W)



Dimensions



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



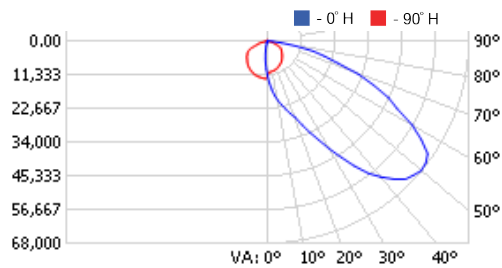
MA Series Specifications

Model Name		MA-600	MA-400	MA-300	MA-200	MA-150
Power Consumption		600W	400W	300W	200W	150W
Light Source		0.2 Mid Power LED Chips				
CCT		5000K (4000K / 3000K available)				
Luminous Flux *		87,000 lm	58,000 lm	43,500 lm	29,000 lm	21,750 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 / -	IP66 / IK08	IP66 / -	IP66 / -	IP66 / -
Operating Temperature		-22°F ~ 131°F -30°C ~ 55°C	-22°F ~ 127°F -30°C ~ 53°C	-22°F ~ 131°F / -30°C ~ 55°C		-22°F ~ 140°F -30°C ~ 60°C
Option	Control	Wireless (ZigBee) / Receptacle (*MAHA400, 300, 200, 150 only)				
	Mounting	Swivel Bracket	Swivel Bracket, Pole Mount Bracket			Swivel Bracket
Warranty		10 Years (12 hours usage per day)				

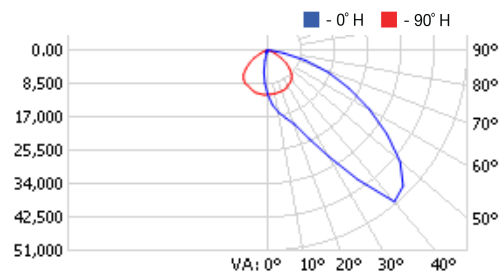
* Tolerance : ± 5%

MA Series Photometry Data

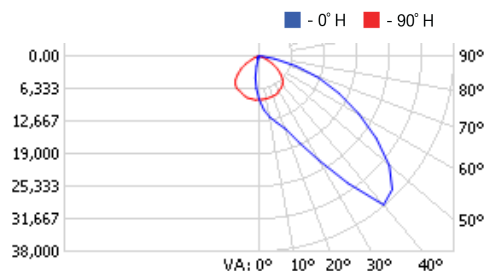
MA-600 / 5000K



MA-400 / 5000K



MA-300 / 5000K



MA-200 / 5000K

