

# LED Area Flood Lighting

## MAHA-PLUS Series

MAH600 / MAH500

### Product Description

- Unrivaled efficacy 150 lm/W
- Asymmetric beam enabling cost efficient 1 for 1 replacement for HID flood light
- Outstanding cooling technology and durability
- Excellent light distribution and minimized glare
- Smart lighting control using wireless or Receptacle



### Application

- Sporting Facilities
- Airplane Hangars
- Airport Aprons
- Parking Lots
- Harbour / Yard

### Certification

- UL
- FCC
- KC
- CE

### MAHA-PLUS Series Specifications

Model Name		MAH600			MAH500		
Power Consumption		600W			500W		
CCT		5700K	5000K	4000K	5700K	5000K	4000K
Luminous Flux * (lm)		87,000	90,000	87,000	72,500	75,000	72,500
Luminous Efficacy *(lm/W)		145	150	145	145	150	145
CRI		70 Ra					
LED Driving Current		108 mA					
Light Distribution		Asymmetric Wide					
BUG Rating		B4 – U0 – G5			B3 – U0 – G5		
Input Voltage		220 ~ 240 Vac / 200 ~ 277 Vac / 347 ~ 480 Vac			220~240 Vac / 200~277 Vac		
Input Current		Max. 3.5A (@200Vac) Max. 2.2A (@347Vac)			Max. 3.0A(@200Vac)		
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		Made in Korea / Made in Vietnam					
Size	mm	577 x 544 x 275					
	inch	22.7 x 21.4 x 10.8					
Weight		20.0 kg / 44.0 lb					
Material	Body	Cast Aluminum					
	Optic	AL Coating Reflector					
	Cover	Tempered Glass 4.0T (Clear)					
Finish		Powder Coating					
IP Rating		IP66					
Effective Projected Area	Front (ft <sup>2</sup> / m <sup>2</sup> )	1.377 / 0.128					
	Side (ft <sup>2</sup> / m <sup>2</sup> )	0.980 / 0.091					
Operating Temperature		-30°C ~ 50°C					
Option	Control	Wireless (ZigBee)					
	Mounting	Swivel Bracket, Pole Mount Bracket					
Operation Life Time		> 60,000 hours (L80B10) at upto Ta 40 °C					
Warranty		5 Years (12 hours usage per day)					

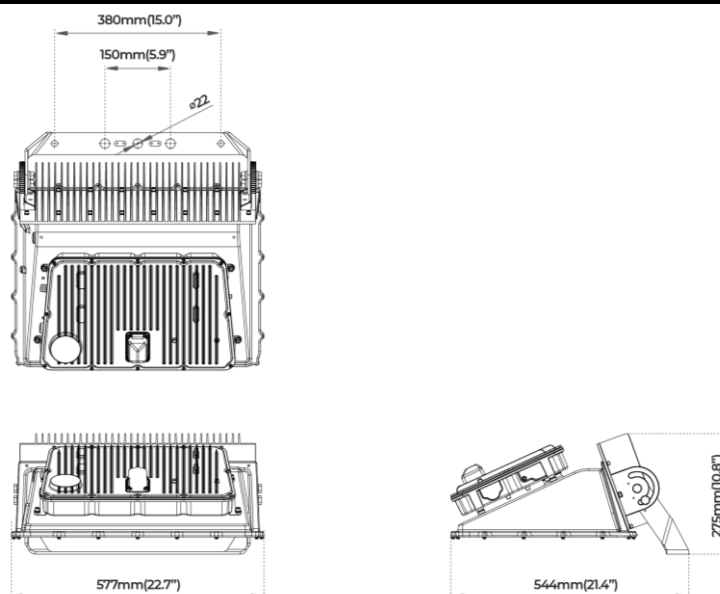
\* Tolerance : ± 10%

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### Dimension - MAH600 / MAH500



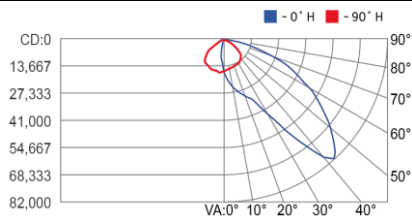
Size

22.7 x 21.4 x 10.8 (inch)

577 x 544 x 275 (mm)

### Photometry Data

MAH600, MAH500 / 5000K



### Control System (Optional)

Wireless Control	ZigBee
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
Antenna	Omni Type, 2 dBi

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### Mount Bracket Installation Reference (Optional)

MAH600 / MAH500

KMDLMBK010060




	Ground Mounting (Basic)	Ground Mounting (Reverse)	Horizontal Mounting (Basic)	Horizontal Mounting (Reverse)
				
	Upward 165° / Downward 15°	Upward 55° / Downward 125°	Upward 75° / Downward 105°	Upward 145° / Downward 35°

KMDLMBK010230

	Ground Mounting (Basic)	Ground Mounting (Reverse)	Horizontal Mounting (Basic)	Horizontal Mounting (Reverse)
				
	Upward 165° / Downward 15°	Upward 55° / Downward 125°	Upward 75° / Downward 105°	Upward 145° / Downward 35°

KETBKTL1ZNN001

KMDLMBK010020

	KMDLMBK010060 + KETBKTL1ZNN001			KMDLMBK010060 + KMDLMBK010020	
					

### Ordering Information (MAHA-PLUS Series)

Ordering Code Usage : MAH600-C50ZGP

MAH	000		O	OO	O	O	O
	Power Consumption	-	Input Voltage	CCT (K)	Control System	Fixture Color	Version
	600 = 600W 500 = 500W		C = 347 ~ 480V D = 220 ~ 240V H = 200 ~ 277V	50 = 5000K 40 = 4000K 30 = 3000K	Z = Wireless(Zigbee) N = None	G = Gray Powder	P = Plus