

LED Area Flood Lighting

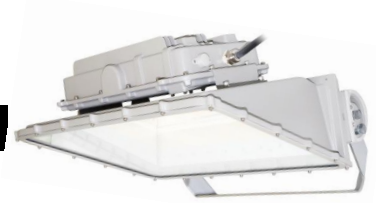
MAHA-PLUS Series

GigaTera[®]
beyond light

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
- CB / CE
- DLC

MAHA-PLUS Series Specifications

Model Name		MAH600				MAH500			
Power Consumption		600W				500W			
CCT		5700K	5000K	4000K	3000K	5700K	5000K	4000K	3000K
Luminous Flux * (lm)		87,000	87,000	87,000	84,000	72,500	75,000	72,500	70,000
Luminous Efficacy *(lm/W)		145	150	145	140	145	150	145	140
CRI		80 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		GigaTera Lighting Inc. / Made in Korea / Made in Vietnam							
Size	mm	577 x 543 x 280							
	inch	22.7 x 21.4 x 11.0							
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 ² / m ²)	1.377 / 0.128							
	Side (ft ² / m ²)	0.980 / 0.091							
Operating Temperature		-30°C ~ 50°C							
Option	Control	Wireless (ZigBee) / NEMA-7							
	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%

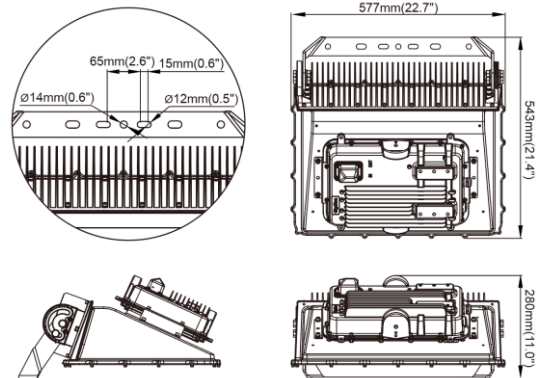
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Dimension - MAH600 / MAH500



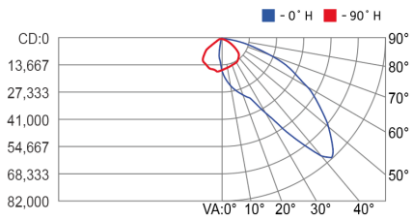
Size

577 x 543 x 280 (mm)

22.7 x 21.4 x 11.0 (inch)

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
NEMA-7	
Mechanical	7 Position : 3 Power Contacts + 4 dimming/Signal Contacts
Electrical	Power Contacts. 15A, Max.480Vac/dc
	Dimming Contacts. 0.10A, Max.10Vac/dc
Model Name	TE, 2213362-4(ANSI C136.41-2013 Dimming Receptacle)
	te.com

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MAHA-PLUS Series

MAH600 / MAH500






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°

KETBKTLC1ZNN001

KMDLMBK010020

	KMDLMBK010060 + KETBKTLC1ZNN001			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) G = NEMA-7 N = None	G = Gray Powder	P = Plus