

LED Area Flood Lighting

MAHA-PLUS Series



MAH600

Product Description

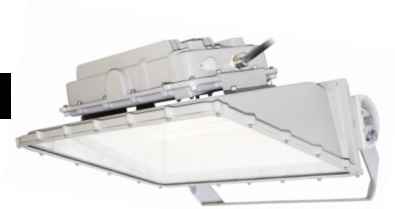
- Unrivaled efficacy 150 lm/W
- Asymmetric beam enabling cost efficient 1 for 1 replacement for HID flood light
- Outstanding cooling technology and durability
- Excellent light distribution and minimized glare
- Smart lighting control using wireless or Receptacle

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	
Power Consumption	600W (*Tolerance : ± 10%)	
CCT	5000K (5700K / 4000K / 3000K available)	
Luminous Flux *	90,000 lm	
Luminous Efficacy *	150 lm/W	
CRI	80 Ra	
LED Driving Current	108 mA	
Light Distribution	Asymmetric Wide	
BUG Rating	B4 – U0 – G5	
Input Voltage	220 ~ 240 Vac / 200 ~ 277 Vac / 347 ~ 480 Vac	
Input Current	Max. 3.5A (@200Vac)	
	Max. 2.2A (@347Vac)	
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 (ft² / m²)	1.377 / 0.128
	Side (ft² / m²)	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	> 80,000 hours (L80B10) at Ta 25°C, > 60,000 hours (L80B10) at Ta 40°C	
Warranty	5 Years (12 hours usage per day)	

* Tolerance : ± 10%

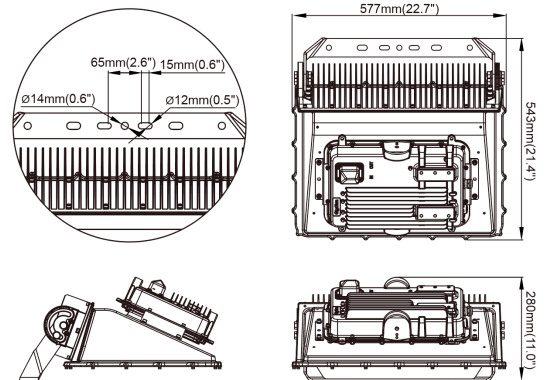
LED Area Flood Lighting

MAHA-PLUS Series



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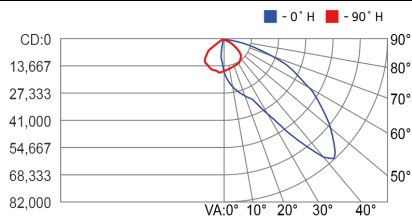
Dimension – MAH600



Size	577 x 543 x 280 (mm)
	22.7 x 21.4 x 11.0 (inch)

Photometry Data

MAH600 / 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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LED Area Flood Lighting MAHA-PLUS Series


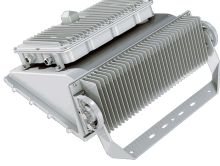
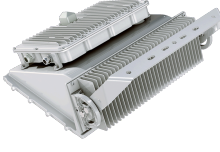
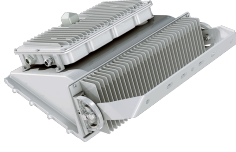
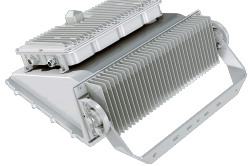


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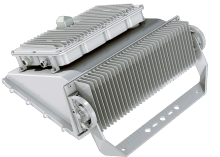
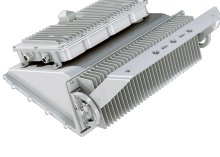
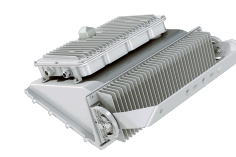
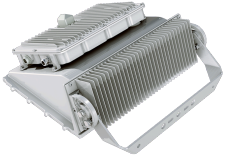
Mount Bracket Installation Reference (Optional)

MAH600

KMDLMBK010060



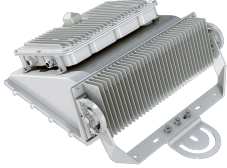
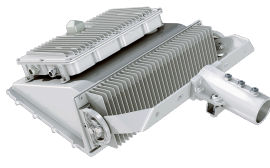
	Ground Mounting (Basic)	Ground Mounting (Reverse)	Horizontal Mounting (Basic)	Horizontal Mounting (Reverse)
				
	Upward 165° / Downward 15°	Upward 55° / Downward 125°	Upward 75° / Downward 105°	Upward 145° / Downward 35°

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		C = 347 ~ 480V D = 220 ~ 240V H = 200 ~ 277V	57 = 5700K 50 = 5000K 40 = 4000K 30 = 3000K	Z = Wireless(Zigbee) G = NEMA-7 N = None	G = Gray Powder	P = Plus

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