

LED Area Flood Lighting

MAHA-PLUS Series

GigaTera[®]
beyond light

MAH1K2

Product Description

- Outstanding asymmetric hybrid optics, full cut-off, glare-free, minimum light pollution
- No need of visor, worry-free in visor corrosion or cleaning, less wind & structural load
- High efficacy up to 150lm/W, maximum energy saving, excellent cooling technology and durability
- 20kV built-in surge protector, solid design appearance, corrosion-free powder painting

Application

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

Certification

- UL
- FCC
- 



MAHA-PLUS Series Specifications

Model Name		MAH1K2
Power Consumption		Max. 1200W
CCT		5000K (5700K / 4000K / 3000K available)
Luminous Flux *	168,000 lm	156,000 lm
Luminous Efficacy *	140 lm/W	130 lm/W
CRI	70 Ra	80Ra
LED Driving Current		Max. 550 mA
Light Distribution		Asymmetric Wide
BUG Rating		B4 – U0 – G5
Driver Type		Remote driver type / Built-in driver type
Input Voltage		220 ~ 240 Vac / 200 ~ 277 Vac / 347 ~ 480 Vac
Input Current		Max. 7.2A (@200 Vac) / Max. 4.1A (@347 Vac)
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
Size	Remote	620 x 543 x 275 (mm) / 24.4 x 21.4 x 10.8 (inch)
	Built-in	620 x 767 x 275 (mm) / 24.4 x 30.2 x 10.8 (inch)
Weight	Remote	15.2 kg / 33.5 lb
	Built-in	28.2 kg / 62.2 lb
Material	Body	Cast Aluminum
	Optic	Hybrid Optic (AL Coating Reflector & PMMA lens)
	Cover	Tempered Glass 4.0T (Clear)
Effective Projected Area		Front (m ²) : 0.15549 / Side (m ²) : 0.0674 (LED module only), 0.0987 (with Remote driver)
Aerodynamic resistance (CxS)		0.19
IP Rating		IP66
Operating Temperature		-22°F ~ 131°F / -30°C ~ 50°C
Option	Mounting	Swivel Bracket, Pole Mount Bracket
Operation Lifetime		> 80,000 hours (L80B10) at Ta 25°C, > 60,000 hours (L80B10) at Ta 40°C
Warranty		5 Years (12 hours usage per day). 10 Years conditional
Finish		Powder Painting (Gray color, RAL 7038)

* Tolerance : ± 10%

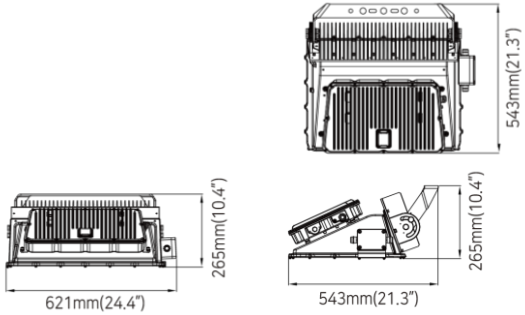
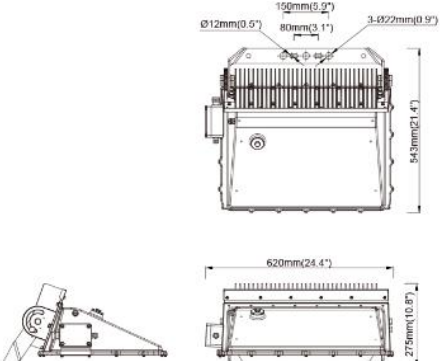
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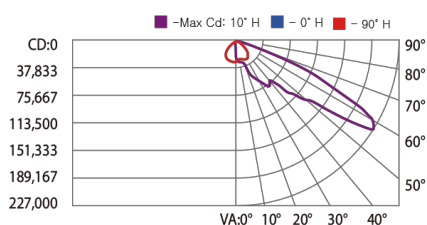
MAH1K2

Dimension - MAH1K2

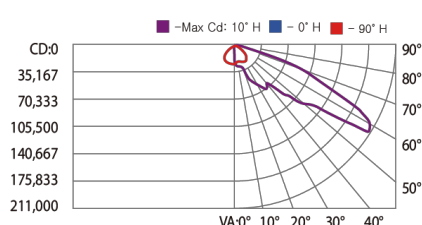
Built-in Driver type		Remote Driver type	
 		 	
Size	543 x 621 x 265 (mm)	Size	620 x 543 x 275 (mm)
	21.3 x 24.4 x 10.4 (inch)		24.4 x 21.4 x 10.8 (inch)

Photometry Data

MAH1K2 / 5000K / 70Ra



MAH1K2 / 5000K / 80Ra



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Mount Bracket Installation Reference (Optional)

MAH1K2

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

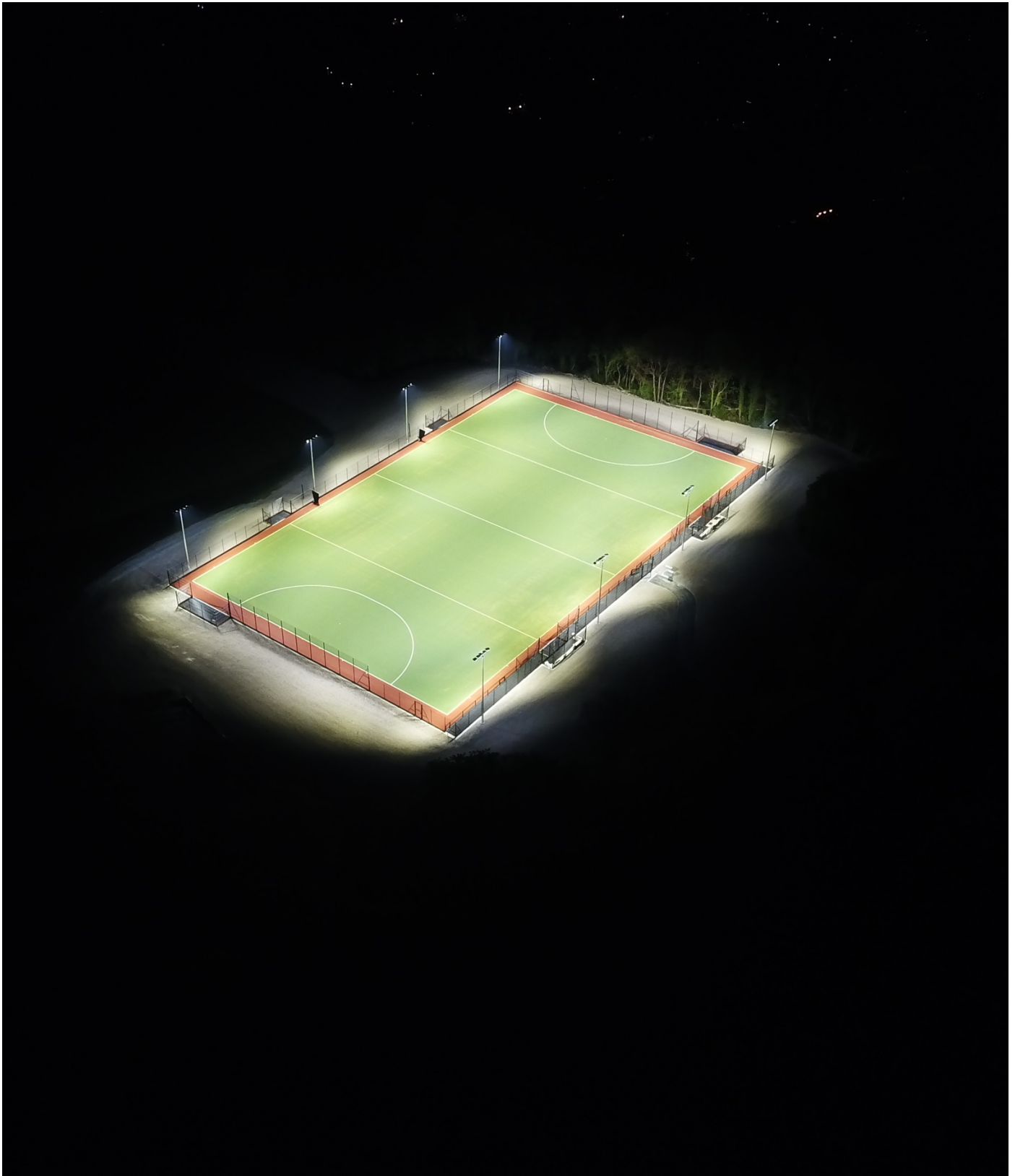
	Ground Mounting (Basic)	Ground Mounting (Reverse)	Horizontal Mounting (Basic)	Horizontal Mounting (Reverse)
	 Upward 165° / Downward 15°	 Upward 55° / Downward 125°	 Upward 75° / Downward 105°	 Upward 145° / Downward 35°

KETBKTLC1ZNN001

KMDLMBK010020

	KMDLMBK010060 + KETBKTLC1ZNN001		KMDLMBK010060 + KMDLMBK010020
			

MAF Series Floodlights – Spill Control



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