



### Applications

Sporting Facility  
Airplane Hangar  
Airport Apron  
Parking Lot  
Harbour  
Yard

### Certification

UL  
FCC  
DLC  
PSE  
CE  
ENEC  
KC

## Description

Unrivaled Efficacy 130 lm/W  
Excellent Cooling Structure  
Wireless Lighting Control / Built-in 20KV Surge Protection Device

## Specifications

Model Name	MA200	
Power Consumption	200W	
Correlated Color Temperature	5000K (3000K / 4000K available)	
Luminous Flux *	26,000 lm	
Luminous Efficacy *	130 lm/W	
LED Driving Current *	71.4 mA	
Color Rendering Index	80 Ra	
Light Distribution	Asymmetric Wide	
BUG Rating	B3 – U2 – G4 (Backlight – Uplight – Glare)	
LED Chip Manufacturer	SAMSUNG	
Input Voltage	100 - 277 Vac	347 - 480 Vac
Input Current	Max 2.5A (@100Vac)	Max 0.75A (@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)	
Driver Manufacturer	KMW INC. / Made in Korea	
Size ( W x L x H )	14.1 x 21.7 x 6.3 (inch)	357 x 551.5 x 160.5 (mm)
Weight (Driver included)	22.1 lb	10 Kg
Material	Body	Cast Aluminum
	Optic	Silver Coating Reflector
	Cover	Tempered Glass 4.0T (Clear)
Finish	Powder Coating	
IP Rating	IP66	
Mounting Option	Swivel Bracket / Pole Mount / Mount Bracket	
Operating Temperature	-22°F ~ 131°F	-30°C ~ 55°C
Life Time	50,000 Hours (@77°F / 25°C)	
Warranty	5 Years (12 hours usage per day)	

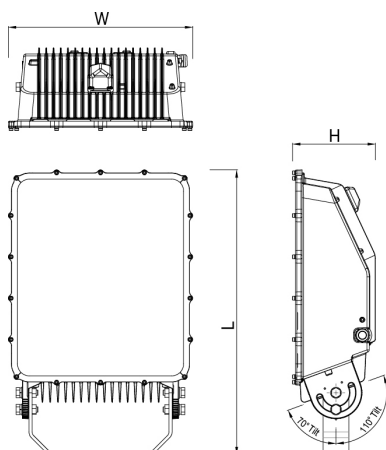
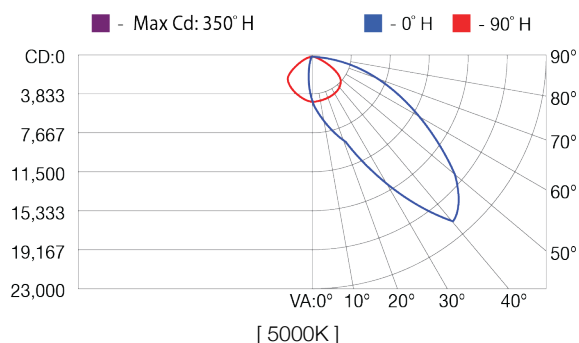
## Option

Control System	Wireless (ZigBee)
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\*Tolerance : ± 5%

## Photometry

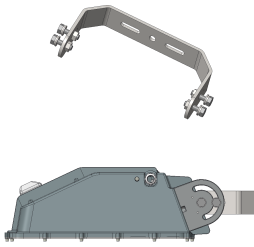
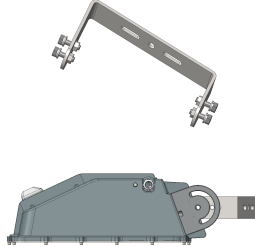
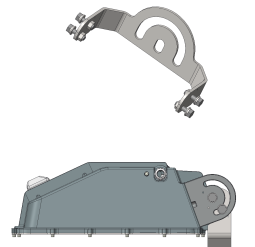
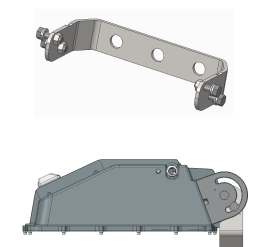
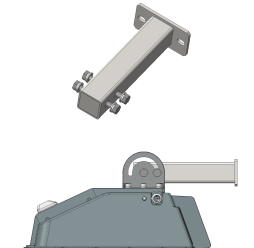
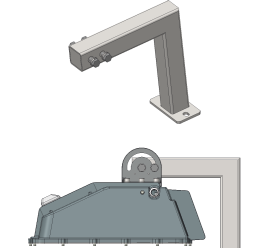
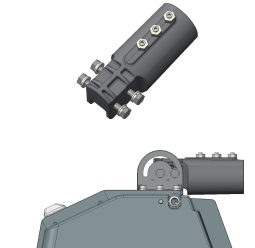
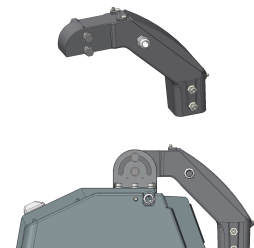
See photometric .ies files for details.



## Control System (Optional)

ZigBee (Mesh Networking)	
Input Voltage	15 Vdc
Max. Power Consumption	0.3 W (@15Vdc)
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
Dimmer	PWM, 0 – 10 Vdc
Antenna	Omni Type, 2 dBi

## Mounting Type (Optional)

			
BK010090 Up : 110° / Down 70°	BK010100 Up : 110° / Down 70°	BK010210 Up : 140° / Down 0°	BK010220 Up : 140° / Down 0°
			
BK010110 Up : 180° / Down 0°	BK010120 Up : 180° / Down 0°	BK010130 Up : 180° / Down 0°	BK010140 Up : 180° / Down 0°

## Ordering Information

MAHA : LED Area Flood Lighting (Order Code Usage : MA200-A50NG1090)

MA	000	-	0	00	0	00	000
	Power Consumption		Input Voltage	CCT(K)	Dimming Control	Fixture Color	Bracket
	200=200W		A=100~277V B=100~240V C=347~480V	30=3000 40=4000 50=5000	N=None Z=ZigBee	G1=Gray Powder	090=BK010090 100=BK010100 110=BK010110 120=BK010120 130=BK010130 140=BK010140 210=BK010210 220=BK010220