



### 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

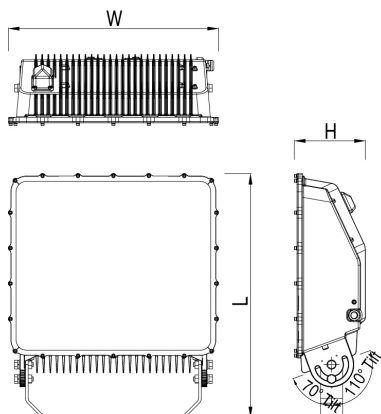
## Specifications

<b>Model Name</b>	MA300	
<b>Power Consumption</b>	300W	
<b>Correlated Color Temperature</b>	5000K (3000K / 4000K available)	
<b>Luminous Flux *</b>	39,000 lm	
<b>Luminous Efficacy *</b>	130 lm/W	
<b>LED Driving Current *</b>	71.4 mA	
<b>Color Rendering Index</b>	80 Ra	
<b>Light Distribution</b>	Asymmetric Wide	
<b>BUG Rating</b>	B3 – U2 – G4 (Backlight – Uplight – Glare)	
<b>LED Chip Manufacturer</b>	SAMSUNG	
<b>Input Voltage</b>	100 - 277 Vac	347 - 480 Vac
<b>Input Current</b>	Max 4.0A (@100Vac)	Max 1.2A (@347Vac)
<b>Power Factor</b>	≥0.9 at Max load	
<b>Frequency</b>	50 ~ 60 Hz	
<b>Surge Protection</b>	Line-Line 20KV, Line-FG 20KV	
<b>Driver Type</b>	Constant Current (CC)	
<b>Driver Manufacturer</b>	KMW INC. / Made in Korea	
<b>Size ( W x L x H )</b>	18.7 x 21.7 x 6.3 (inch)	475 x 551.5 x 160.5 (mm)
<b>Weight (Driver included)</b>	33.1 lb	15 Kg
<b>Material</b>	<b>Body</b>	Cast Aluminum
	<b>Optic</b>	Silver Coating Reflector
	<b>Cover</b>	Tempered Glass 4.0T (Clear)
<b>Finish</b>	Powder Coating	
<b>IP Rating</b>	IP66	
<b>Mounting Option</b>	Swivel Bracket / Pole Mount / Mount Bracket	
<b>Operating Temperature</b>	-22°F ~ 131°F	-30°C ~ 55°C
<b>Life Time</b>	50,000 Hours (@77°F / 25°C)	
<b>Warranty</b>	5 Years (12 hours usage per day)	

## Option

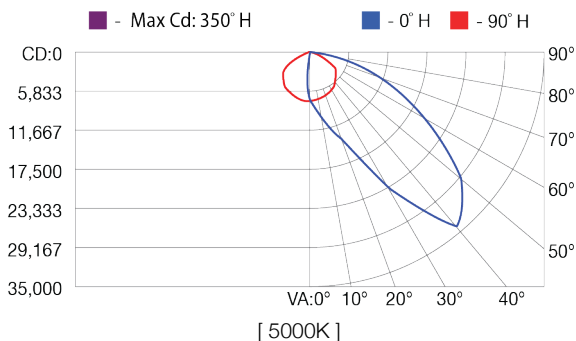
<b>Control System</b>	Wireless (ZigBee)
-----------------------	-------------------

\*Tolerance : ± 5%



## Photometry

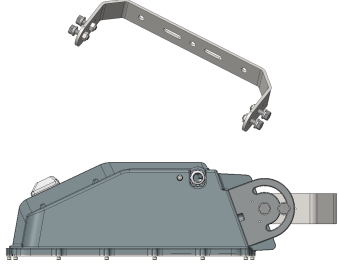
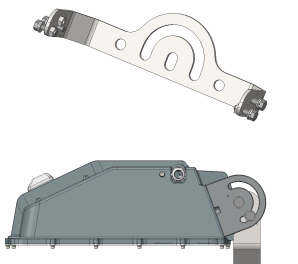
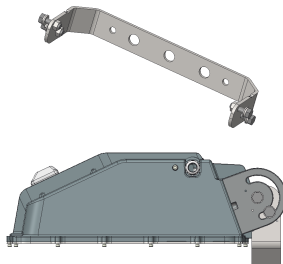
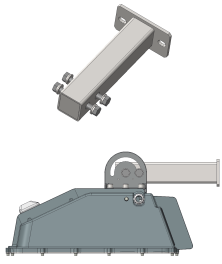
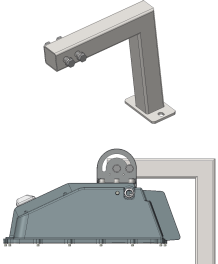
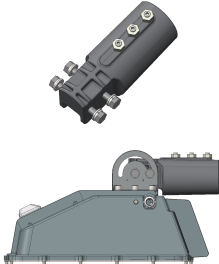
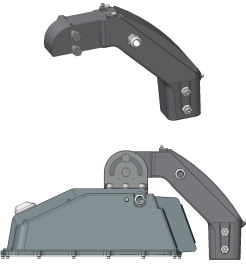
See photometric .ies files for details.



## Control System (Optional)

ZigBee (Mesh Networking)		Wireless Control
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)

					
BK010190 Up : 110° / Down 70°		BK010240 Up : 140° / Down 0°		BK010250 Up : 140° / Down 0°	
					
BK010110 Up : 180° / Down 0°		BK010120 Up : 180° / Down 0°		BK010130 Up : 180° / Down 0°	
					
				BK010140 Up : 90° / Down 0°	

## Ordering Information

MAHA : LED Area Flood Lighting (Order Code Usage : MA300-A50NG1110)

MA	000	-	0	00	0	00	000
	Power Consumption		Input Voltage	CCT(K)	Dimming Control	Fixture Color	Bracket
	300=300W		A=100~277V B=100~240V C=347~480V	30=3000 40=4000 50=5000	N=None Z=ZigBee	G1=Gray Powder	110=BK010110 120=BK010120 130=BK010130 140=BK010140 190=BK010190 240=BK010240 250=BK010250