



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	MA400	
Power Consumption	400W	
Correlated Color Temperature	5000K (3000K / 4000K available)	
Luminous Flux *	52,000 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 5.0A (@100Vac)	Max 1.5A (@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)	22.7 x 22.7 x 8.5 (inch)	577 x 576.5 x 215.5 (mm)
Weight (Driver included)	44 lb	20 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	
Operating Temperature	-22°F ~ 127°F	-30°C ~ 53°C
Life Time	50,000 Hours (@77°F / 25°C)	
Warranty	5 Years (12 hours usage per day)	

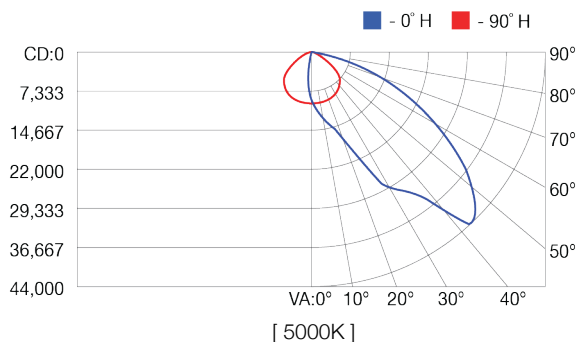
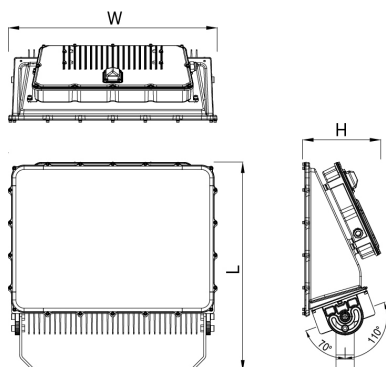
Option

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

Photometry

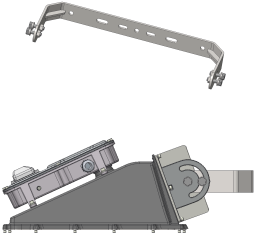
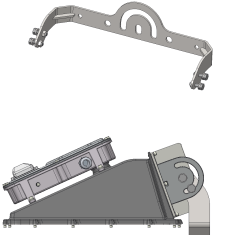
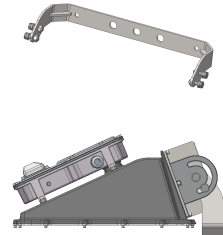
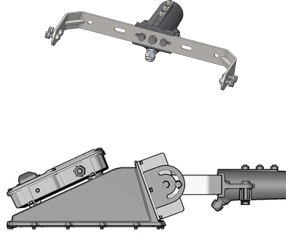
See photometric .ies files for details.



Control System (Optional)

ZigBee (Mesh Networking)		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)

			
BK010010 Up : 110° / Down 70°	BK010200 Up : 150° / Down 10°	BK010230 Up : 150° / Down 10°	BK010020 Up : 110° / Down 70°

Ordering Information

MAHA : LED Area Flood Lighting (Order Code Usage : MA400-A50NG1010)

MA	000	-	O	OO	O	OO	000
	Power Consumption		Input Voltage	CCT(K)	Dimming Control	Fixture Color	Bracket
	200=200W 300=300W 400=400W		A=100~277V B=100~240V C=347~480V	30=3000 40=4000 50=5000	N=None Z=ZigBee	G1=Gray Powder	090=BK010090 (*MA200 only) 100=BK010100 (*MA200 only) 210=BK010210 (*MA200 only) 220=BK010220 (*MA200 only) 110=BK010110 (*MA200/300 only) 120=BK010120 (*MA200/300 only) 130=BK010130 (*MA200/300 only) 140=BK010140 (*MA200/300 only) 190=BK010190 (*MA300 only) 240=BK010240 (*MA300 only) 250=BK010250 (*MA300 only) 010=BK010010 (*MA400 only) 020=BK010020 (*MA400 only) 200=BK010200 (*MA400 only) 230=BK010230 (*MA400 only)