LED SHOEBOX LIGHT

Bluetooth SMART LIGHTING

SMART 300 SERIES

PRODUCT DESCRIPTION:

The smart LED shoebox lights represent a fusion of cutting-edge intelligent control technology with high-performance LED shoebox lights. These lights are designed for use in a variety of settings, including parking lots, driveways, outdoor sports courts (basketball, tennis, volleyball, etc.), and other commercial and industrial locations that demand high brightness.

Enabled by Bluetooth mesh technology and an intelligent control system, these lights offer a range of features such as energy consumption monitoring, brightness adjustment, schedule management, motion detection, and group control. Users can conveniently operate these functions through a dedicated app or SaaS platform.

CONTROLS:

• Bluetooth Microwave Motion Sensor
• Zhaga BOOK18 Bluetooth PIR Sensor
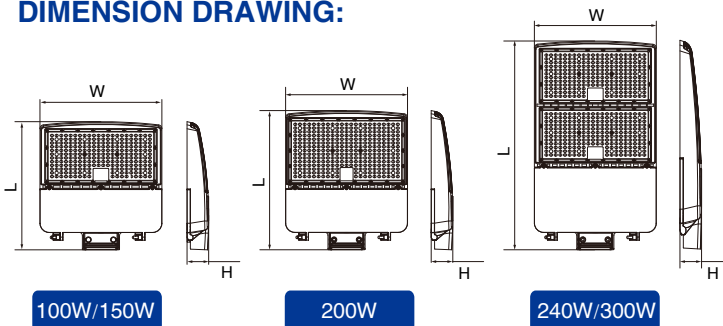
FEATURES:

• Photocell Control Optional; 100-347vac Optional
• Lumileds LED high luminous effciency and long life
• Base on Morlink / Silvair Bluetooth Wireless Control
• Excellent optical design, greatly improve the utilization and evenness
• IP65, suitable for wet locations.
• Cast aluminium design, better cooling and easy replacement
• Compliant with US and Canada or CE codes
• Superior efficacy meets DLC Premium requirements.

APPLICATIONS:

• Commercial and industrial places with high brightness requirements such as parking lots, lanes, outdoor courts (basketball, tennis, volleyball, etc.)
• Operating Temperature -40°F to 122°F (-40°C to +50°C)

WARRANTY:

• 5-year standard warranty

DIMENSION CHART:

POWER	L (INCH)	W (INCH)	H (INCH)
100W	13.14	12.40	2.42
150W	13.14	12.40	2.42
200W	14.84	12.40	2.42
240W	22.72	12.40	2.42
300W	22.72	12.40	2.42

DIMENSION DRAWING:

100W/150W

200W

240W/300W

MORSTAR LIGHTING

LED SHOEBOX LIGHT
SMART 300 SERIES

PARAMETER

Ordering information	MA-EPL301SE-100W-50K-A-T3-D-HV-Z-B

FAMILY	WATTAGE	CCT	BREAKET	BEAM ANGLE	HV	SENSOR MODEL	OPTIONS
MA-EPL=LED Parking Lot Light	100W	40K/50K 57K/65K TCP CCT	Blank A=Slip Filter B=Arm; B2=Arm(Adj) C=Trunnion; E=Yoke	T2=Type II T3=Type III T4=Type IV T5=Type V	HV=347V LV=277V	M=Microwave P=PIR Z=Zhaga	B=BLE Control EM= Emergency Driver

[1] TCP=3000K/4000K/5000K DIP Selectable
CCT=3000K-5000K Stepless Adjustable

SPECIFICATION:

ITEM	SPECIFICATION	MA-EPL301SE	MA-EPL302SE	MA-EPL303SE	MA-EPL304SE	MA-EPL305SE
		DETAILS				
GENERAL PERFORMANCE	Power Consumption	100W	150W	200W	240W	300W
	Equivalent Wattage	320W	450W	600W	750W	1000W
	Lumens Delivered	14000LM	21000LM	28000LM	33600LM	42000LM
	Efficacy	130LM/W/140LM/W（±10%）				
	CRI	Ra>70/80				
	Color Temperature	4000K / 5000K / 5700K / 6500K				
	Beam Angle	TYPEII, TYPEIII, TYPEIV, TYPEV				
	L80 Lumen maintenance	70000Hrs (Ta=30°C@L80)				
ELECTRICAL	Power Factor	>0.95				
	Input Voltage	100-277VAC / 100-347VAC				
	Dimming	0-10V dimmable				
	Surge Protection	10KA				
PHYSICAL	Mounting	Slip Fitter/ Direct Mount/Yoke Mount/ Square Bracket				
	Operating Temperature	-40°F to 122°F				
QUALIFICATION	Qualifications	UL/cUL, DLC5.1Premium				
	Material Usage	CE RoHS compliant; no mercury				
	Environment	outdoor / Wet, IP65				
	Warranty	5 Year Warranty				

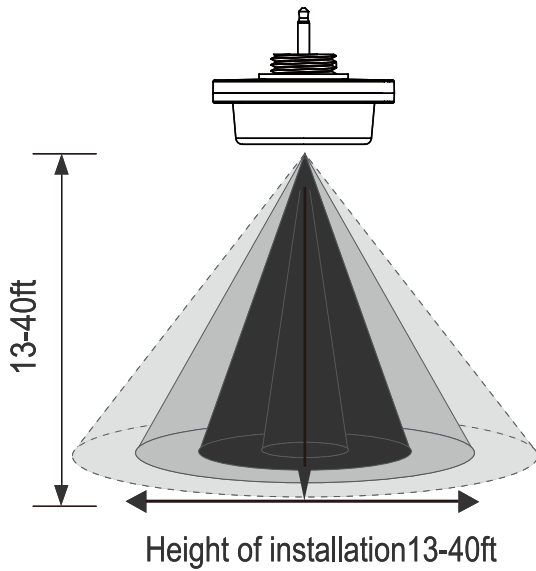## ACCESSORIES (For APP Smart Fixture):

MODEL NUMBER	DESCRIPTION	IMAGE
MA-LH301Z	Zhaga BOOK18 Bluetooth PIR Sensor works with Morlink / Silvair	

ACCESSORIES (For APP Smart Fixture):

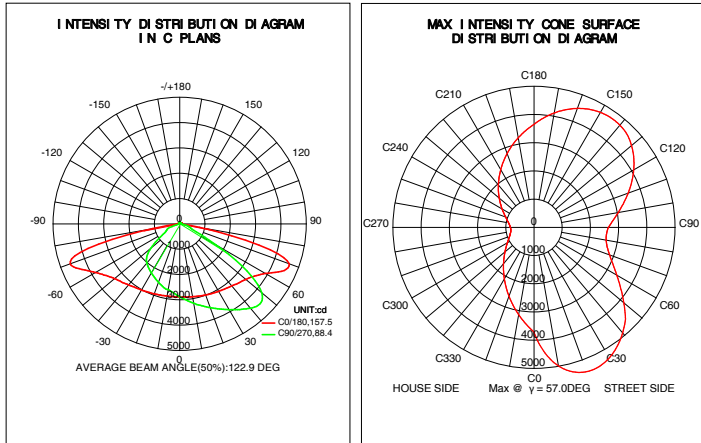| MODEL NUMBER	DESCRIPTION	IMAGE
MA-LH101M	Bluetooth Microwave Motion Sensor works with Morlink / Silvair	
MA-LH201P	Bluetooth PIR sensor works with Morlink / Silvair	

MICROWAVE SENSOR COVERAGE:

13-40ft

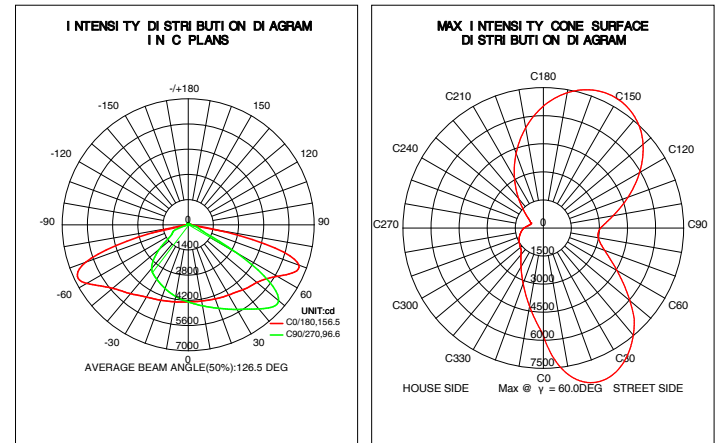100%
75%

26' 20' 13'   13' 20' 26'

Height of installation 13-40ft

PIR SENSOR COVERAGE:

Coverage Side View

0'
10'
20'
30'
40'
30' 20' 12' 6' 0' 6' 12' 20' 30'

30'
27'
20'
12'
6'
3'
0'
3'
6'
12'
20'
27'
30'
30' 27' 20'   12' 6' 3' 0' 3' 6' 12'   20' 27' 30'

60 —ft
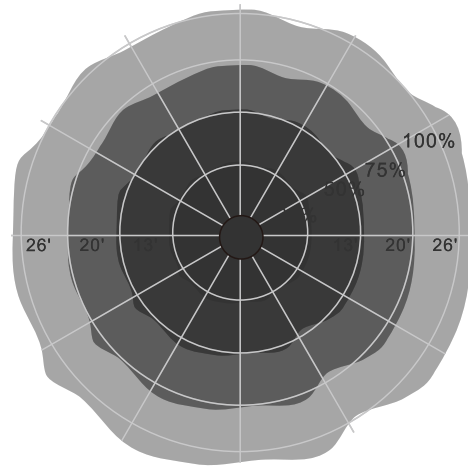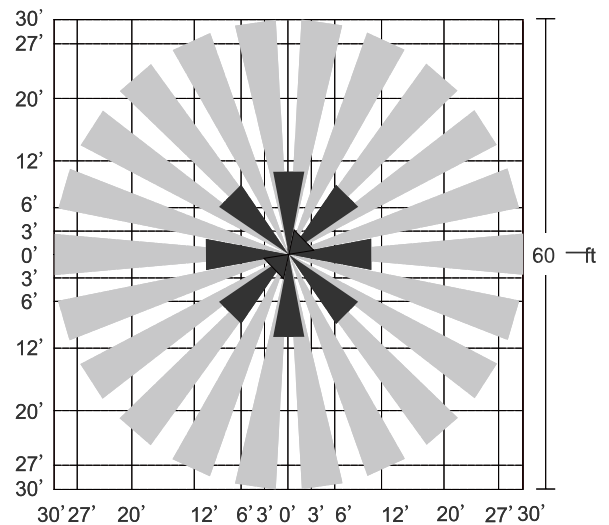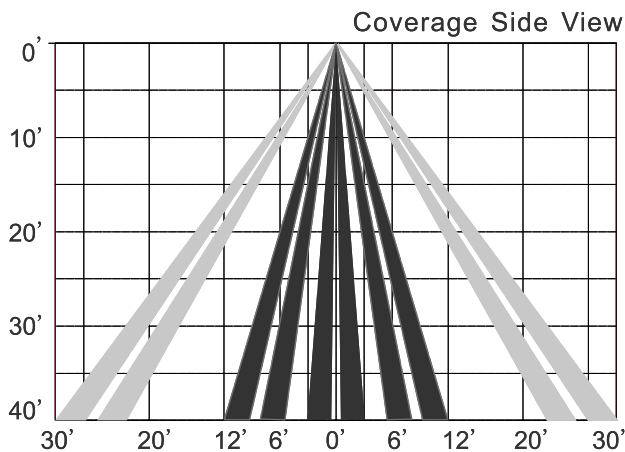
LUMINOUS INTENSITY DISTRIBUTION CURVE:

Photometric values based upon tests performed in compliance w/ LM-79.

1.MA-EPL301SE-100W

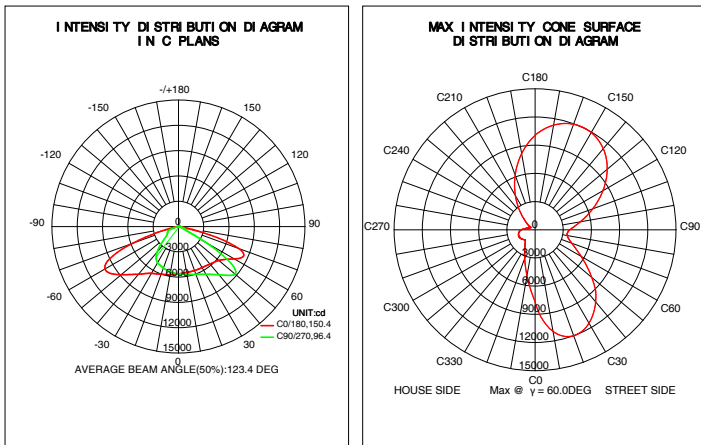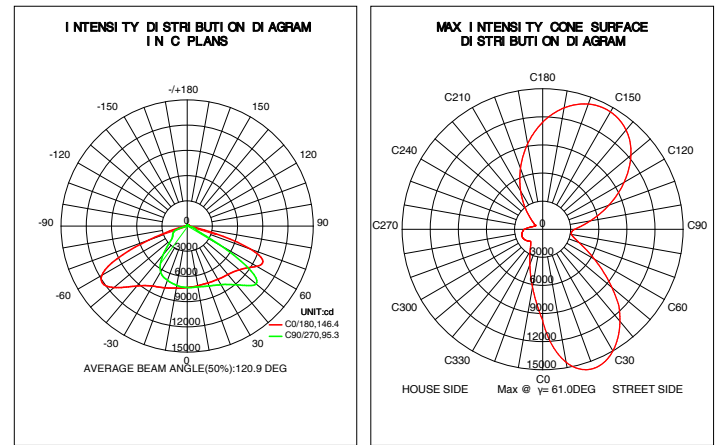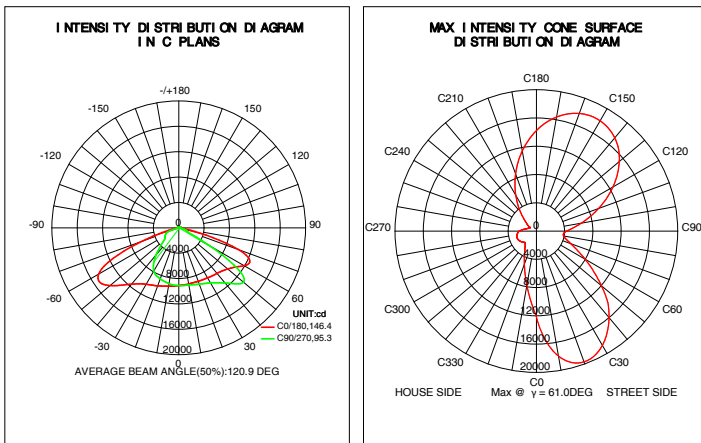### 2.MA-EPL302SE-150W

3.MA-EPL303SE-200W

4.MA-EPL304SE-240W

5.MA-EPL305SE-300W

*Other beam distributions available as special orders. Contact Morstar for more details.

FIXTURE ACCESSORIES (OPTIONAL):

MODEL NUMBER	DESCRIPTION	IMAGE
ConnectorA2	Slip Fitter	
Connector B2	Adjustable Square Pole /Round Pole 4", 5", 6"	
Connector C	Square Pole /Round Pole 4", 5", 6"	
Connector D	Trunnion	
Connector E	YOKE Bracket	
Connector F	Round Pole Sheet (4, 5, 6 inch)	
Twist-lock Photocell	Terminals meeting the requirements of ANSI C136.10-2010 and the Standard for Use with Area Lighting UL773	

PACKING/WEIGHT INFORMATION:

| Fixture	Outer box (L*W*H)	Qty/Ctn (pcs)	N.W/pcs (lbs/Kg)	G.W/pcs (lbs/Kg)	Remarks
100W	18.11"*14.37"*5.71" 460*365*145mm	1	6.28/2.85	8.29/3.76	
150W		1	6.48/2.94	8.50/3.86	
200W	19.84"*14.37"*5.71" 504*365*145mm	1	6.96/3.16	8.86/4.02	1.0M cable
240W	27.72"*14.37"*5.71" 704*365*145mm	1	10.31/4.68	12.56/5.70	
300W		1	10.75/4.88	13.00/5.90	

Our Smart Lighting Solutions
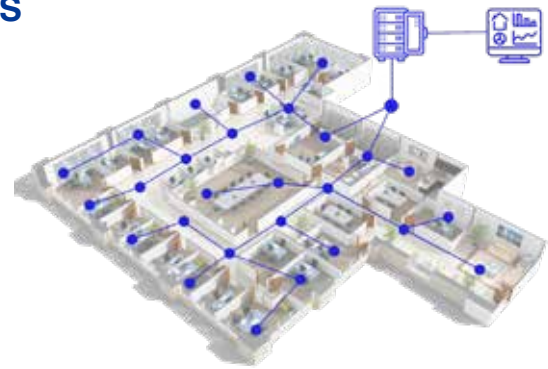
MORLINK

Complete Businesses Smart Lighting Solution

01 Multi-application platform design, integrating Bluetooth. Zigbee and WiFi wireless general technology can realize equipment group control, equipment monitoring and fault diagnosis, scene management, and automation, etc.

02 Users can share lighting equipment by equipment category or area on the Morlink SaaS platform, and scan the equipment sharing QR code through the Morlink applet for remote control.

03 Support visual management of equipment, large-scale data analysis, user authorization and allocation, site mapping and configuration, and unified management of multiple projects.
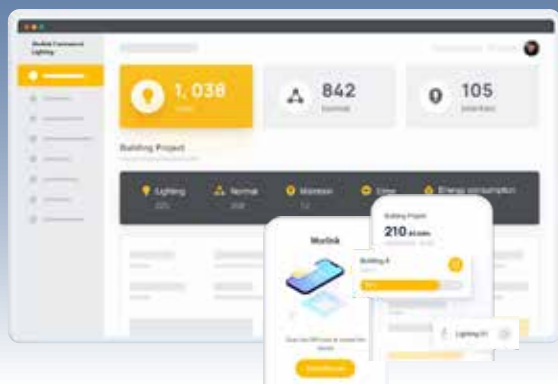
SILVAIR

Reliable and energy-efficient lighting control solution

Silvair Intelligent Lighting Control System is a wireless lighting control system that uses Bluetooth mesh technology to enable advanced lighting control capabilities. Compared to other competitors in the market.

Compatibility
Compatible with more devices including DALI and 0-10V interfaces. Can be easily integrated into existing lighting infrastructure without major changes.

Capabilities
More advanced lighting control functions can be integrated with other building automation systems to provide a comprehensive solution for intelligent lighting control.

Interface
Friendly interface: Intuitive user interface, can easily control and manage their lighting system and provide configuration and customization services to meet specific user needs.

Scalability
Highly scalable and can be easily expanded as lighting needs grow. This makes it an ideal solution for both small and large-scale projects.