# MORSTAR
## LIGHTING

PROJECT NAME :

CATALOG  NUMBER :

NOTES :

FIXTURE SCHEDULE :

# LED UFO High Bay Light

**Bluetooth** SMART LIGHTING

## SMART 3101 SERIES

**Play & plug 12V sensors**

## PRODUCT DESCRIPTION:

LED UFO High Bay Light 3101 series provides high efficiency up to 150 LM/W. The fixture has 4 installation options to adapt to different installation conditions. The one-piece die-cast aluminum shell is adopted to ensure the quality while also exerting good heat dissipation. Through Bluetooth meshed technology and intelligent control system, CCT / brightness adjustment, schedule manage-ment, motion detection and group control can be operated on App or SaaS.

## CONTROLS:

• Bluetooth Microwave Motion Sensor
• Bluetooth PIR Sensor

## FEATURES:

• High quality drivers 100-277Vac / 120-347Vac available

• Fins design,advective holes and grooves in each fin,good for heat dissipation

• Base on Morlink / Silvair Bluetooth Wireless Control

• Professioal light distribution technique,high light reflectivity reflectors

• The lens pass rate is over 90%

• Compliant with US and Canada or CE codes

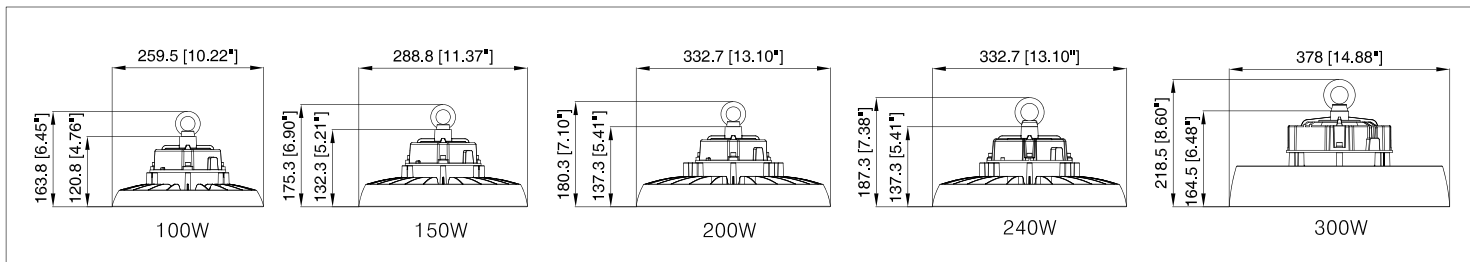• Light weight and small size,save about half shipping costs.

## APPLICATIONS:

• Warehouses, Factory

• Exhibition Room, Gas Station, Supermarket

• High Bay and Low Bay applications

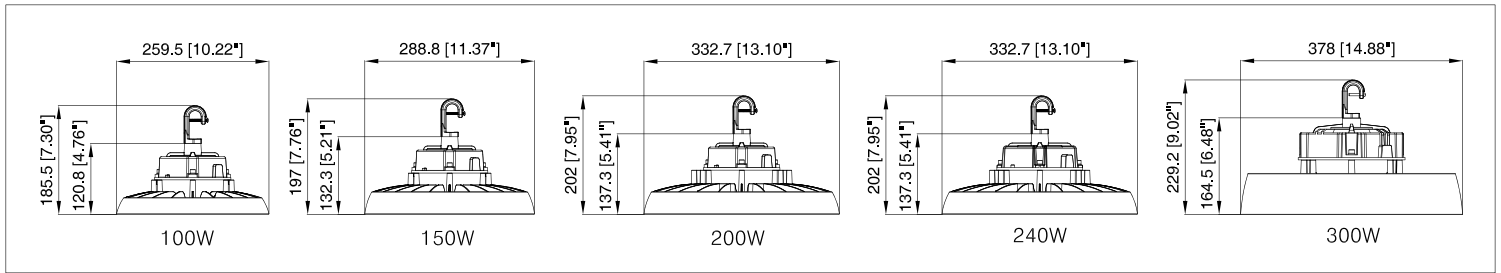• Operating Temperature -40°F to 158°F (-40°C to +70°C)

## WARRANTY:

• 5-year standard warranty

## DIMENSION DRAWING:

1. Rings Type:

| 100W | 150W | 200W | 240W | 300W |
|---|---|---|---|---|
| 259.5 [10.22"] | 288.8 [11.37"] | 332.7 [13.10"] | 332.7 [13.10"] | 378 [14.88"] |
| 163.8 [6.45"] / 120.8 [4.76"] | 175.3 [6.90"] / 132.3 [5.21"] | 180.3 [7.10"] / 137.3 [5.41"] | 187.3 [7.38"] / 137.3 [5.41"] | 218.5 [8.60"] / 164.5 [6.48"] |

## 2. Hook Type:



| 100W | 150W | 200W | 240W | 300W |

## PARAMETER

| Ordering information | MA-HHB3101AS-100W-50K-85-LV-M-B |

| FAMILY | WATTAGE | CCT | BEAM | HV | SENSOR MODEL | OPTIONS |
|---|---|---|---|---|---|---|
| MA-HHB=LED UFO High Bay Light | 100W | 40K=4000K; 50K=5000K 57K=5700K; 65K=6500K | 85° 110° | HV=347V LV=277V | M=Microwave P=PIR | B=BLE Control EM=Emergency Driver |

## SPECIFICATION:

| ITEM | SPECIFICATION | MA-HHB3101AS | MA-HHB3102AS | MA-HHB3103SA | MA-HHB3104AS | MA-HHB3105AS |
|---|---|---|---|---|---|---|
| | | DETAILS | | | | |
| GENERAL PERFORMANCE | Power Consumption | 100W | 150W | 200W | 240W | 300W |
| | Replaces PSMH | 250W | 320W | 420W | 500W | 600W |
| | Lumens Delivered | 14500Lm | 21750Lm | 29000Lm | 34800Lm | 43500Lm |
| | Efficacy | 135lm/W & 150lm/W（±10%） | | | | |
| | CRI | Ra＞80 | | | | |
| | Color Temperature | 2700-6500K | | | | |
| | Beam Angle | 85° /110° | | | | |
| | L80 Lumen maintenance | ＞70000Hrs (Ta=30°C@L80) | | | | |
| ELECTRICAL | Power Factor | ≥0.95 | | | | |
| | Input Voltage | 100-277VAC/120-347VAC | | | | |
| | Dimming | 1-10v Dimming Range | | | | |
| | Surge Protection | 4KV line-line, 6KV line-earth | | | | |
| PHYSICAL | Mounting | Ceiling with loop/ Ceiling with hook/ Wall mounting/ Pandent mounting | | | | |
| | Operating Temperature | '-22°F to 104°F (-30°C to + 40°C) | | | | |
| | Humidity | 20% to 80% RH non-condensing | | | | |

## SPECIFICATION:

| ITEM | SPECIFICATION | MA-HHB3101AS MA-HHB3102AS MA-HHB3103SA MA-HHB3104AS MA-HHB3105AS |
|---|---|---|
| | | **DETAILS** |
| QUALIFICATION | Qualifications | UL/cUL, DLC 5.1Premium |
| | Material Usage | RoHS compliant; no mercury |
| | Environment | Indoor / Wet, IP65 |
| | Warranty | 5 Year Warranty |

## LUMINOUS INTENSITY DISTRIBUTION CURVE:

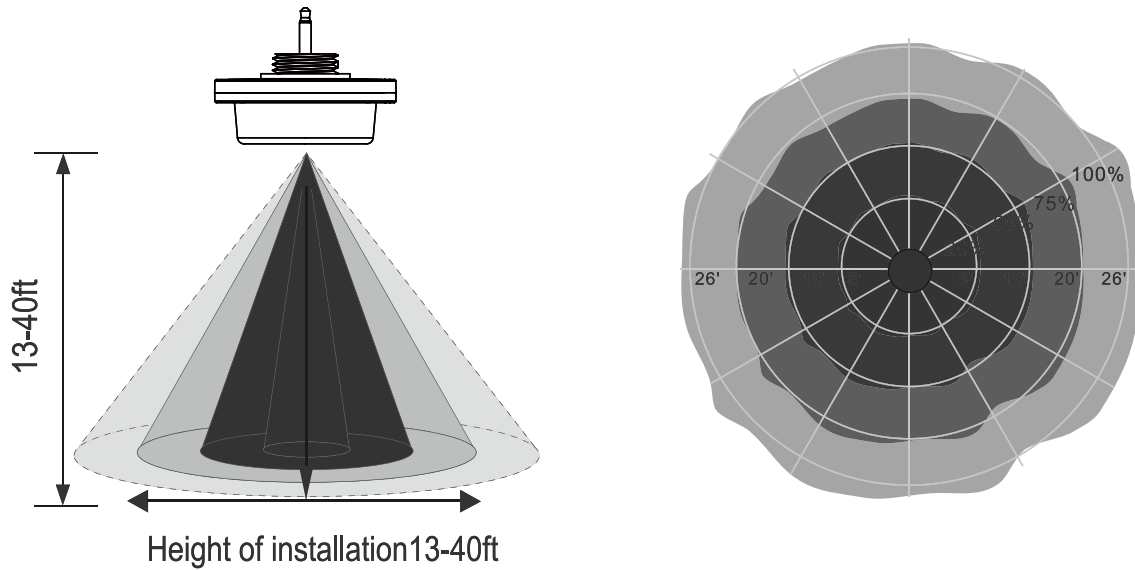Photometric values based upon tests performed in compliance w/ LM-79.

MA-HHB3101AS-100W



MA-HHB3102AS-150W



MA-HHB3103AS-200W



MA-HHB3104AS-240W
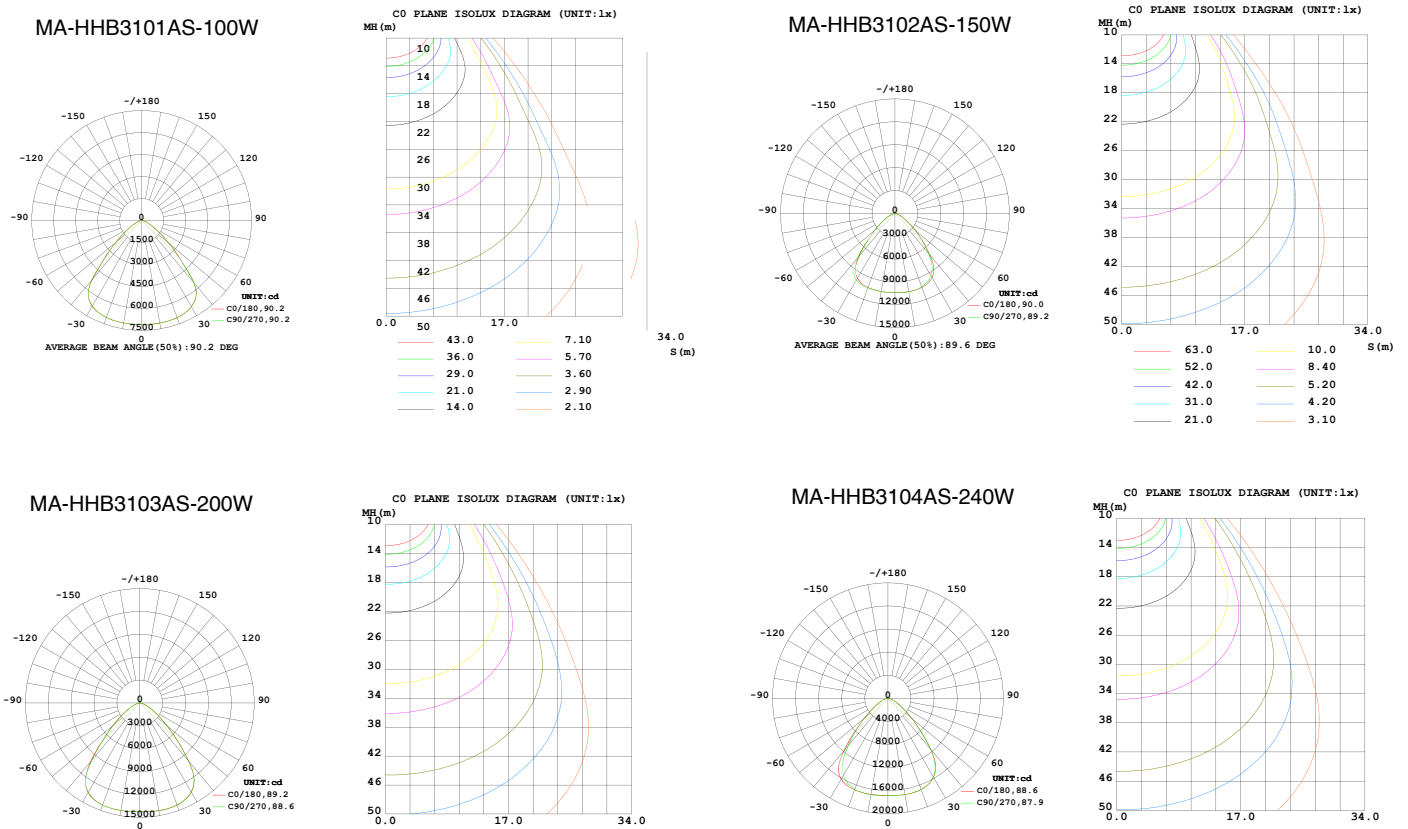


## PACKING/WEIGHT INFORMATION:

| Power | Outer box (L*W*H) | Oty/Ctn (pcs) | N.W./Ctn (kg/lbs) | G.W./Ctn (kg/lbs) | Remarks |
|---|---|---|---|---|---|
| 100W | 12.40"x12.40"x7.24" (315x315x184mm) | 1 | 1.95/4.30 | 2.95/6.50 | |
| 150W | 13.70"x13.70"x7.64" (348x348x194mm) | 1 | 2.75/6.06 | 3.35/7.39 | |
| 200W | 14.88"x14.88"x8.19" (378x378x208mm) | 1 | 3.30/7.28 | 4.20/9.26 | 2M cable |
| 240W | 14.88"x14.88"x8.19" (378x378x208mm) | 1 | 3.40/7.50 | 4.30/9.48 | |
| 300W | 17.72"x17.72"x9.25" (450x450x235mm) | 1 | 6.89/15.2 | 7.89/17.4 | |

## ACCESSORIES (For APP Smart Fixture):

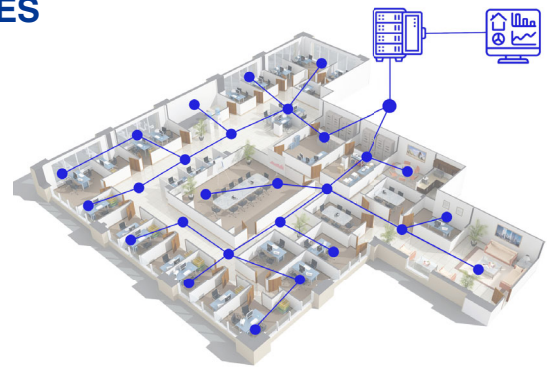| MODEL NUMBER | DESCRIPTION | IMAGE |
|---|---|---|
| MA-LH101M | Bluetooth Microwave Motion Sensor works with Morlink / Silvair | |
| MA-LH201P | Bluetooth PIR sensor works with Morlink / Silvair | |

## MICROWAVE SENSOR COVERAGE:



13-40ft

Height of installation13-40ft

100%
75%
26'   20'          20'   26'

## 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

# MORSTAR
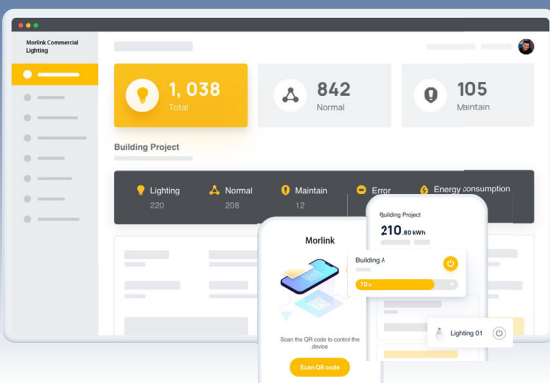## LIGHTING
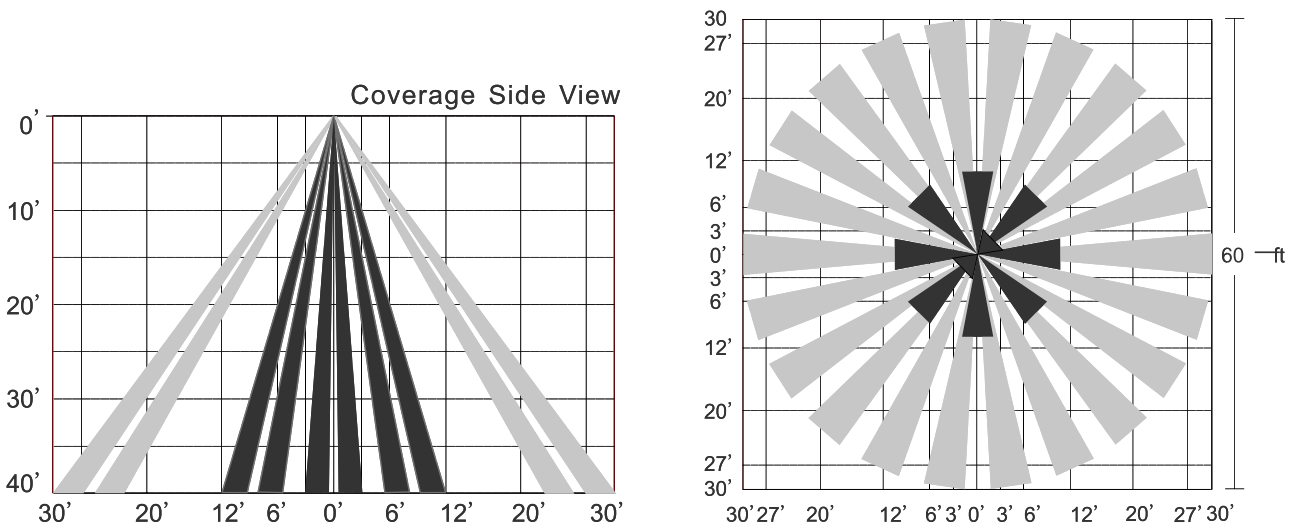
# Our Smart Lighting Solutions

## 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.