MORSTAR LIGHTING

LED SMART LINEAR HIGH BAY LIGHT

Bluetooth SMART LIGHTING

SMART 400B SERIES

PRODUCT DESCRIPTION:

The LED linear high bay light is an ideal choice for high-performance, long-life replacement of HID and linear fluorescent high bay lights. Various color temperatures and light uniformity will ensure comfortable and safe conditions, thereby maximizing the productivity of warehouses, large shops, stadiums, and other industrial and commercial venues. Through Bluetooth meshed technology and an intelligent control system, brightness adjustment, schedule management, motion detection, group control, and ambient light adjustment can be achieved on App or Saas.

CONTROLS:

• Wireless occupancy and daylight sensor
• Led Driver with built-in wireless BlueTooth module

DIMENSION DRAWING:
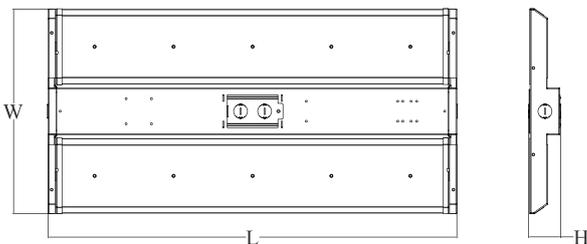
FEATURES:

• Available in SOW, 110W, 165W, 225W, 260W and 300W in 120-277V and 347V configurations
• 3-Power & 3-CCT Switchable
• Plug & Play Motion Sensor
• Viewing angle is easily adjustable 20-90 degrees
• Thermoelectric separation technology

APPLICATIONS:

• Warehouses
• Stadiums
• Industrial
• Retail
• High Bay and Low Bay applications

WARRANTY:

• 5-year standard warranty

DIMENSION CHART:

Part No	L	W	H
HLHB2401B-80W	25.75"	12.80"	2"
HLHB2402B-110W			
HLHB2403B-160W			
HLHB2404B-220W			
HLHB4405B-225W	47"	12.80"	2"
HLHB4406B-300W			
HLHB3410B-225W	36.54"	12.80"	2"

DLC PREMIUM QPL LISTED | ETL LISTED c us Intertek | 120-277 VOLT | 120-347 VOLT | 80 CRI | IP65 | 5 YEAR WARRANTY | UL

LED LINEAR HIGH BAY LIGHT
SMART 400B SERIES

PARAMETER

Ordering information	MA-HLHB2401B-80W-CCT-D-HV-M-B

FAMILY	WATTAGE	CCT	D	HV	SENSOR MODEL	OPTIONS
MA-HLHB2401B= LED Linear High Bay Light 400B Series	80W	[1]TCP=3CCT Selectable	Dimming	HV=347V LV=277V	M=Microwave P=PIR	B=BLE Control EM= Emergency Driver

[1]TCP=3000K/4000K/5000K DIP Selectable

SPECIFICATION:

ITEM	SPECIFICATION	HLHB2401B	HLHB2402B	HLHB2403B	HLHB2404B	HLHB4405B	HLHB4406B
		DETAILS					
GENERAL PERFORMANCE	Power Consumption	80W	110W	160W	220W	225W	300W
	Equivalent Wattage	175W HID	250W HID	400W HID	750W HID	750W HID	1000W HID
	Lumens Delivered	10,800 lm	14,850 lm	22,275 lm	29,700 lm	30,375 lm	40,500 lm
	Efficacy	135m/W					
	CRI	>80					
	Color Temperature	3500K; 4000K; 5000K Single or 3500K/ 4000K / 5000K Selectable					
	L70 Lumen maintenance	≥50,000H					
ELECTRICAL	Power Factor	>0.9					
	Input Voltage	120-277V, 120-347V					
	Dimming	1-10v Dimming Range:10%-100%					
	Surge Protection	Surge protection: 4KV line-line, 6KV line-earth					
PHYSICAL	Mounting	Suspending, Pole Pandent, Surface mounted					
	Operating Temperature	- 4°F~122°F					
	Humidity	20% to 80% RH non-condensing					
QUALIFICATION	Qualifications	ETL & FCC listed; With LM79 & LM80;					
	Material Usage	RoHS compliant; no mercury					
	Environment	Indoor / Wet					
	Warranty	5 year warranty					

*To stem mount product, remove hook in the field.

ACCESSORIES (For APP Smart Fixture):

MODEL NUMBER	DESCRIPTION	IMAGE
MA-LH101M	Bluetooth microwave motion sensor	
MA-LH201P	Bluetooth PIR motion sensor	

ACCESSORIES:

MODEL NUMBER	DESCRIPTION		IMAGE
Suspending	Suspeding chain 2pcs V hook 2pcs Wire nuts 5pcs		
Pole Pandent	Mental plate 2pcs Buckle 1pcs Screws 4pcs Mounted screws 2pcs		
Surface Mounted	Bracket 2pcs		
Emergency Driver	8W Built-in Emergency Driver		
Emergency Driver	24W Built-in Emergency Driver		
Wire Guard	LHB1D 23.82"x10.22"x0.71" LHB2D 23.82"x13.15"x0.71" LHB3D 23.82"x17.87"x0.71" LHB5D 45.87"x13.15"x0.71"		

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

PHOTOMETRIC REPORTS

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

MA-HLHB2400B Series

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
C0/180,86.8
C30/210,89.0
C60/240,89.1
C90/270,91.1

AVERAGE BEAM ANGLE(50%):89.0 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:1x)

1600	270
1300	210
1100	130
800	110
530	80.0
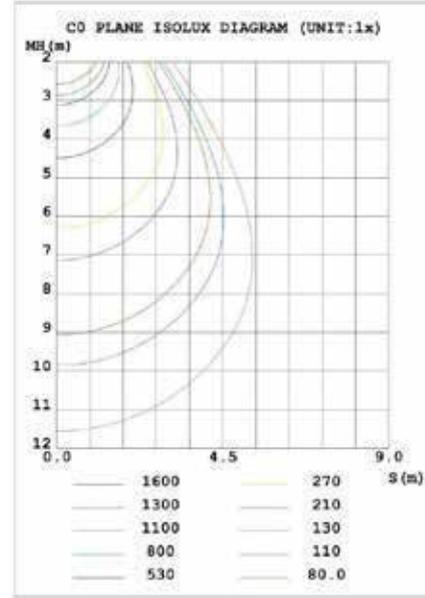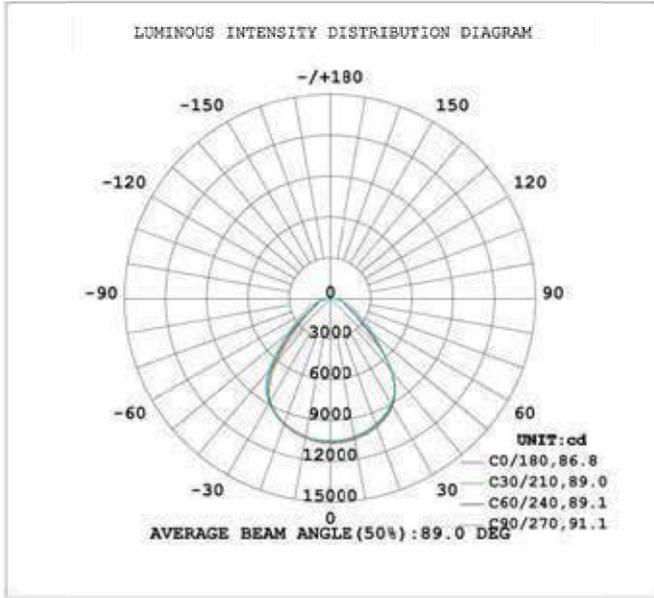
MICROWAVE SENSOR COVERAGE:

13-40ft

Height of installation13-40ft

100%
75%
50%
20%

26' 20' 13' 13' 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

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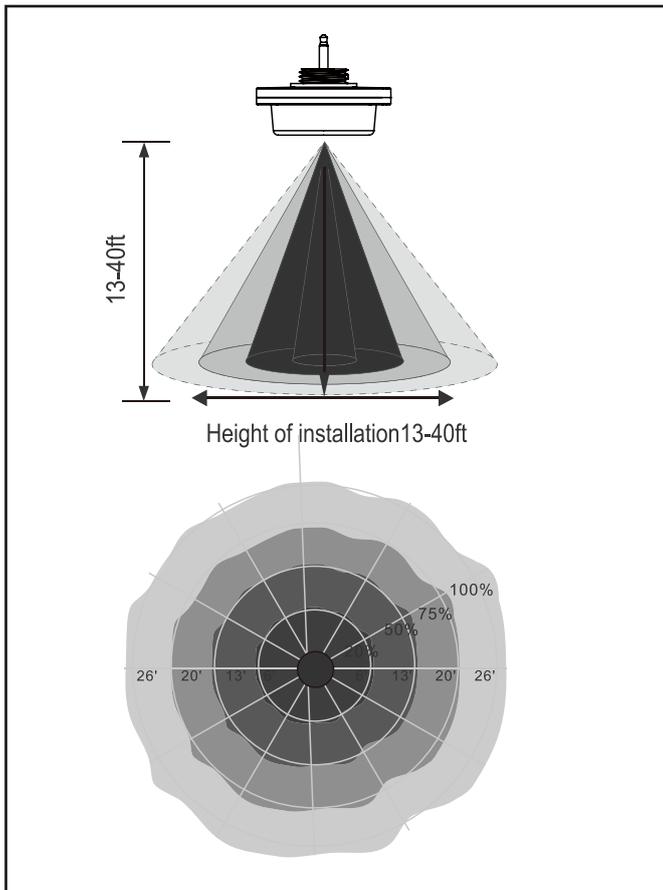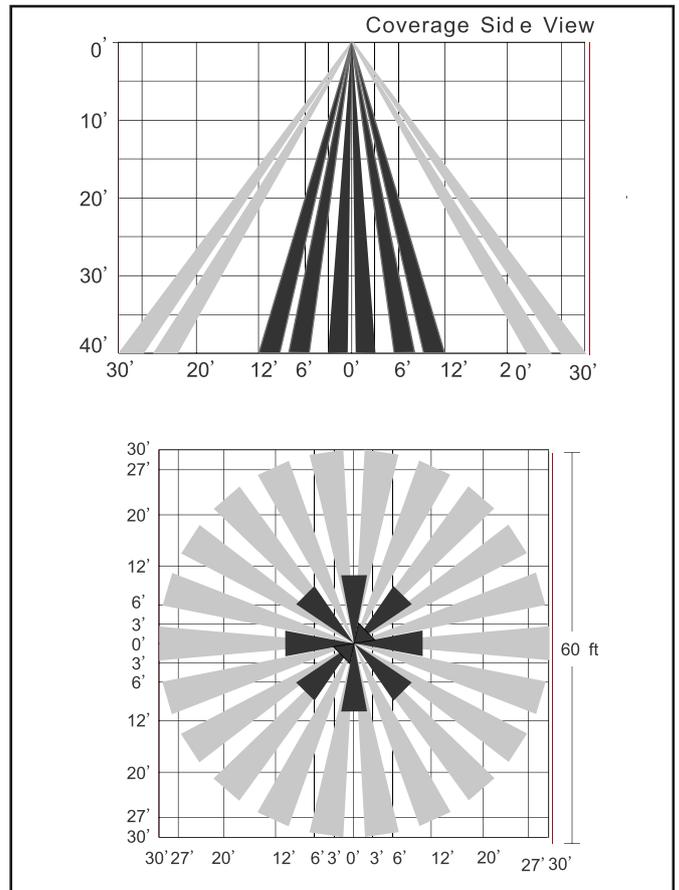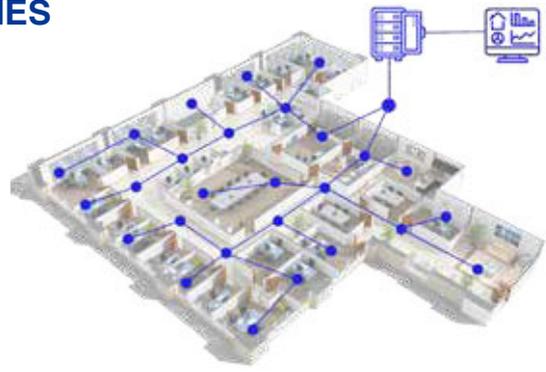
Our Smart Lighting Solutions

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.

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