

LED HIGH BAY LINEAR ECO SERIES

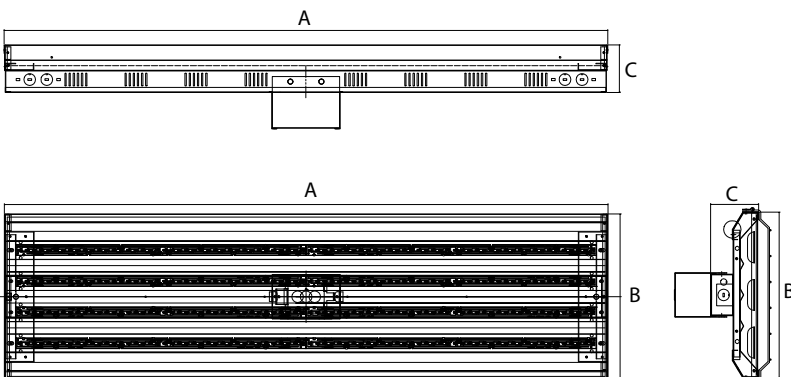


PRODUCT DESCRIPTION:

The Eco High Bay Series is a cost-effective and quality solution for lighting warehouses, distribution centers, manufacturing facilities, big box retailers, and other industrial applications. A dimmable product (4ft length) made of galvanized steel housing and white electrostatic powder coat finish, it delivers a high lumen output to replace both 8 T5HO fluorescent high bay or up to 1000W HID high bay fixtures. Cable, pendant and surface mounting options enable the high bay to be customized to meet virtually any lighting requirement.

FEATURES:

- Dimmable product
- Operating temperature -20°C to 50°C (-4°F to 122°F)
- Suitable for Damp locations
- L70 lumen maintenance of 100,000 hours
- Translucent lens standard to minimize glare
- V hook and 40" chain included
- Additional mounting options available (not included)
- Remote control required for commissioning of sensor
- 5 year limited warranty



DIMENSIONS			
PRODUCT	A	B	C
BLHE-223DU50	45.9"	12.6"	3.62"
BLHE-223DU50MS	51.4"	12.6"	3.6"
BLHE-321DU50	45.9"	17.3"	3.62"
BLHE-321DU50MS	51.4"	17.3"	3.6"

MODEL SELECTION

Typical order example: BLHE-223DU50MS

BLHE		D	U	50	
FAMILY	WATTAGE (NOMINAL)	DIMMING	VOLTAGE	CCT	OPTIONS
BLHE= ECO Linear High Bay	223= 223W 321= 321W	D= Dimming	U= 120-277V	50= 5000K	(OMIT)= None MS= Bi-Level Motion Sensor with Remote Control Capability

SPECIFICATIONS:


		BLHE-223DU50	BLHE-321DU50
ITEM	SPECIFICATION		
GENERAL PERFORMANCE	Power Consumption (W)	212.4	318.3W
	Lumens Delivered (lm)	27,700 lm	41,000 lm
	Efficacy (lm/W)	130.4	128.8
	CRI	≥80	
	Color Temperature (K)	5000K	
	L70 Lumen Maintenance* (hours)	>100,000 hrs.	
	Color Consistency	Proprietary binning for uniform color	
ELECTRICAL	Power Factor	≥0.9	
	Input Voltage	120-277V	
	Dimming	Dimmable (0-10V)	
PHYSICAL	Mounting	40" Chain standard	
	Operating Temperature	-4°F to 122°F	
	Humidity	20-85% RH, non-condensing	
QUALIFICATION	Qualification	DLC Premium, FCC, and cULus	
	Material Usage	RoHS compliant; no mercury	
	Environment	Indoor / Damp	
	Warranty	5 years Standard (Check Maxlite.com for other options and operating conditions)	

*L70 Lumen maintenance calculated for LED chip at max Ambient of 122°F (50°C)









ORDERING:

ORDER CODE	MODEL	WATTAGE
14098780	BLHE-223DU50	223
14098816	BLHE-223DU50MS	
14098781	BLHE-321DU50	321
100131	BLHE-321DU50MS	

SENSOR INFORMATION:

SENSOR	TECHNOLOGY	DIMMING	DAYLIGHT HARVESTING	REMOTE CONTROL	QR CODE
MS	HIGH FREQUENCY	BI-LEVEL	SET POINT	YES	
BLHE-MSOKIT	PIR	ON/OFF	SET POINT	NO	

*For motion sensor settings and information, please visit www.maxlite.com/controls

ACCESSORIES				
DESCRIPTION	APPLICATION	MODEL NUMBER	ORDER CODE	ACCESSORY IMAGE
Wireguard	223W	BLHE223-WGW	100468	
	321W	BLHE321-WGW	100469	
Surface Mount Kit	223W	BLHE90-SMK	1409600	
	321W	BLHE-SMK	1409137	
Stem Mount Kit	All Wattages	BLHE-MPK	1409161	
Field Installable On/Off PIR Motion Sensor Kit	All Wattages	BLHE-MSOKIT	1409828	
15' Cable Kit	All Wattages	MLCHKLSU15	74138	
20' Cable Kit	All Wattages	MLCHKSQ	71119	
Remote Control for Sensor Commissioning	All Wattages	RMHYTHRC-05	108133	
Field Installable Battery Backup - Provides 1300 lumens for 90 minutes	All Wattages	EBUUP5017D01108	100750	

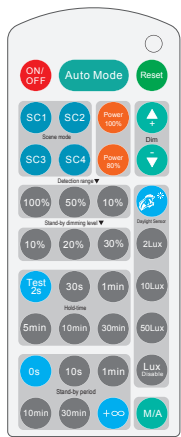
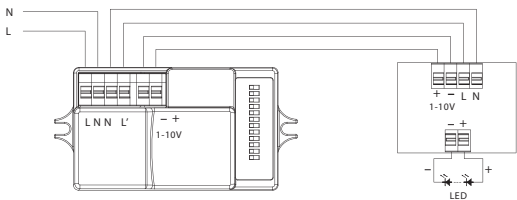
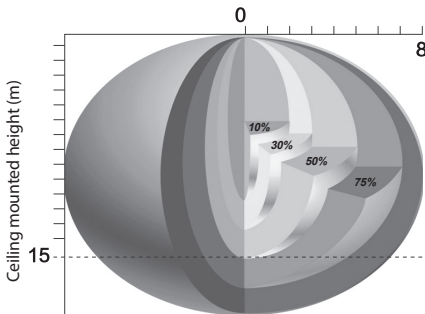
Below are all available settings for the MS (motion sensor) option. Default settings are highlighted in green. To change the default settings, purchase of the remote control (RMHYTHRC-05) is required.

1 Detection Range

Sensor sensitivity can be adjusted by selecting the combination on the DIP switches to fit precisely for each specific application.

	1	2	
I	●	●	100%
II	●	○	75%
III	○	●	50%
IV	○	○	10%

- I – 100%
- II – 75%
- III – 50%
- IV – 10%



Note: the buzzer beeps one time when RC receives signal successfully.

2 Hold-time

Select the dip switch configuration for the full brightness on-time after presense detection.

Please note that this function is disabled when the natural daylight exceeds the daylight threshold setting for more than 5 minutes.

	1	2	3	
I	●	●	●	5s
II	●	●	○	30s
III	●	○	●	1min
IV	●	○	○	5min
V	○	●	●	10min
VI	○	●	○	20min
VII	○	○	○	30min

- I – 5s
- II – 30s
- III – 1min
- IV – 5min
- V – 10min
- VI – 20min
- VII – 30min

3 Daylight Threshold

Set the level according to the fixture and environment. The light will not turn on if ambient lux level exceeds the daylight threshold preset.

Please note that the ambient lux level refers to internal light reaching the sensor.

Disabling the daylight sensor will put the sensor into occupancy detection only mode.

	1	2	
I	●	●	Disable
II	●	○	50Lux
III	○	●	10Lux
IV	○	○	2Lux

- I – Disable
- II – 50Lux
- III – 10Lux
- IV – 2Lux

4 Stand-by period (corridor function)

This is the time period you would like to keep at the low light output level before it is completely switched off in the long absence of people.

Note: "0s" means on/off control;

"+ ∞" means the stand-by time is infinite and the fixture never switches off.

	1	2	3	
I	●	●	●	0s
II	●	●	○	10s
III	●	○	○	1min
IV	●	○	○	5min
V	○	●	○	10min
VI	○	●	○	30min
VII	○	○	●	1H
VIII	○	○	○	+∞



I – 0s
II – 10s
III – 1min
IV – 5min
V – 10min
VI – 30min
VII – 1H
VIII – +∞

5 Stand-by dimming level

The setting is used to select the desired dimmed light level used in periods of absence for enhanced comfort and safety.

	1	2	
I	●	●	10%
II	●	○	20%
III	○	●	30%
IV	○	○	50%



I – 10%
II – 20%
III – 30%
IV – 50%

Sensor Data

Model No.	
Sensor principle	High Frequency (microwave)
Operation frequency	5.8GHz +/- 75MHz
Transmission power	<0.2mW
Detection range:	
SAM5 SAM9	Max. (Ø x H) 8m x 5m
SAM6	Max. (Ø x H) 16m x 15m
Detection angle	30° ~ 150°

DIP Switch Settings:

Sensitivity	10% / 50% / 75% / 100%
Hold-time	5s ~ 30min (selectable)
Daylight threshold	2 ~ 50 lux, disabled
Stand-by period	0s ~ 1h, +∞ (selectable)
Stand-by dimming level	10% / 20% / 30% / 50%

Environment

Operation temperature	Ta: -20°C ~ +60°C
Case temperature (Max.)	Tc: +80°C
IP rating	IP20