

LED HIGH BAY LINEAR ECO SERIES

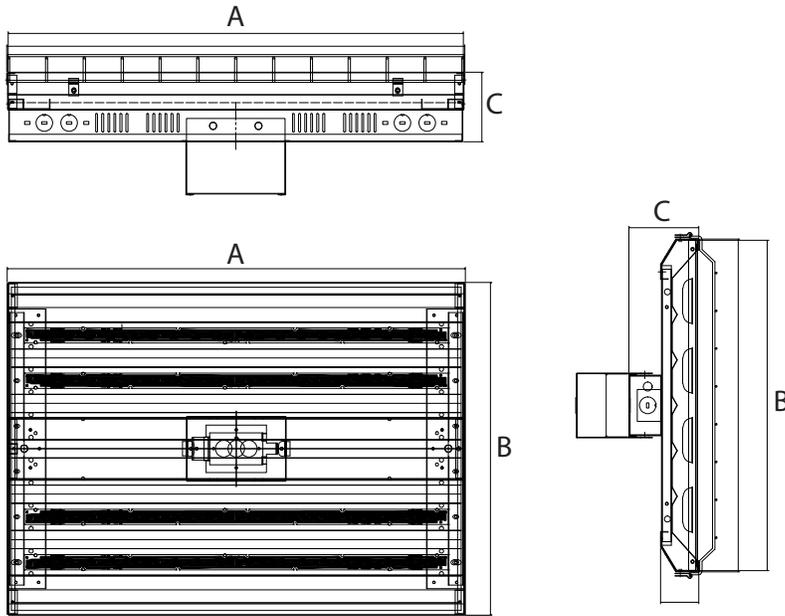


PRODUCT DESCRIPTION:

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 and compact product made of galvanized steel housing and white electrostatic powder coat finish, it delivers a high lumen output to replace both 4 or 6 lamp T5HO fluorescent highbay or 400W HID highbay fixtures. Cable, pendant and surface mounting options enable the highbay 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)
- Field installable battery backup unit
- 5 year limited warranty
- Remote control required for commissioning of sensor



DIMENSIONS			
PRODUCT	A	B	C
BLHE-090DUXX	23.8"	12.6"	3.62"
BLHE-090DUXXMS	29.3"	12.6"	3.62"
BLHE-135DUXX	23.8"	17.3"	3.62"
BLHE-135DUXXMS	29.3"	17.3"	3.62"
BLHE-162DUXX	23.8"	17.3"	3.62"
BLHE-162DUXXMS	29.3"	17.3"	3.62"

MODEL SELECTION (Full list of order codes on pg. 2)			Typical order example: BLHE-090DU50				
BLHE	-		D	U			
FAMILY	-	WATTAGE (NOMINAL)	DIMMING	VOLTAGE	CCT	OPTIONS	
BLHE=	ECO Linear High Bay	-	090= 90W 135= 135W 162= 162W	D= Dimming	U= 120-277V	40= 4000K* 50= 5000K	(OMIT)= None MS= Bi-Level Motion Sensor with Remote Control Capability

*4000K available for 135W and 162W only

SPECIFICATIONS:

SPECIFICATIONS:		BLHE-090DU50	BLHE-135DU50	BLHE-162DU50
ITEM	SPECIFICATION	DETAILS		
GENERAL PERFORMANCE	Power Consumption (W)	87.8 W	133.6 W	161.0 W
	Lumens Delivered (lm)	11,400 lm	17,420 lm	20,850 lm
	Efficacy (lm/W)	130 lm/W	130 lm/W	130 lm/W
	CRI	≥80		
	Color Temperature (K)	4000K, 5000K (Additional CCTs available, please contact MaxLite for information)		
	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	V hook and 40" chain standard (see Mounting Accessories chart for other options)		
	Operating Temperature	-4°F to 122°F		
	Humidity	20-85% RH, non-condensing		
QUALIFICATION	Qualification	DLC Premium, FCC, 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 NUMBER	WATTAGE	CCT
1409597	BLHE-090DU50	90	5000K
1409598	BLHE-090DU50MS		
100704	BLHE-135DU40	135	4000K
100746	BLHE-135DU40MS		
1410098	BLHE-135DU50		5000K
1410108	BLHE-135DU50MS		
100705	BLHE-162DU40	162	4000K
100747	BLHE-162DU40MS		
1409257	BLHE-162DU50		5000K
1409258	BLHE-162DU50MS		

SENSOR INFORMATION:

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

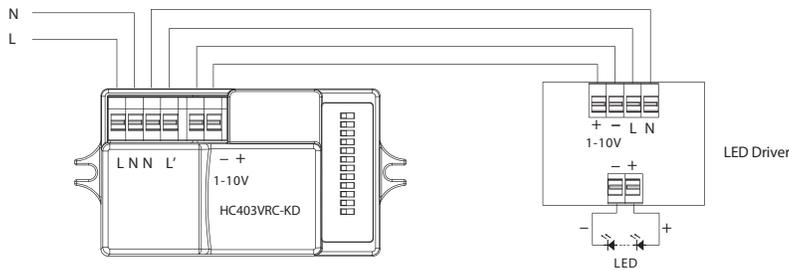
*For motion sensor setting and information, please visit www.maxlite.com/controls

ACCESSORIES				
DESCRIPTION	APPLICATION	MODEL NUMBER	ORDER CODE	ACCESSORY IMAGE
Wireguard	90W	BLHE90-WGW	1409599	
	135W & 162W	BLHE-WGW	1409161	
Surface Mount Kit	90W	BLHE90-SMK	1409600	
	135W & 162W	BLHE-SMK	1409137	
Stem Mount Kit	All Wattages	BLHE-MPK	1409138	
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	
Field Installable Battery Backup - Provides 1300 lumens for 90 minutes	All Wattages	EBUUP5017D01108	100750	
Remote Control for Sensor Commissioning	All Wattages	RMHYTHRC-05	108133	

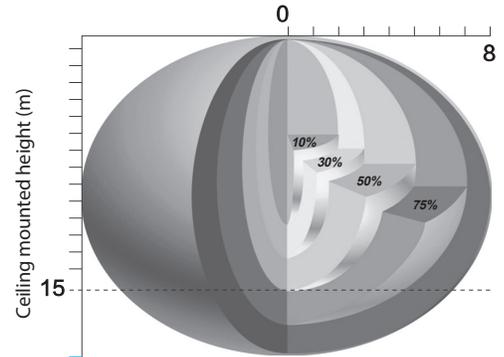
* No mounting hardware is included. Battery backup must be remote installed.

SENSOR SPECIFICATION:

These fixtures use a high frequency sensor designed specifically for high bays. The sensors are able to “see through” sheetrock walls (and all other non-metal, non-concrete surfaces). If your application requires PIR technology, please contact MaxLite for field installable PIR kits. Remote control required for commissioning of sensor.



Model SAM6



HRC-05
Note: the buzzer beeps one time when RC receives signal successfully.

Below are all available settings for the MS (motion sensor) option. Default settings are highlighted in green.

- 1 Detection Range**

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

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

I – 100%
II – 75%
III – 50%
IV – 10%
- 2 Hold-time**

Select the dip switch configuration for the full brightness on-time after presence detection. Please note that this function is disabled when the natural daylight exceeds the daylight threshold setting for more than 5 minutes.

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.

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.

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.

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

I – 10%
II – 20%
III – 30%
IV – 50%

Sensor principle	High Frequency (microwave)
Operation frequency	5.8GHz +/- 75MHz
Transmission power	<0.2mW
SAM5 SAM9	Max. 8m x 5m
SAM6	Max. 16m x 15m
Detection angle	30° ~ 150°
DIP Switch Settings (HC403VRC-KD):	
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%
Operation temperature	Ta: -20°C ~ +60°C
Case temperature (Max.)	Tc: +80°C
IP rating	IP20