

LED HIGH BAY LINEAR
ECO SERIES

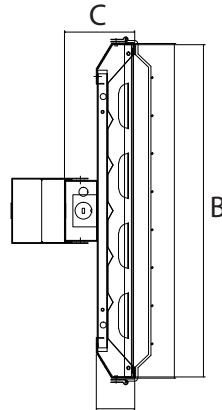
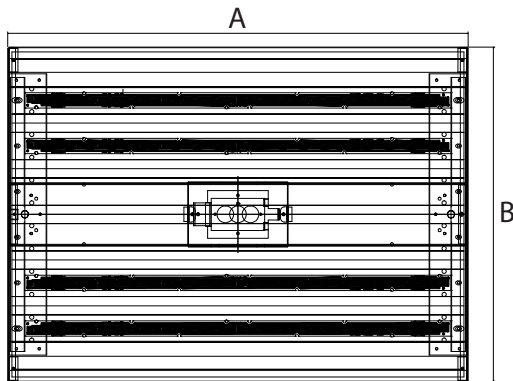
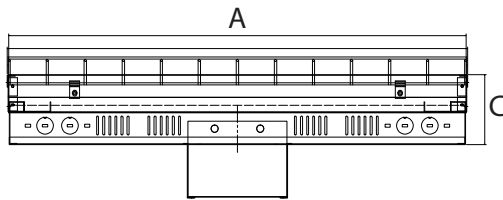


PRODUCT DESCRIPTION:

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 50,000 hours
- Translucent lens standard to minimize glare
- V hook and chain mount standard, included additional mounting options available
- Field installable battery backup unit
- 5 year limited warranty



DIMENSIONS			
PRODUCT	A	B	C
BLHE-090DU50	23.8"	12.6"	3.62"
BLHE-090DU50MS	29.3"	12.6"	3.62"
BLHE-135DU50	23.8"	17.3"	3.62"
BLHE-135DU50MS	29.3"	17.3"	3.62"
BLHE-162DU50	23.8"	17.3"	3.62"
BLHE-162DU50MS	29.3"	17.3"	3.62"

MODEL SELECTION (Full list of order codes on pg. 2)








Typical order example: BLHE090DU50

BLHE		D	U	50	
FAMILY	WATTAGE (NOMINAL)	DIMMING	VOLTAGE	CCT	OPTIONS
BLHE= ECO Linear High Bay	090= 90W 135= 135W 162= 162W	D= Dimming	U= 120-277V	50= 5000K	(OMIT)= None MS= Bi-Level Sensor

SPECIFICATIONS:		BLHE-090DU50	BLHE-135DU50	BLHE-162DU50
ITEM	SPECIFICATION	DETAILS		
GENERAL PERFORMANCE	Power Consumption (W)	90W	133W	162W
	Lumens Delivered (lm)	12,160 lm	17,400 lm	20,700 lm
	Efficacy (lm/W)	135	131	130
	CRI	≥80		
	Color Temperature (K)	5000K (Additional CCTs available, please contact MaxLite for information)		
	L70 Lifetime (hours)	50,000		
	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 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 year limited warranty		

ORDERING:

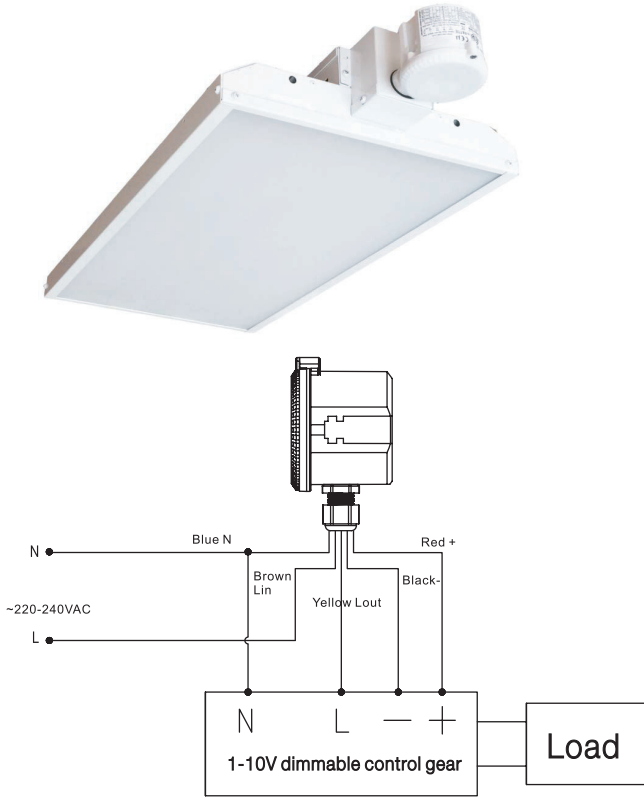
ORDER CODE	MODEL NUMBER	WATTAGE
1409597	BLHE-090DU50	90
1409598	BLHE-090DU50MS	
1410098	BLHE-135DU50	135
1410108	BLHE-135DU50MS	
1409257	BLHE-162DU50	162
1409258	BLHE-162DU50MS	

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	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	
Field Installable Battery Backup - Provides 1600 lumens for 90 minutes	All Wattages	*EBUDV6012D200A	74934	

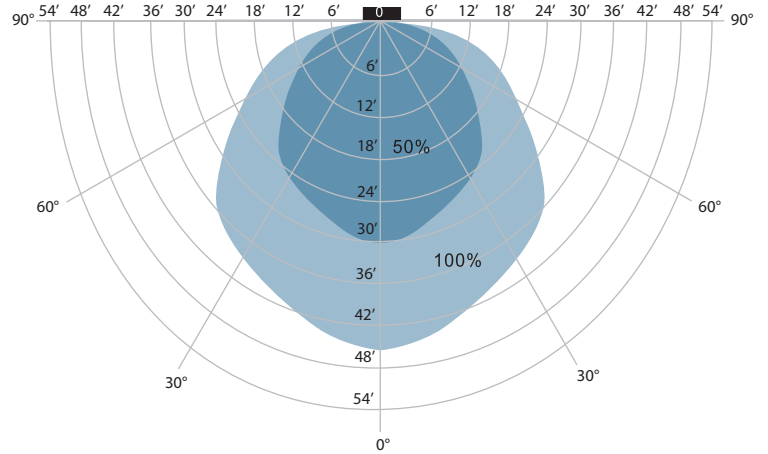
* No mounting hardware is included. Battery backup must be remote installed.

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.



Detection area vs Mounting height



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

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.

ON	1	
I	ON	100%
II	-	50%

Sensitivity Adjustment for Detection Area

For mounting heights greater than 30 ft, set detection area to 100%. For mounting heights less than 30 ft, set detection area to 50%

ON	2	3	4	SS
I	ON	ON	ON	30s
II	-	ON	ON	90s
III	ON	-	ON	30min
IV	-	-	ON	20min
V	ON	ON	-	30min
VI	-	-	-	30min

Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

ON	5	6	7	∞
I	ON	ON	ON	60min
II	-	ON	ON	30min
III	ON	-	ON	10min
IV	-	-	ON	5min
V	ON	ON	-	30min
VI	-	-	-	30min

Stand-by period

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people. When set to Disable mode, the low light is maintained until motion is detected.

ON	8	9	
I	ON	ON	50%
II	-	ON	30%
III	ON	-	20%
IV	-	-	10%

Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.

ON	10	11	12	
I	ON	ON	ON	Disable
II	-	ON	-	200lux
III	ON	-	-	100lux
IV	-	-	-	50lux

Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level. Note that daylight sensor is active only when lamp totally switches off.

Operating voltage 120~277Vac, 50Hz/60Hz

Rated load	400W@120Vac, 800W@220-277Vac (inductive) 800W@120Vac, 1200W@220-277Vac (resistive)
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HF system	5.8GHz±75MHz, ISM wave band
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Transmitting power	<0.5mW
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Power consumption	≤0.8W(standby), <1.5W(operation)
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Detection zone	Max.(D x H): 16m x 15m
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Detection sensitivity	100% / 50%
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Hold time	5s / 30s / 90s / 3min / 20min / 30min
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Daylight sensor	50lux / 100lux / 200lux / Disable
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Stand-by period	5s / 5min / 10min / 30min / 1h / ∞
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Stand-by dimming level	10% / 20% / 30% / 50%
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Mounting height	15m Max.
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Motion detection	0.5~3m/s
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Detection angle	150°(wall installation), 360°(ceiling installation)
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Operating temperature	-35°C~70°C
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