

LED HIGH BAY LINEAR
ECO SERIES

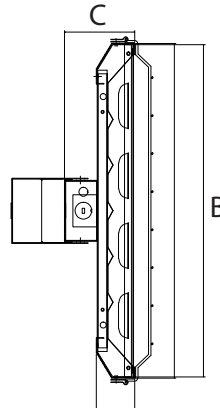
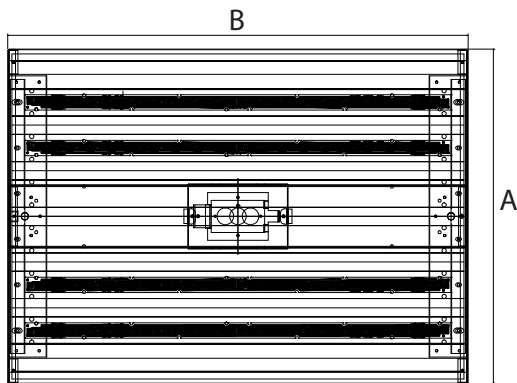
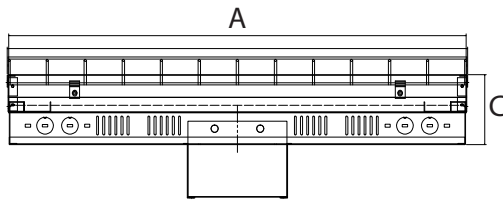


PRODUCT DESCRIPTION:

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-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 162= 162W	D= Dimming	U= 120-277V	50= 5000K	(OMIT)= None MS= Bi-Level Sensor

SPECIFICATIONS:

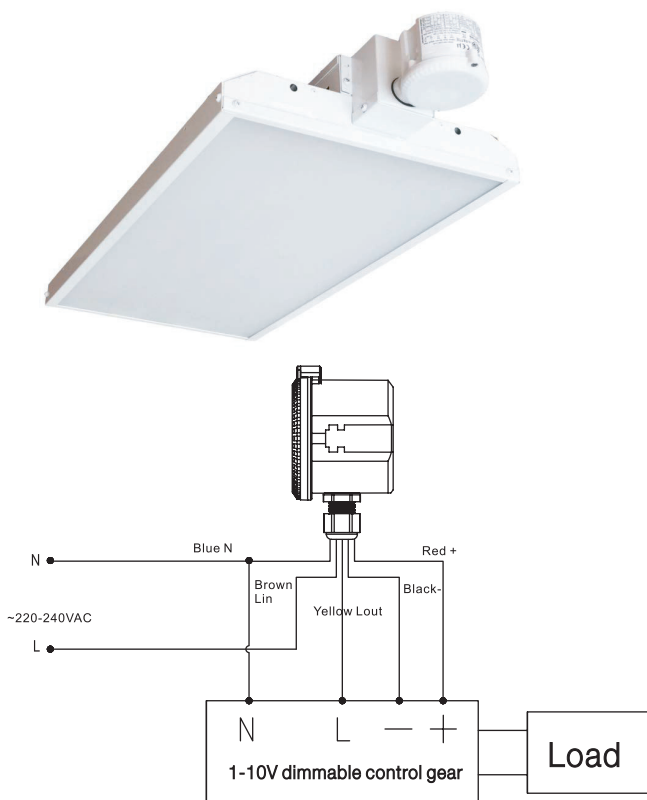
		BLHE-090DU50XX	BLHE-162DU50XX
ITEM	SPECIFICATION	DETAILS	
GENERAL PERFORMANCE	Power Consumption (W)	90W	162W
	Lumens Delivered (lm)	12,160 lm	20,700 lm
	Efficacy (lm/W)	135	130
	CRI	≥80	
	Color Temperature (K)	5000K	
	L70 Lifetime (hours)	50,000	
	Color Consistency	Proprietary binning for uniform color	
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:

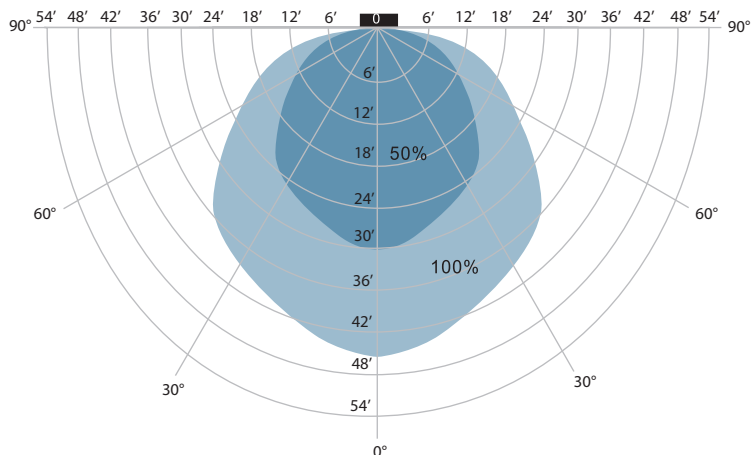
ORDER CODE	MODEL #	WATTAGE
1409597	BLHE-090DU50	90
1409598	BLHE-090DU50MS	
1409257	BLHE-162DU50	162
1409258	BLHE-162DU50MS	

ACCESSORIES				
DESCRIPTION	APPLICATION	MODEL NUMBER	ORDER CODE	ACCESSORY IMAGE
Wireguard	90W	BLHE90-WGW	1409599	
	162W	BLHE-WGW	1409161	
Surface Mount Kit	90W	BLHE90-SMK	1409600	
	162W	BLHE-SMK	1409137	
Stem Mount Kit	90W & 162W	BLHE-MPK	1409161	
15' Cable Kit	90W & 162W	MLCHKLSU15	74138	
20' Cable Kit	90W & 162W	MLCHKSQ	71119	
Field Installable Battery Backup - Provides 1600 lumens for 90 minutes	90W & 162W	EBUDV6012D200A	74934	

SENSOR SPECIFICATION:



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	I	1	100%
OFF	II	-	50%

Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

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

Hold time

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

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

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	I	8	9	
OFF	II	ON	ON	50%
OFF	III	ON	-	30%
OFF	IV	ON	-	20%
OFF	V	-	-	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	I	10	11	12
OFF	II	ON	ON	Disable
OFF	III	-	ON	200lux
OFF	IV	-	-	100lux
OFF	V	-	-	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)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤0.8W(standby), <1.5W(operation)
Detection zone	Max.(D x H): 16m x 15m
Detection sensitivity	100% / 50%
Hold time	5s / 30s / 90s / 3min / 20min / 30min
Daylight sensor	50lux / 100lux / 200lux / Disable
Stand-by period	5s / 5min / 10min / 30min / 1h / ∞
Stand-by dimming level	10% / 20% / 30% / 50%
Mounting height	15m Max.
Motion detection	0.5~3m/s
Detection angle	150°(wall installation), 360°(ceiling installation)
Operating temperature	-35℃~70℃