



PROJECT NAME

CATALOG NO.

TYPE

DATE

NOTE

SLIM LINEAR LED HIGH BAY

EHB Series

High / Low Bays

DESCRIPTION

The Alphalite EHB Series Slim Linear LED High Bay delivers high lumen output, long life, economic solution, and no restrike time. This energy-efficient LED luminaire offers one-to-one replacement of existing HID or fluorescent high bays. Precision-formed reflectors delivers adequate light in high mounting applications. Modular driver and LED arrays. Economic solution to optimize payback. Capable of being operated with occupancy sensor



APPLICATION

Various commercial industrial applications with high ceilings: warehouse, manufacturing facilities, retail, gymnasiums, grocery.



SPECIFICATION FEATURES

Construction

Rigid, low-profile steel housing. Precision-engineered and manufactured optics to optimize light delivery to the working plane. Convenient mounting options and sufficient knockouts for controls integration and multiple connection options. Housing features radiator slots for heat dissipation and low temperature LED operation. LED module and driver are replaceable. Housing and optics maintain damp location rating with all internal components.

Mounting

Comes standard equipped with V-hooks for mounting. Various mounting options available: surface, suspension, air craft cable, and chain.

Finish

Highly reflective finish. Baked white paint, applied after fabrication.

Electrical

Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable LED driver. 120V-277V input voltage for increased versatility. 0-10V continuous dimming comes standard. Ideal when used in conjunction with controls and sensors. Comes equipped with quick disconnect for compliance with US code.

Optics

Die formed, 95% reflectivity optical reflectors optimizes performance and light delivery. Comes standard with high transmission frosted lens.

Certifications / Regulatory

All components used have UL approval. UL Class 2. Power supply: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2.

Warranty

7-year limited warranty. See complete warranty terms for details.

Quick Ship Product

EHB2-90/840
EHB2-110/840
EHB2-110/850
EHB2-162/840
EHB2-162/850
EHB4-223/840
EHB4-223/850
EHB4-321/850

ORDERING INFORMATION

Sample Number: EHB2-162/850

EHB	4	L	8	40	(Blank)	(Blank)
Series EHB - Slim Linear LED High Bay	Form Factor 2 - 2' 4 - 4'	Lumen Package 2' length: 90 - 90W 110 - 110W 162 - 162W 4' length: 223 - 223W 321 - 321W	CRI 8 - 82+ CRI	CCT 40 - 4000K 50 - 5000K	Input Voltage (Blank) - 120V-277V 480 - 480V	Dimming (Blank) - 0-10V Continuous Dimming

Options

Accessories

WG - Wire Guard (see pg. 2 for details)
PMK - Single-point pendant mount kit
SMK - Surface mount kit
ACC - Aircraft cable suspension kit
CHS - S-chain set (4 1/4")
CRD-x - SJTOW black cord, 18/3, x=length
TLP - Nema locking plug

Controls

PIR - PIR Occupancy On/Off Sensor
PIRD - On/off PIR High Bay motion and daylight sensor
DL - Integrated daylight harvesting
SMC - Smart Control System
OS - Step dimming PIR motion sensor and daylight sensor. (Requires OS-618-RC101 Sensor Configuration Tool. Not included)
SG10 - 10KA Surge Protection

Emergency Backup

(Lumen will maintain over the 90-minute duration)
EM700 - 700lm
EM1400 - 1400lm
EM2000 - 2000lm

Assembly in USA

BAA - Assembly in USA



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SUMMARY

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Power Factor	> 0.95
THD (Max.)	20%
Efficacy	> 130 LPW
Controls/ Dimming	Full Range 0-10V dimming standard
Dimming Range	10-100%
CRI	83+, R9 > 0
CCT	4000K and 5000K
Operating Temp.	-20- +55C
Rated Life	70,000 hours

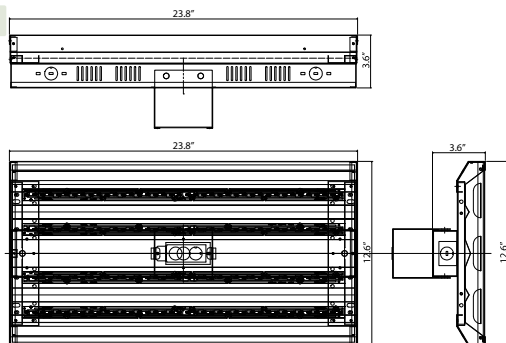
ENERGY PERFORMANCE DATA

Form Factor	Part No.	Rated Wattage (W)	Tested Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
2' Frosted Lens	EHB2- 90/840	90	90	11700	130
	EHB2- 90/850			11790	131
	EHB2- 110/840	110	105	14300	130
	EHB2- 110/850			14410	131
	EHB2- 162/840	162	159	21060	130
	EHB2- 162/850			21222	131
4' Frosted Lens	EHB4-223/840	223	210	28990	130
	EHB4-223/850			29213	131
	EHB4-321/840	321	313	41730	130
	EHB4-321/850			42051	131

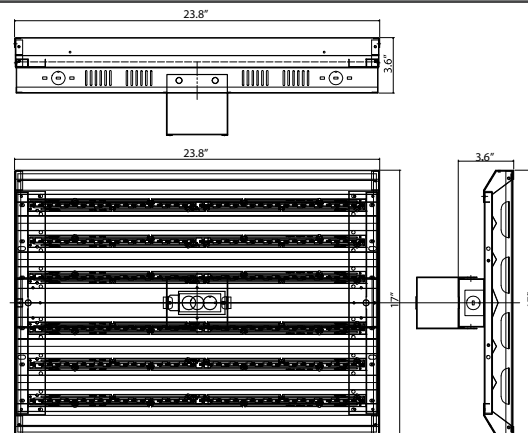
PHYSICAL PARAMETERS

DIMENSION

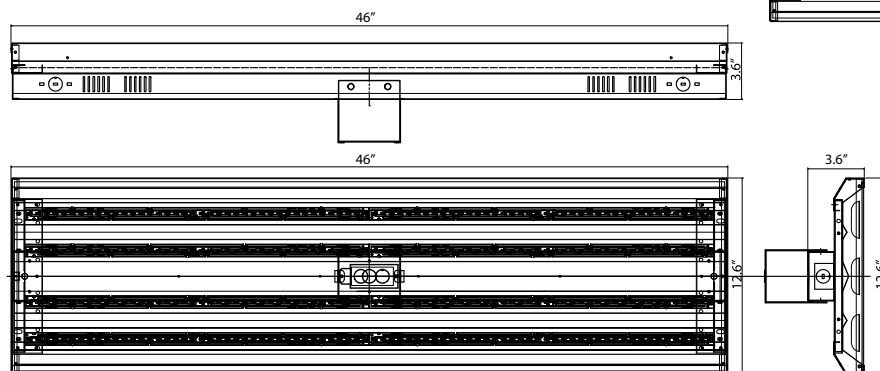
EHB2-90 and 110



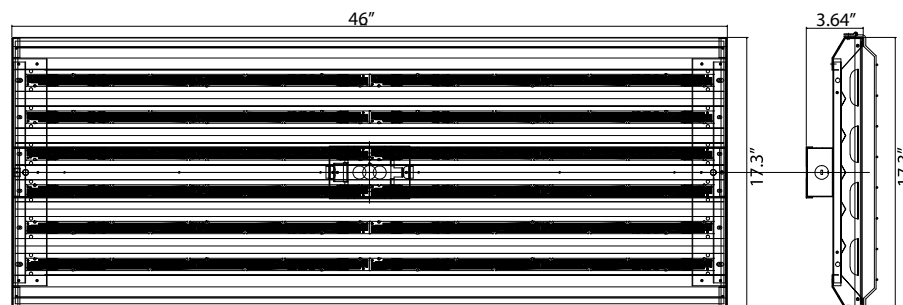
EHB2-162



EHB4-223



EHB4-321



ACCESSORY

Wire Guard

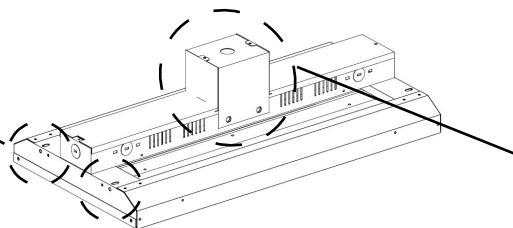


Part # for ordering separately:

EHB-WG-2L4M	(Wire guard for EHB2-110)
EHB-WG-2L6M	(Wire guard for EHB2-162)
EHB-WG-4L4M	(Wire guard for EHB4-223)
EHB-WG-4L6M	(Wire guard for EHB4-321)

Mounting

V-Clips, air-craft cable, and chain.



Pendant Hanger



WIRELESS SMART CONTROL SYSTEM (ASMC)

The Alphilite Wireless Smart Control System is an ideal choice to provide convenient control of lighting. The LED controller uses wireless technology to communicate with other self-powered products in the system and provides an amazingly simple solution for dimming control of LED lighting.

APPLICATION

Versatile solution for general purpose applications. Ideal for multi level building, offices, school, warehouse, manufacturing facilities, and spaces that demand energy demand reduction and high quality light.

BENEFITS

- Reliable, longer indoor range wireless communication
- Easy Design-in
- License-free
- Self-powered
- Lower energy costs
- Lower installation costs
- Strength of interoperability
- Convenient access to replaceable, standard components reduces life cycle costs

