



PROJECT

TYPE

DATE

ITEM NO.

NOTE

SLIM LINEAR LED HIGH BAY

EHB5.1 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 reflectivity 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. 10kA Surge Protection available upon request.

Optics

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

Certifications / Regulatory

cULus listed. UL Class 2 Power supply: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC premium listed.

Warranty

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

Quick Ship Product

EHB2-105/840
EHB2-105/850
EHB2-155/840
EHB2-155/850
EHB4-210/840
EHB4-210/850
EHB4-300/850
EHB4-300/840
EHB4-400/850

ORDERING INFORMATION

Sample Number: EHB2-155/840

Series	Form Factor	Lumen Package		CRI	CCT
EHB - Slim Linear LED High Bay	2 - 2'	2'	4'	8 - 80+ CRI	40 - 4000K 50 - 5000K
	4 - 4'	105 -105W, 14175lm	210 -210W, 28350lm		
		155 -155W, 20925lm	300 - 300W, 40500lm		
			400 - 400W, 54000lm		
			210/170/155 - 210/170/155W, 28350/22950/20925lm		

Input Voltage	AUX Power	Driver Options	Assembly in USA
(Blank) - 120-277V C - 120-347V 480 - 480V	(Blank) - Without AUX Power 12V - With DC12V	CT - Cold temperature driver, -40°F-131°F (-40°C-55°C)	BAA - Assembly in USA

Accessories	Control Options	Emergency Backup
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	PIR - On/off PIR High Bay motion 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. SPD - 10KV Surge Protection Device Remarks: Sensor configuration tool remote control required, not included	(Lumen will maintain over the 90-minute duration) EM700 - 700lm EM1400 - 1400lm EM2000 - 2000lm

SUMMARY

Input Voltage	120-277V
Input Frequency	50/60 Hz
Power Factor	>0.95
THD (Max.)	20%
Efficacy	135 LPW
Controls/ Dimming	Full Range 0-10V dimming standard
Dimming Range	10-100%
CRI	>80
CCT	4000K and 5000K
Operating Temp.	-4°F ~ 131°F (-20°C ~ +55°C)
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

Form Factor	Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
2' Frostd Lens	EHB2-105/840*	105	14175	135
	EHB2-105/850*			
	EHB2-155/840	155	20925	135
	EHB2-155/850			
4' Frosted Lens	EHB4-210/840	210	28350	135
	EHB4-210/850			
	EHB4-300/840	300	40500	135
	EHB4-300/850			
	EHB4-400/840*	400	54000	135
	EHB4-400/850*			
	EHB4-(210/170/155)/840*	210/170/155	28350/22950/20925	135
	EHB4-(210/170/155)/850*			

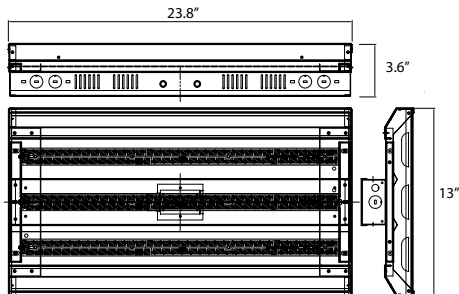
*The delivered lumens above are based on 4000K.

**Default setting at time of shipping are highest wattage and highest CCT.

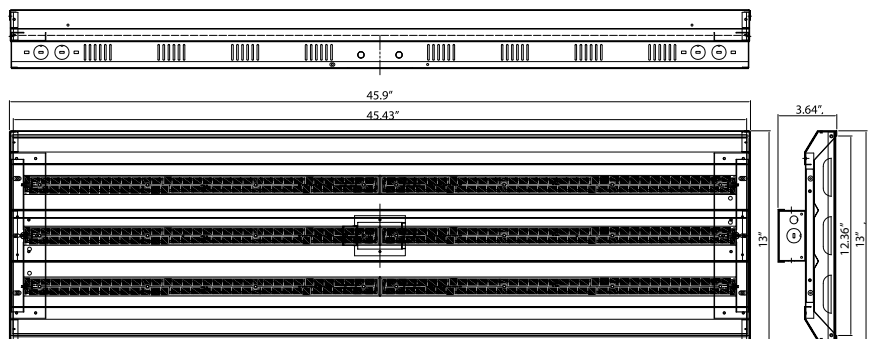
PHYSICAL PARAMETERS

DIMENSION

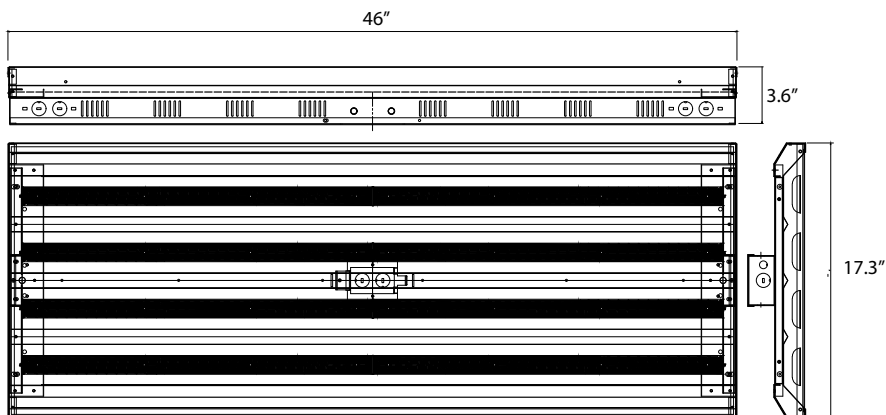
EHB2-105 and EHB2-155
10.12 Lbs.



EHB4-(210/170/155) and EHB4-210 and EHB4-300
17.82 Lbs.



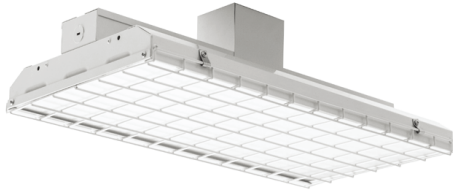
EHB4-400
19.58 Lbs.



OPTION

ACCESSORY

Wire Guard

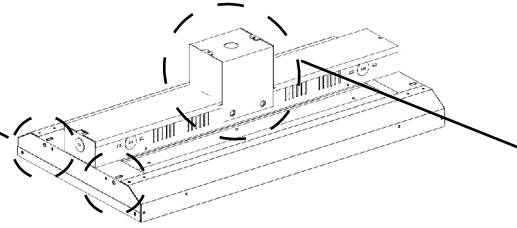


Part # for ordering separately:

EHB-WG-2L3M (Wireguard kit for EHB2-105 and 155)
 EHB-WG-4L3M (Wireguard kit for EHB4-210 and 300)
 EHB-WG-4L6M (Wireguard kit for EHB4-400)

Mounting

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



Pendant Hanger



-OS control pre-commissioning

Sample Number: -OS (L2-5M-L3-S10M)

L2	(Blank)	5M	L3	S10M	(Blank)	(Blank)	(Blank)
Lens / Coverage	High Mode	Hold Time	Low Mode	Stand-by Period	Ramp Up	Fade Down	Photocell On/Off
L2 - 8'H (48' dia.)	(Blank) - 100%	#M - 1-30 min.	L5 - 50%	SN - ∞	(Blank) - Disable	(Blank) - Disable	(Blank) - Disable
L3 - 20'H (40' dia.)	H9 - 90%	30S - 30 sec.	L3 - 30%	S#H - 1-5 hrs.	#Up - 1-60 sec.	#Dn - 1-60 sec.	PS - Active
L4 - 40'H (60' dia.)	H8 - 80%		L2 - 20%	S#M - 1-59 min.			
L7 - 40'H (100' dia.)	H7 - 70%		L1 - 10%	(Blank) - Disable			

High Mode: The selected high light level when motion detected.
Hold Time: Time period the luminaire remains at "High Mode" after no motion detected.
Low Mode: The selected low light level after the hold time.
Stand-by Period: Time period the luminaire remains at "Low Mode" before it completely switched off in the long absence of people.
 When set to "∞" mode, the low light level is maintained until motion is detected.
Ramp Up: Time period for light level to increase from LOW to HIGH.
Fade Down: Time period for light level to decrease from HIGH to LOW.
Photocell On/Off: When the light level exceeds this setting, the lights will turn off even when the space is occupied. Once the light level exceeds this setting, the sensor will wait and monitor for a short period of time in order to confirm the light level increase is not temporary before forcing the lights to go off. When light level goes below the settings, the light will turn on even without motion detection. This feature is disabled by default. If using this setting in combination with the Hold Off set-point, there must be at least 10fc of dead band between the two settings. The Photocell set-point is automatically set to maintain at least 10fc of dead band above the Hold time set-point to help avoid load cycling.