Alphalite Inc.

HIGH EFFICACY LINEAR LED HIGH BAY

HEB Series
High Efficacy Linear LED High Bay

DESCRIPTION

The Alphalite HEB Series High Efficacy 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 with V-hook and chain. Various mounting options available: surface, suspension, air craft cable, and 1/2'' NPS pendent mount.

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.

Optics
Die formed, 95% reflectivity optical reflectors optimizes performance and light delivery. Comes standard with high transmission clear 90° optic. Frosted lens option available.

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

HEB2-101/840
HEB2-101/850
HEB2-141/840
HEB2-141/850
HEB4-201/840
HEB4-201/850
HEB4-281/850

ORDERING INFORMATION

Sample Number: HEB4-201/850

HEB	4	201	8	50	(Blank)	(Blank)	(Blank)
Series	**Form Factor**	**Lumen Package**	**CRI**	**CCT**	**Input Voltage**	**Dimming**	**Optic**
HEB = High Efficacy Linear High Bay	2 = 2' 4 = 4'	2' length: 81 = 81W 101 = 101W 141 = 141W 161 = 161W 4' length: 201 = 201W 281 = 281W 321 = 321W	8 - 83+ CRI	35 - 3500K 40 - 4000K 50 - 5000K	(Blank) - 120V-277V 480 - 480V	(Blank) - 0-10V Continuous Dimming	(Blank) - clear 90° optic FRST - Frosted Lens (see pg. 3 for details)

Options

Accessories	**Controls**	**Emergency Backup**
WG = Wire Guard (see pg. 3 for details)	**PIR** = PIR Occupancy On/Off Sensor	EM700 - 700lm
PMK = Single-point pendant mount kit	**OS** - Integrated step dimming PIR occupancy sensor	EM1400 - 1400lm
ACC = Aircraft cable suspension kit	(Requires RC101 Sensor Con guration Tool, not Included)	EM2000 - 2000lm
CRD-x = SJTOW black cord, 18/3, x=length	**DL** - Integrated daylight harvesting	
TLP = Nema locking plug	**SMC** - Smart Control System	

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SUMMARY

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Power Factor	> 0.95
THD (Max.)	20%
Efficacy	> 150 LPW
Controls/ Dimming	Full Range 0-10V dimming standard
Dimming Range	10-100%
CRI	83+, R9 > 0
CCT	3500K, 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' clear 90° optic	HEB2-81/835	81	78	11931	147
	HEB2-81/840			12158	150
	HEB2-81/850			12287	152
	HEB2-101/835	101	100	14836	147
	HEB2-101/840			15119	150
	HEB2-101/850			15291	151
	HEB2-141/835	141	141	20995	149
	HEB2-141/840			21403	152
	HEB2-141/850			21643	154
	HEB2-161/835	161	161	23731	147
	HEB2-161/840			24214	150
	HEB2-161/850			24488	152
4' clear 90° optic	HEB4-201/835	201	190	29285	146
	HEB4-201/840			29647	148
	HEB4-201/850			29989	149
	HEB4-281/835	281	281	41250	147
	HEB4-281/840			42515	151
	HEB4-281/850			43077	153
	HEB4-321/835	321	313	47026	147
	HEB4-321/840			47957	149
	HEB4-321/850			48567	151

PHYSICAL PARAMETERS

DIMENSION

HEB2-81 & 101

25.5" (647.60mm)   2.08" (52.90mm)   14.7" (373.40mm)

HEB2-141 & 161

25.5" (647.60mm)   2.08" (52.90mm)   18.1" (460mm)

HEB4-201

48.84" (1240.6mm)   2.08" (52.90mm)   14.7" (373.40mm)

HEB4-281 & 321

48.84" (1240.6mm)   2.08" (52.90mm)   18.1" (460mm)

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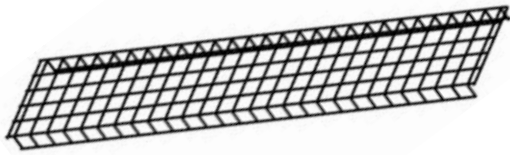Tel: 888.287.9228 | Fax: 888.258.9183 | support@alphalite.com | alphalite.com

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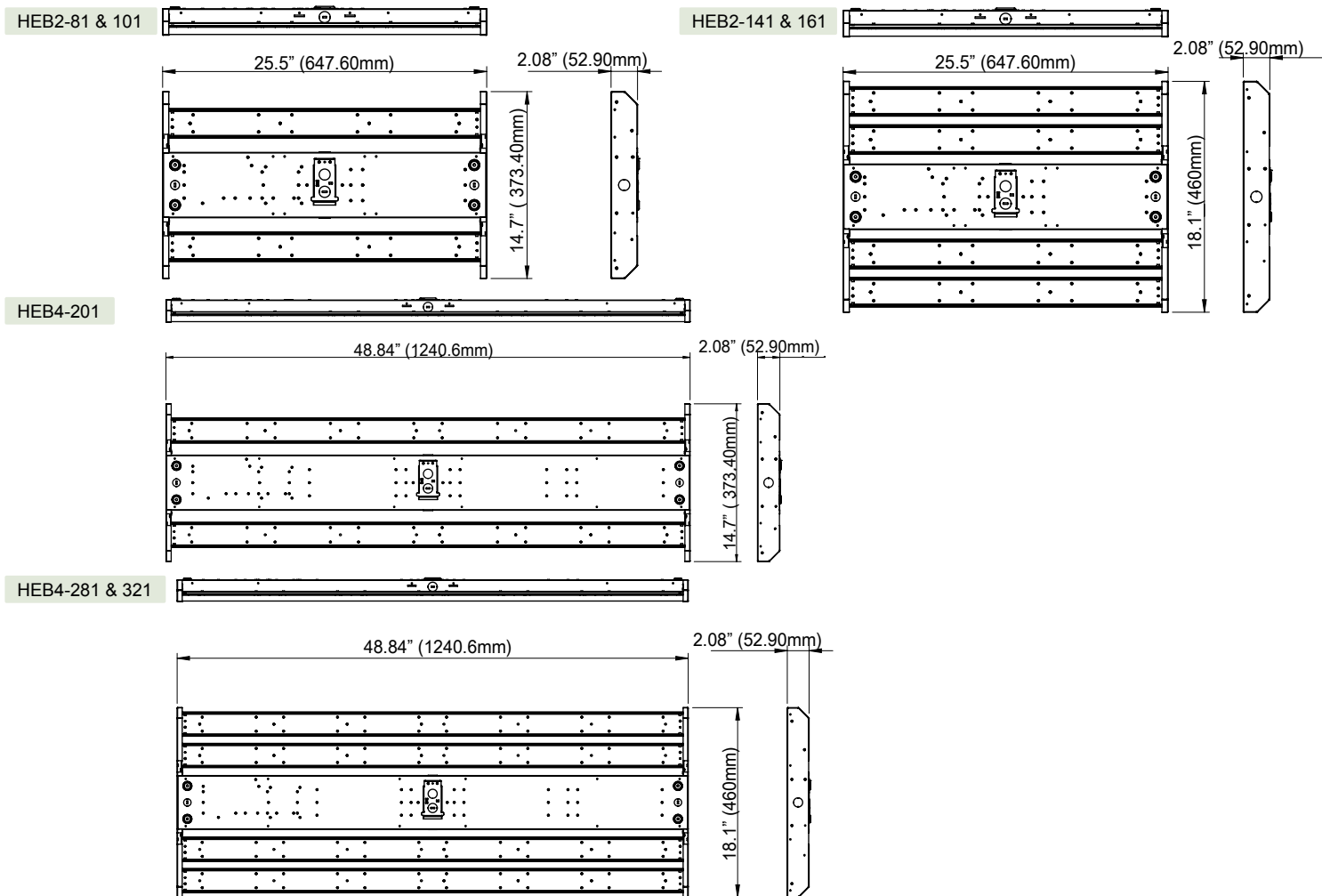
ACCESSORY

Wire Guard

Part # for ordering separately:
HEB-WG-2L2M   (Wire guard for HEB2-81 & 101)
HEB-WG-2L4M   (Wire guard for HEB2-141 & 161)
HEB-WG-4L2M   (Wire guard for HEB4-201)
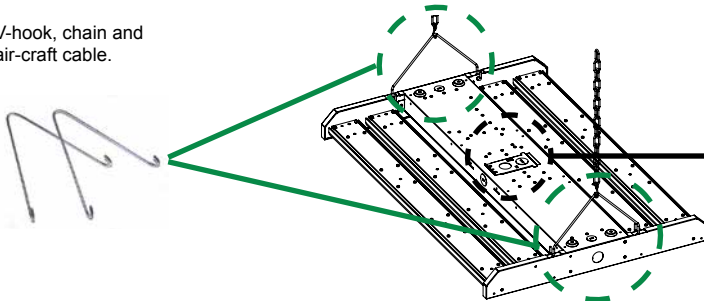HEB-WG-4L4M   (Wire guard for HEB4-281 & 321)

Lens

Part # for ordering separately:
(2) LN-HEB2/FRST   (Lens and qty for HEB2-81 & 101)
(4) LN-HEB2/FRST   (Lens and qty for HEB2-141 & 161)
(2) LN-HEB4/FRST   (Lens and qty for HEB4-201)
(4) LN-HEB4/FRST   (Lens and qty for HEB4-281 & 321)

Mounting

V-hook, chain and
air-craft cable.

Pendant Hanger

WIRELESS SMART CONTROL SYSTEM (ASMC)

The Alphalite 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