Alphalite Inc.

DIE-CASING LED LINEAR HIGH BAY

HBDC Series
Die-Cast High Bay

DESCRIPTION

HBDC is a super compact design with Die-Cast housing, lumen and CCT selectable features, dual lensed linear high bay. It delivers 20250 to 48000lms, PIR and microwave sensors ready and supports easy install at field, no wiring required. Standard 90*90° beam angle lens with superior optical control delivers optimal performance while reducing high angle glare,110*110°, 65*65°, 45*90° beam angle lens options for different application and layout requires.

APPLICATION

Various commercial and industrial applications with high ceilings: warehouse, factories, workshops, retail,grocery,gymnasiums,exhibition halls.

SPECIFICATION FEATURES

Construction
Rigid, low-profile, compact, die-cast housing provides added protection for LED components and optimal performance. With socket for PIR/Microwave sensor options, Lens, LED module and driver are replaceable.

Mounting
Comes standard with V-hook and chain for suspension mount. Various mounting options available: Surface mount, air craft cable suspended, pendant 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. 3 level wattage and CCT selectable switches for lumens output and 3500/4000/5000K,120-347V operating voltage, 0-10V dim-to-off comes standard, with Aux12V ready for DC sensors that supports field installed.

Optics
Dual polycarbonate lensed and 90*90° beam angle as standard, narrow, medium, wide distribution lens options.

Certifications / Regulatory
cULus listed for damp locations, FCC part 15 class A compliant. DLC5.1 Premium listed.

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

Quick Ship Product

HBDC-(215/180/135)/8A
HBDC-(320/275/235)/8A

ORDERING INFORMATION

Sample Number: HBDC-(215/180/135)/8A

Series	Lumen Package		CRI	CCT	Input Voltage
HBDC - Die-Casting LED High Bay	**(215/180/135)** - 215/180/135W, 32250/27000/20250lm	**(320/275/235)** - 320/275/235W, 48000/41250/35250lm	**8** - 80CRI	**A** - CCT Adjustable (5000/4000/3500K)	**(Blank)** - 120-347V **480** - 480V

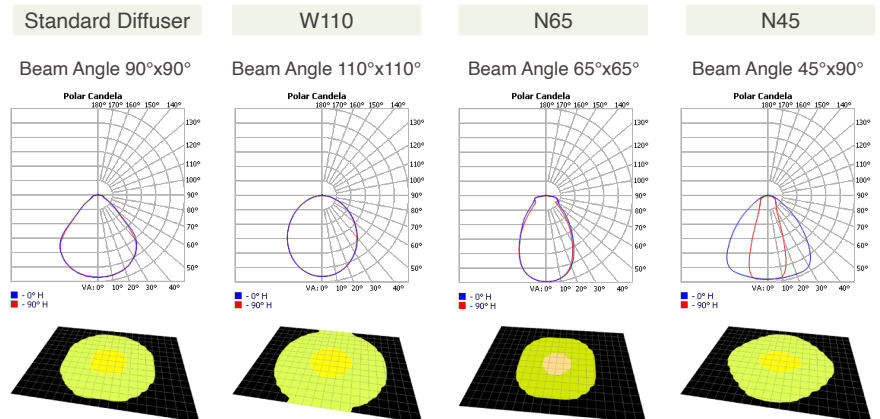| Optics	Control Option	Emergency Backup	Accessories
(Blank) - Diffuser with 90x90° **W110** - Diffuser with 110x110° **N65** - Diffuser with 65x65° **N45** - Diffuser with 45x90°	**OS** - Bi-level dimming PIR sensor and daylight switch, field install in 5 seconds (Required RC-100 Sensor Configuration Tool) **OS-BLE** - Wireless Bluetooth with PIR sensor **AWNR** - Lutron Athena wireless node integral fixture control (RF only) **AWNS** - Lutron Athena wireless node integral fixture control (RF with daylight and occupancy sensing) * *Recommended to be used at heights of 8-12 feet for optimal coverage.	**EM25W** - 25W constant power in emergency mode** **EM40W** - 40W constant power in emergency mode **HBDC-EM-MK** - Mounting kit for EM **25W emergency backup is only suitable for 215W fixture, not for 320W fixtue.	**HBDC-WG-215W** - Wire Guard for 215W **HBDC-WG-320W** - Wire Guard for 320W **ACC** - Aircraft cable suspension kit **HBDC-SMK** - Surface Mount Kit **HBDC-EM-SMK** - Surface Mount Kit for installed EM version **HBDC-PMK** - Single-point pendant mount kit for 3/4" NPT stems (stems not provided) **HBDC-EM-PMK** - Single-point pendant mount kit for 3/4" NPT stem for installed EM version (stem not provided)

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SUMMARY

Input Voltage	120-347V
Input Frequency	50/60 Hz
Power Factor	> 0.9
THD (Max.)	< 20%
Efficacy	150 LPW
Controls/ Dimming	Full Range 0-10V dimming standard
Dimming Range	10-100%
CRI	>80
CCT	3500/4000/5000K Adjustable
Operating Temp.	-40°F to 131°F (-40°C to 55°C)
Surge Protection	6KV
IK Rated	IK06
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

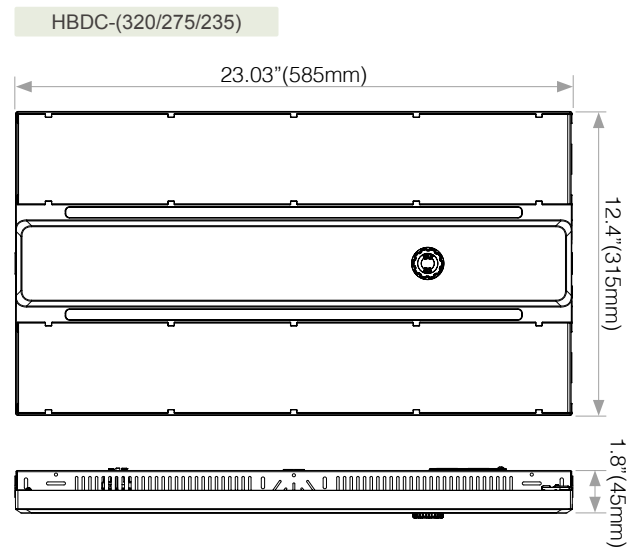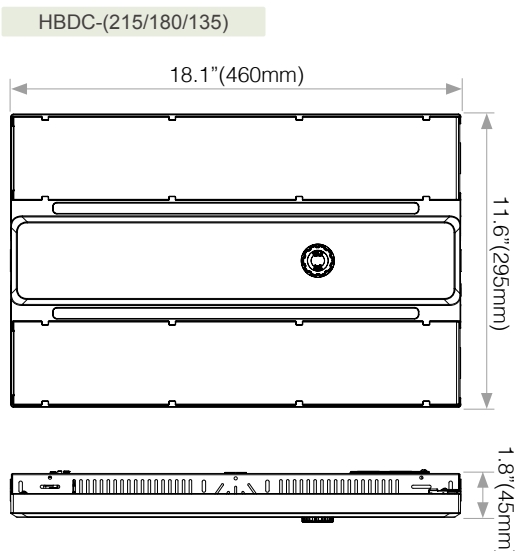| Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
HBDC-(215/180/135)/8A	215/180/135	32250/27000/20250	150
HBDC-(320/275/235)/8A	320/275/235	48000/41250/35250	150

*Note- Lumen data based on 4000K CCT.

OPTICS

Standard Diffuser	W110	N65	N45
Beam Angle 90°x90°	Beam Angle 110°x110°	Beam Angle 65°x65°	Beam Angle 45°x90°

Note: Photometric layout for reference only.

Snap-on screwless design for easy optic swap

PHYSICAL PARAMETERS

DIMENSION

HBDC-(215/180/135)
18.1"(460mm) / 11.6"(295mm) / 1.8"(45mm)

HBDC-(320/275/235)
23.03"(585mm) / 12.4"(315mm) / 1.8"(45mm)

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CONTROLS (Field install in 5 seconds)

OS:MMS-DC-PIR4T
OS-BLE: MMS-PIR4T-BLE-SR

RC-100

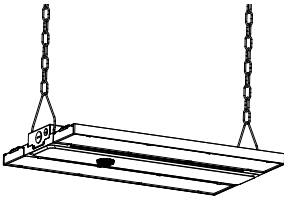**AWNR: (Athena wireless node RF only)**

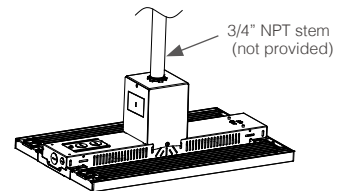**AWNS: (Athena wireless node with daylight and occupancy sensing)**

ACCESSORIES
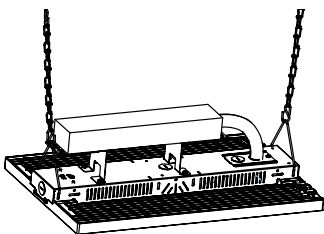
Suspension mount (Default and included)

HBDC-SMK

HBDC-PMK

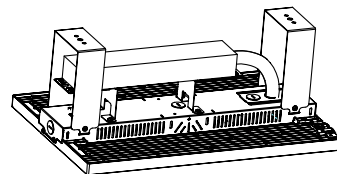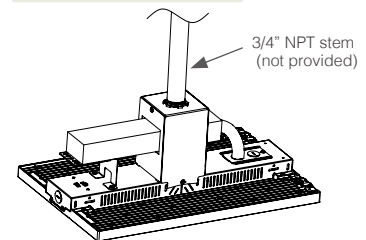3/4" NPT stem
(not provided)

Suspension mount with EM

Surface mount with EM

Pendant mount with EM

3/4" NPT stem
(not provided)

HBDC-WG-XXXW

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