



PROJECT

TYPE

DATE

ITEM NO.

NOTE

DIE-CASING IP RATED LINEAR HIGH BAY

DESCRIPTION

HBDP is a super compact design with die-cast aluminum housing, lumen and CCT selectable features, dual lensed linear high bay. 165lm/W, PIR, microwave and wireless 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° beam angle lens options for different application and layout requires.

APPLICATION

IP rated high bay in a linear form factor designed for warehousing, large indoor spaces, and gymnasiums as well as demanding environments such as manufacturing, service bays, packaging, ice rinks, under canopy, cold storage, indoor swimming pools, and food service.

SPECIFICATION FEATURES

Construction

Rigid, low-profile, compact, die-cast aluminum housing provides added protection for LED components and optimal performance. Controls ready for PIR, microwave and wireless sensor options, Lens, LED module and driver are replaceable.

Mounting

Comes standard with S-hook and chain for suspension mount. Various mounting options available: Surface mount, air craft cable suspended.

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 3.5 mm phono jack receptacle as controls ready for DC sensors that supports field installation.

Optics

Dual polycarbonate lensed and 90°/90° beam angle as standard, wide distribution lens available.

Certifications / Regulatory

cULus listed for wet locations. NSF listing for food zone, splash zone and non food zone.

Warranty

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



HBDP Series

Die-Casting IP Rated
Linear High Bay

Quick Ship Product

ORDERING INFORMATION

Sample Number: HBDP-(150/130/100)/8A

Series	Lumen Package			CRI	CCT	Input Voltage
HBDP - Die-Casting IP Rated Linear High Bay	(150/130/100) - 150/130/100W 24750/21450/16500lm	(200/165/130) - 200/165/130W 33000/27225/21450lm	(300/270/240) - 300/270/240W 49500/44550/39600lm	8 - 80CRI 9 - 90CRI* * Lumen package of CRI90 will decrease by 10%.	A - CCT Adjustable (5000/4000/3500K)	(Blank) - 120-347V 480 - 277-480V

Optics	Control Option	Emergency Backup	Accessories
(Blank) - Diffuser with 90x90° W110 - Diffuser with 110x110°	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 AWN - Lutron Athena wireless node integral fixture control (RF only) AWNS - Lutron Athena wireless node integral fixture control (RF with daylight and occupancy sensing) *	EM20W - 20W constant power in emergency mode	HBDP-WG-150W - Wire Guard for 150W HBDP-WG-300W - Wire Guard for 300W and 200W HB-ACC - Suspended mount with aircraft cable up to 40" long HBDP-SMK-150W - Surface Mount Kit for 150W HBDP-SMK-300W - Surface Mount Kit for 300W and 200W

*Recommended to be used at heights of 8-12 feet for optimal coverage.

SUMMARY

Input Voltage	120-347V
Input Frequency	50/60 Hz
Power Factor	> 0.9
THD (Max.)	< 20%
Efficacy	165 LPW
Controls/ Dimming	0-10V
Dimming Range	10-100%
CRI	80
CCT	3500/4000/5000K Adjustable
Operating Temp.	-40°F~149°F (-40°C~65°C); 32°F~140°F (0°C~60°C) with emergency backup
Surge Protection	6KV
IK Rated	IK10
IP Grade	IP69K, Wet location
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
HBDP-(150/130/100)/8A	150/130/100	24750/21450/16500	165
HBDP-(200/165/130)/8A	200/165/130	33000/27225/21450	
HBDP-(300/270/240)/8A	300/270/240	49500/44550/39600	

*The delivered lumens above are based on 4000K.

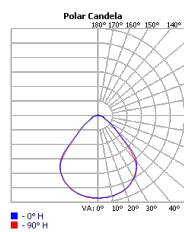
**Default setting at time of shipping are highest wattage and highest CCT.

OPTICS

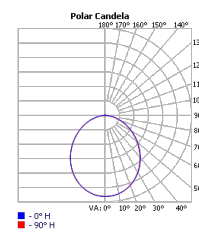
Standard Diffuser

W110

Beam Angle 90°x90°



Beam Angle 110°x110°

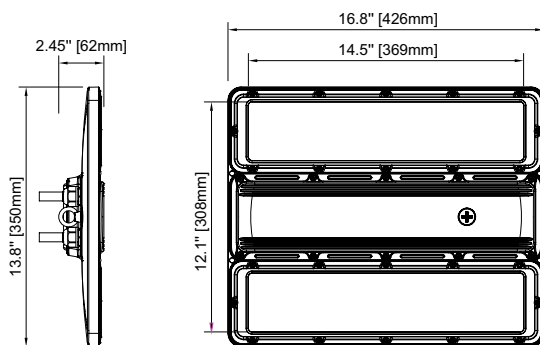


Note: Photometric layout for reference only.

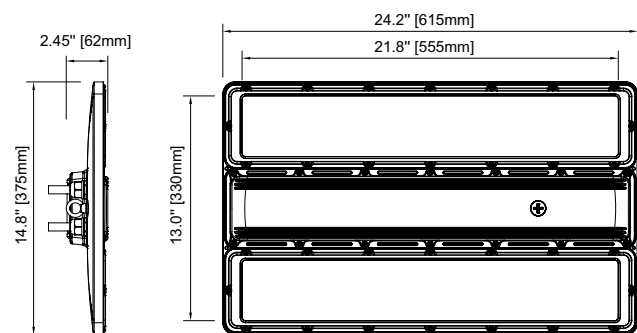
PHYSICAL PARAMETERS

DIMENSION

HBDP-(150/130/100)/8A



HBDP-(200/165/130)/8A / HBDP-(300/270/240)/8A



CONTROLS (Field install in 5 seconds)

OS:MMS-DC-PIR4T

OS-BLE: MMS-PIR4T-BLE-SR



RC-100



AWNDR: (Athena wireless node RF only)

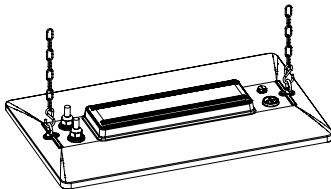


AWNS: (Athena wireless node with daylight and occupancy sensing)

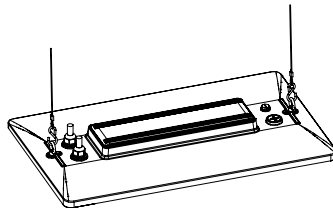


ACCESSORIES

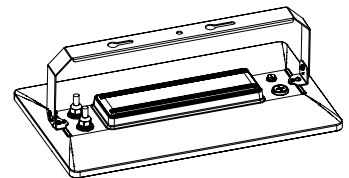
Suspension mount (Default and included)



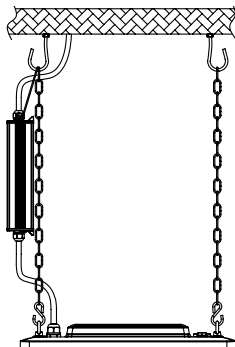
HB-ACC



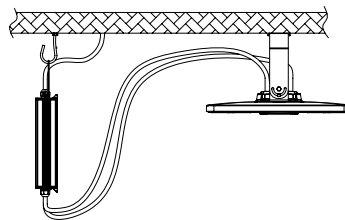
HBDP-SMK-XXXW



Suspension mount with EM



Surface mount with EM



HBDP-WG-XXXW

