



PROJECT

TYPE

DATE

ITEM NO.

NOTE

DIE-CASING LED LINEAR HIGH BAY

HBDM Series

Die-Cast High Bay

DESCRIPTION

HBDM is a super compact design with Die-Cast housing, lumen and CCT selectable features, dual lensed linear high bay. It delivers 70000/61600/42000lms, 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.



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. PIR and wireless sensors optional.

Mounting

Comes standard with V-hook and chain for suspension mount. Various mounting options available: Surface, 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 switches for lumens output and 4000/5000K CCT selectable, 120-277V operating voltage, 0-10V dim-to-off comes standard, with Aux12V ready and sensor receptacle for DC sensors that supports field installed.

Optics

Dual polycarbonate lensed and 90°90° beam angle as standard.

Certifications / Regulatory

cULus listed for dry and damp locations rated.

Warranty

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

Quick Ship Product

ORDERING INFORMATION

Sample Number: HBDM-(500/440/300)/8A

Series	Lumen Package	CRI	CCT	Input Voltage	Optics
HBDM - Die-Casting LED High Bay	(500/440/300) - 500/440/300W, 70000/61600/42000lm	8 - 80CRI	A - CCT Adjustable (5000/4000K)	(Blank) - 120-277V 480 - 277-480V	(Blank) - Diffuser with 90x90°

Control Option	Emergency Backup	Accessories
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) *	EM40W - 40W constant power in emergency mode** HBDC-EM-MK - Mounting kit for EM **Emergency backup is not suitable for Pendant mount installation.	HBDM-WG - Wire Guard ACC - Aircraft cable suspension kit HBDM-SMK - Surface Mount Kit HBDM-PMK - Single-point pendant mount kit for 3/4" NPT stems (stems not provided)

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

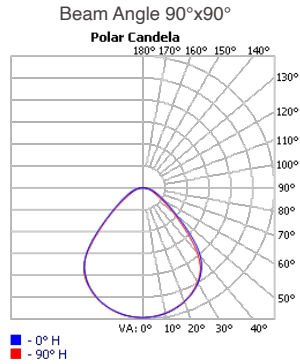
SUMMARY

Input Voltage	120-277V
Input Frequency	50/60 Hz
Power Factor	> 0.9
THD (Max.)	< 20%
Efficacy	140 LPW
Controls/ Dimming	Full Range 0-10V dimming standard
Dimming Range	10-100%
CRI	>80
CCT	4000/5000K Adjustable
Operating Temp.	-40°F to 122°F (-40°C to 50°C)
Surge Protection	6KV
IK Rated	IK06
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

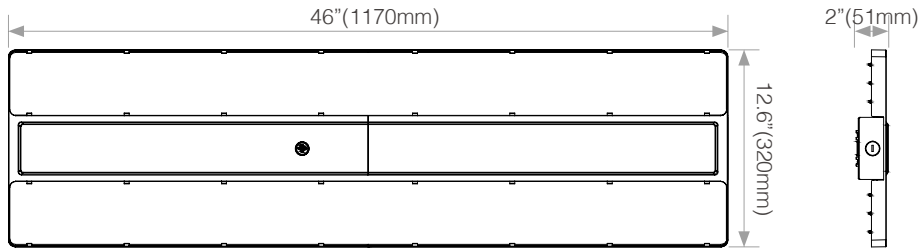
Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
HBDM-(500/440/300)/8A	500/440/300	70000/61600/42000	140

OPTICS



PHYSICAL PARAMETERS

DIMENSION



CONTROLS (Field install in 5 seconds)

OS:MMS-DC-PIR4T

OS-BLE: MMS-PIR4T-BLE-SR



RC-100



AWN: (Athena wireless node RF only)

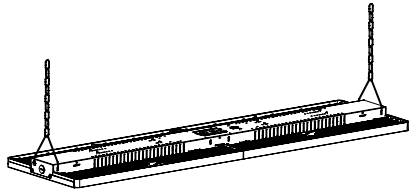


AWNS: (Athena wireless node with daylight and occupancy sensing)

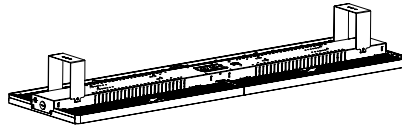


ACCESSORIES

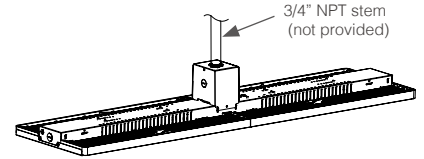
Suspension mount (Default and included)



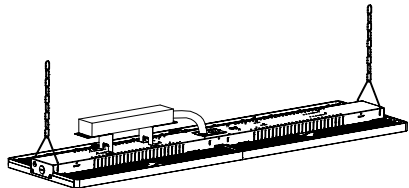
HBDM-SMK



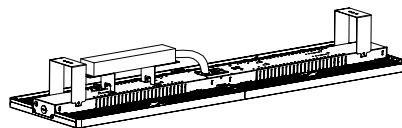
HBDM-PMK



Suspension mount with EM



Surface mount with EM



HBDM-WG

