

HBAC3

Applications

The HBAC3 is designed to exceed high and low bay illumination requirements for industrial, commercial, and retail applications. Ideal when seeking feature rich, value oriented energy savings and maintenance reduction solutions.



HBAC3B10AUNVFDXX850NOLPF

Features

- Unique modular design allows for easy access to components and performance enhancement upgrades
- Aluminum fixture body provides superior thermal management which leads to longer life and enhanced performance
- Various control options offered to achieve additional energy savings or to solve other business challenges like heating and cooling variances, space utilization inefficiencies and more
- Optional acrylic frosted lens to reduce glare and enhance low bay applications
- Emergency fixture identifier option available. End caps painted orange for easy identification from the floor. Commonly used on fixtures with battery backup and fixtures connected to an emergency circuit

Electrical

- Available in 120v-277v, 347v and 480v
- Factory wired for full dimming (0-10v) or ON/OFF applications
- 10 kA surge protection option available
- Power Factor > .90*
- Total Harmonic Distortion < 20%*
- *Note: Varies based on option

Ambient Operating Range

See ambient operating table on page 2

Fixture Certification & Listings

- UL/cUL Listed for Damp Locations
- Buy American Act Compliant

Patent Information

Orion is serious about intellectual property. This product may be covered by one or more patents. Patent information available at <http://www.orionlighting.com/about/patents/>

Rated Life

125,000 hours L70

Warranty

See Orion's [Product Limited Warranty](#) for more details and information



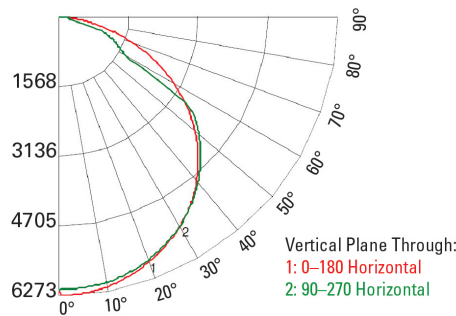
Performance Information, Open Area No Lens, ≥ 80 CRI, 5000K³

Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	Input Current
A1	13,650lm	277v	83w	165	0.30A
B1	15,600lm	277v	96w	162	0.35A
C1	17,660lm	277v	102w	173	0.37A
D1	22,450lm	277v	136w	165	0.49A
E1	24,750lm	277v	155w	159	0.56A
F1	27,570lm	277v	174w	159	0.63A

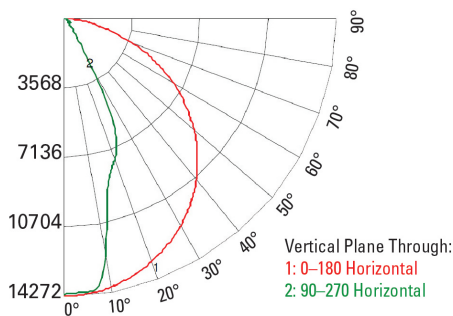
Photometrics

Visit orionlighting.com to obtain all .IES files

C1 OA 850 NOL



C1 OA 850 LFA



Ambient Operating Temperatures^{8,9}

Nominal Lumen Code	All Voltages
A1/B1/C1/D1	-20°C to 60°C [-4°F to 140°F]
E1/F1	-20°C to 55°C [-4°F to 131°F]

Physical Information

Length	Width	Depth	Weight ⁴
48.09"	16.90"	2.90"	11.00-13.00 lbs.

Ordering Information Example (NOTE: No dashes or spaces unless noted below)

Series	Nominal Lumen Code	Application	Voltage	Driver Type	CRI; Color Temp	Lens Options	Power Connection	Fixture Options	Control Options	Packaging Options
HBAC3	B1	OA	UNV	FDXX	850	NOL	HW	BB	WS40	-SP

Ordering Information

Series	Nominal Lumen Code ¹	Application	Voltage	Driver Type ²	CRI; Color Temp	Lens Options	Power Connection	Fixture Options	Control Options	Packaging Options
HBAC3 = HARRIS LED High Bay, Gen 3	A1 = 14,000lm B1 = 16,000lm C1 = 18,000lm D1 = 22,000lm E1 = 25,000lm F1 = 28,000lm	OA = Open Area	UNV = 120v-277v 347 = 347v 480 = 480v	FDXX = Factory Wired for Dimming Applications NDXX = Factory Wired for ON/OFF Applications, Dimming capable if required	840 = 80CRI; 4000K 850 = 80CRI; 5000K	NOL = No Lens LFA = Lens, Frosted Acrylic [with End Caps] Note: Wireguard Available [See Accessories Table]	PF = Platform ⁷ HW = Hardwire ¹⁴ ML = Mate N Lock ^{7,13,14}	(Blank) = No Option BB = Battery Back Up ^{8,15} OE = Orange Emergency [Painted End Caps] BBOE = Battery Back Up with Orange Emergency [Painted End Caps] ^{8,15} EC = End Caps [lens not included] TS = 10 kA Surge Protection	See Below for Control Options	(Blank) = Bulk Pack -SP = Single Pack

Control Options

(Blank)=
No Option

MSL1=
SensorSwitch SBOR: PIR Occupancy Sensor, ON/OFF, Manual Programmable, 8-15 ft. Lens⁵

MC20=
PIR Occupancy Sensor, Photosensor 0-10V Dimming Modes, Manual Programmable, 8'-20' Lens⁶

MC40=
PIR Occupancy Sensor, Photosensor, 0-10V Dimming Modes, Manual Programmable, 20'-40' Lens⁶

WS20=
Wattstopper FSP-2x1: PIR Occupancy Sensor, Photosensor, High and Low End Trim, 0-10V Dimming, IR Remote Programmable, 8'-20' Lens⁶

WS40=
Wattstopper FSP-2x1: PIR Occupancy Sensor, Photosensor, High and Low End Trim, 0-10V Dimming, IR Remote Programmable, 20'-40' Lens⁶

-DT=
Integrated Control, Daintree, ZigBee Wireless System, High, Low Bay and Aisle Lenses^{6,10}

EN2=
Enlighted Connected Lighting Sensor: Network Lighting Control Component, PIR Occupancy Sensor, Daylight Harvesting, High End Trim, Dimming Modes, Luminaire Level Lighting Control, Wireless Zones, Modified IEEE 802.15.4.1, BLE Radio, Temperature Sensor, Scene Control, Demand Response, Data Collection, BMS Integration, Cloud Access ^{6,9,10}

EN3=
Enlighted IoT: All Features of EN2 - Network Lighting Control PLUS access to Apps: Space Management, Asset Tracking, and Contact Tracing Apps ^{6,9,10}

Note:
End Mounted Sensors Available [See Accessories Table]

Accessories (Field Installed)

EN1 Accessories Required for Commissioning ⁹	
WS-2-00-IL	Enlighted Wall Switch Room Controller - For Use with EN1 Enlighted Sensor (Quantity Needed Varies by Facility Layout and Fixture Group Size) Note: Max. of 4 switches per zone/group
LP-1-00	Green Laser for Commissioning EN1 Enlighted Sensor
Note: Contact your Orion representative regarding additional commissioning, quantities and back end control system pricing	
End Mounted Sensor Options ¹⁰	
OEMS1300P ⁵	End Mounted On/Off Only Sensor, 120v-277v, Normal Temp/Dry, High Bay, Low Bay & Aisle Lenses, 4-Pin Platform Input, 4-Pin Platform Output
OEMS1330P ⁵	End Mounted On/Off Only Sensor, 120v-277v, Cold Temp/Damp, High Bay, Low Bay & Aisle Lenses, 4-Pin Platform Input, 4-Pin Output
OEMS1370P ⁵	End Mounted On/Off Only Sensor, 480v, Normal Temp/Dry, High Bay, Low Bay & Aisle Lenses, 5-Pin Platform Input, 5-Pin Platform Output
OEMS1360P ⁶	Plug 'N Play End Mounted Remote Programmable On/Dim/Off & Ambient Sensor, 120v-277v, Cold & Normal Temp, 20'-40' Lens, 4-Pin Platform Input, 5-Pin Platform Output [Requires FSIR-100 Sensor Configuration Tool - Not Included]
OEMS1368P ⁶	Plug 'N Play End Mounted Remote Programmable On/Dim/Off & Ambient Sensor, 347v/480v, Cold & Normal Temp, 20'-40' Lens, 5-Pin Platform Input, 5-Pin Platform Output [Requires FSIR-100 Sensor Configuration Tool - Not Included]
OEMS1380P ⁶	Plug 'N Play End Mounted Bluetooth App Programmable On/Dim/Off & Ambient Sensor, 120v-277v, Cold & Normal Temp, 20'-40' Lens, 4-Pin Platform Input, 5-Pin Platform Output
FSIR-100	Sensor Configuration Tool Required for Adjusting Default Factory Settings, Including Hi/Low/Off Modes and Sensitivity/Time Delay/Cut Off [Ordered Separately-To Be Used with OEMS1360P or OEMS1368P]
OEMS1 Network Controls	For end mounted field installed network control options and order logic, click the hyperlink to the left for more information
*For more information on our OEMS1 style sensors, or additional sensor options, click here for Dimming Sensors and click here for Non-Dimming Sensors.	

Suspended Mounting Options	
ECAB19	19" Cables with Snap Hooks (2 Required per Fixture)
ECAB31	31" Cables with Snap Hooks (2 Required per Fixture)
HW-FC008	Hanging Cable Set: Adjustable 180", Loop, Y-Fit with Snap Hooks
OESH101BRA	Eyebolt Mounting Bracket Kit, Requires Two Secondary Hangers Longer Than 30"
OESH108RA	Pendant Mounting Bracket Kit, Requires Two Secondary Hangers Longer Than 30"
Rigid Mounting Options	
H126SET-DG	Rigid/Flush and Threaded Rod Mounting Bracket Set, Dark Gray
FMCM-KIT-DG ¹²	Rigid/Flush and Threaded Rod Mounting Bracket Set, Dark Gray
OESH200-DG ¹²	Adjustable Length and Adjustable Angle Rigid Mounting Bracket Set, Dark Gray
PMRMCM-3/4-EW-DG	Rigid Pendant Mounting Bracket for Open Style Fixtures, Dark Gray
Additional Fixture Accessories**	
LED-HBAC3-LF-KIT	Frosted Acrylic Lens Kit, Bulk Packaging
**Add "-SP" at the end of the Additional Fixture Accessories order logic for Single Pack.	
External Transformers ¹⁶	
TRBX001-G	External Transformer Box [347v/480v to 277v] for Use with 4-Pin 120v-277v Fixtures
TRBX001-G-5P	External Transformer Box [347v/480v to 277v] for Use with 5-Pin 120v-277v Fixtures

Accessories (Field Installed)



End Mounted Network Control
(See Hyperlink for Order Logic in Field Accessories Table)



End Mounted Sensor Full Dimming
(OEMS1360P-DG)

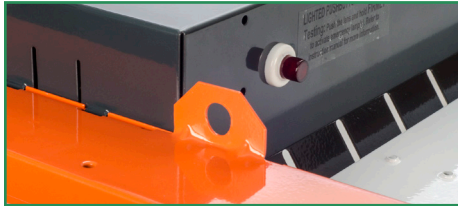


End Mounted Sensor Non Dimming
(OEMS1300P-WH)

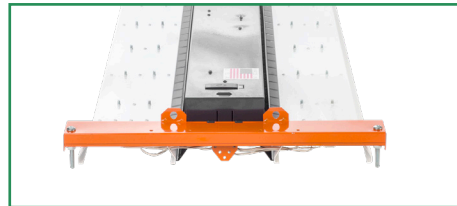


Sensor Configuration Tool
(FSIR-100)

Fixture Options [Factory Installed]



Battery Back Up with Orange End Caps (BBOE)



Orange End Caps (OE)



Lens, Frosted Acrylic (LFA)



Integrated Sensor (WSXX)²



Enlighted Integrated Sensor^{6,9,10} (ENx)

Additional Specification Information

¹ For actual lumens, see performance table

² "XX" is a character placeholder for the manufacturing configuration

³ Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values. Values test results, and performance tables are based on an open area application at 277v

⁴ Weight and depth will vary based on option selection

⁵ Feature and design accessory option is only available with **NDXX** driver type

⁶ Feature/accessory option is only available with **FDXX** driver type

⁷ Requires the purchase of a Platform or Mate N Lock power cord. Cord is not included with fixture purchase

⁸ Fixture with Battery Back Up cannot be installed in an environment where the ambient temperature falls below 32°F

⁹ **ENx** is limited to -35°C [-31°F] environments

¹⁰ Contact customer service regarding additional commissioning and back end control system pricing.

¹¹ All Sensors come standard with a Raw Aluminum housing finish. Dark Gray and White housings are available. For Dark Gray add "-DG". For a White Housing add "-WH" at the end of the sensor part number

¹² Cannot be used with an end mounted control

¹³ **ML** (Mate-N-Lock) is only available with a **NDXX** driver type unless used with an integrated dimming capable control [**MCxx**, **WSxx**, **-DT**, or **ENx**]

¹⁴ **ML** (Mate-N-Lock) or **HW** (Hardwire) fixture option is not available with OEMS1 style sensors

¹⁵ Fixture with battery backup requires a hardwired fixture connection

¹⁶ Requires the use of a platform (PF) fixture, cannot be used on battery backup (BB & BE) fixtures, and cannot be used with a full dimming external (non-fixture) control system