HBAC3

Applications

The APOLLO 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.

HBAC3B1OAUNVFDXX850NOLPF

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
- Optional aisle illumination performance package: 95% reflectance polished aluminum
- 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
- 10 kA surge protection option available

Electrical

- Available in 120v-277v, 347v and 480v
- Full Dimming (0-10v) and Non-Dimming fixtures are available

Ambient Operating Range

See ambient operating table on page 2

Fixture Certification & Listings

- UL/cUL Listed for Damp Locations
- Buy American Act Compliant
- DesignLights Consortium™ Premium qualified luminaire
- Visit the DLC QPL for listed models

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

Orion APOLLO class LED fixtures are covered by a five-year limited warranty. Accessories and individual components are covered by separate OEM supplier warranties.

Performance Information, Open Area No Lens[3]

Series	Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	CCT	CRI	Input Current	Power Factor
HBAC3	A1	13,650lm	277v	83w	165	5000K	≥80	0.30A	>.90
HBAC3	B1	15,600lm	277v	96w	162	5000K	≥80	0.35A	>.90
HBAC3	C1	17,660lm	277v	102w	173	5000K	≥80	0.37A	>.90
HBAC3	D1	22,450lm	277v	136w	165	5000K	≥80	0.49A	>.90
HBAC3	E1	24,750lm	277v	155w	159	5000K	≥80	0.56A	>.90
HBAC3	F1	27,570lm	277v	174w	159	5000K	≥80	0.63A	>.90

Photometrics

Visit orionlighting.com to obtain all .IES files

C1 OA 850 NOL

Vertical Plane Through:
1: 0–180 Horizontal
2: 90–270 Horizontal

C1 OA 850 LFA

Vertical Plane Through:
1: 0–180 Horizontal
2: 90–270 Horizontal
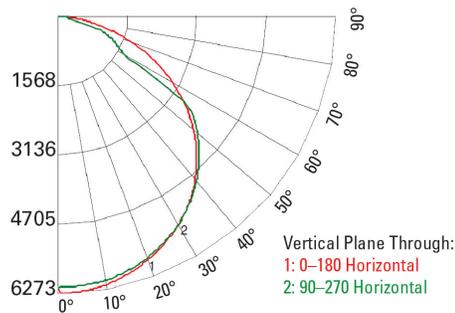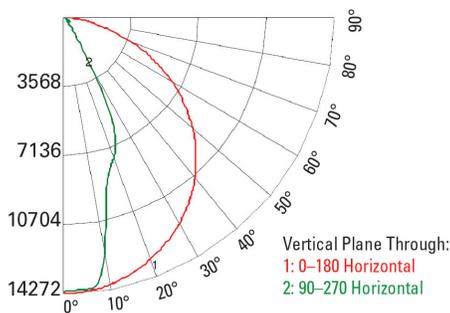
Ambient Operating Temperatures[8,9]

Nominal Lumen Code	All Voltages	All Voltages [-C Option]
A1/B1/C1/D1	-20°C to 60°C (-4°F to 140°F)	-40°C to 60°C (-40°F to 140°F)
E1/F1	-20°C to 55°C (-4°F to 131°F)	-40°C to 55°C (-40°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	-C	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= APOLLO 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 AA= Aisle Area	UNV= 120v-277v 347= 347v 480= 480v	FDXX= Full Dimming 0-10v NDXX= Non-Dimming	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) -C= Cold Temperature Environment TS= 10 kA Surge Protection	(Blank)= No Option MSL1= Integrated Control, On/Off Only, High, Low Bay and Aisle Lenses[5] MC20= Integrated Control, Manual Programmable, 8'-20' Lens[6] MC40= Integrated Control, Manual Programmable, 20'-40' Lens[6] WS20= Integrated Control, Remote Programmable, 8'-20' Lens[6] WS40= Integrated Control, Remote Programmable, 20'-40' Lens[6] -DT= Integrated Control, Daintree, ZigBee Wireless System, High, Low Bay and Aisle Lenses[6,10] -EN= Integrated Control, Enlighted Wireless System, (Max. Install Height 50')[6,9,10] Note: End Mounted Sensors Available (See Accessories Table)	(Blank)= Bulk Pack -SP= Single Pack

Accessories (Field Installed)

End Mounted Sensor Options[17]*	
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]	End Mounted 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]	End Mounted 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)
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
HW-FC020-SH	Hanging Cable Set: Adjustable 120", Loop, Y-Fit with (2) Loops, (2) Snap Hooks Included (Not Attached)
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-HBAC-WG01-KIT	Wireguard Kit for Fixture, Bulk Packaging
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 Wireguard
(LED-HBAC-WG01-KIT)

4

Fixture Options (Factory Installed)

**Battery Back Up with Orange End Caps
(BBOE)**

**Orange End Caps
(OE)**

**Lens, Frosted Acrylic
(LFA)**

**Integrated Sensor
(WSXX)**

**Enlighted Integrated Sensor
(-EN)**

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 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] **-EN** 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 **-EN**)

[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