

HBHC2, Series 2

Applications

The HARRIS HBHC2 is designed to meet high and low bay illumination requirements for industrial, commercial, and retail applications. It is an efficient 2' x 2' solution that will drive energy savings and maintenance reductions over traditional HID up to 400W and linear fluorescent high and low bay lighting systems.



HBHC2CAOAUNVFDXX850NOLPF

Features

- Unique, modular design allows for ease of installation and easy access to components
- Various control options offered to achieve additional energy savings or to solve business challenges like heating and cooling variances, space utilization inefficiencies and more
- Optional aisle illumination performance package: 95% reflectance polished aluminum
- White aluminum painted body standard
- Rigid and suspended mounting options available
- Optional acrylic frosted lens to reduce glare and enhance low bay applications
- Emergency fixture identifier option. End caps painted orange for easy identification from the floor. Commonly used on fixtures with battery backup and fixtures connected to an emergency circuit
- Fixture wireguard 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 Listed for Damp Locations
- Buy American Act Compliant
- DesignLights Consortium™ Standard qualified luminaire
- Visit the [DLC QPL](http://www.dlc.org) 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

100,000 hours L70

Warranty

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



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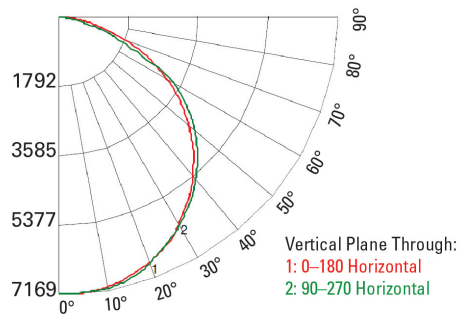
Performance Information, Open Area No Lens³

Series	Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	CCT	CRI	Input Current	Power Factor
HBHC2	BA	16,290lm	277v	130w	125	0.47 A	>90	5000K	≥80
HBHC2	CA	20,150lm	277v	144w	140	0.52 A	>90	5000K	≥80

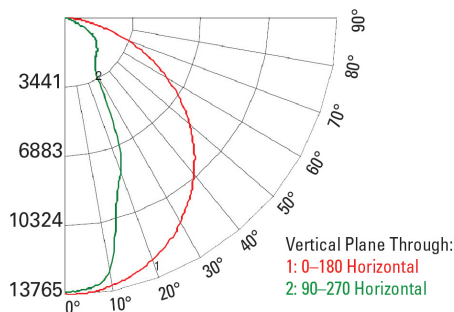
Photometrics

Visit orionlighting.com to obtain all .IES files

CA OA 850 NOL



CA AA 850 NOL



Ambient Operating Temperatures^{8,9}

Nominal Lumen Code	All Voltages	All Voltages [-C Option]
All Models	-20°C to 45°C [-4°F to 113°F]	-40°C to 45°C [-40°F to 113°F]

Physical Information

Length	Width	Depth	Weight ⁴
23.75"	23.75"	4.00"	7.5-9 lbs.

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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
HBHC2	A1	AA	UNV	FDXX	850	NOL	PF	OE	WS20	-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
HBHC2 = HARRIS LED High Bay, Gen 2, Series 2	BA = 16,000lm CA = 20,000lm	OA = Open Area AA = Aisle Area	UNV = 120v-277v 347 = 347v 480 = 480v Note: External Transformers Available [See Accessories Table]	FDXX = Full Dimming 0-10v NDXX = Non- Dimming	840 = 80CRI; 4000K 850 = 80CRI; 5000K	NOL = No Lens LFA = Lens, Frosted Acrylic Note: Wireguard Available [See Accessories Table]	PF = Platform ⁷ HW = Hardwire ¹⁷ ML = Mate N Lock ^{7,11,17}	[Blank] = No Option BB = Battery Back Up ^{8,15} OE = Orange Emergency [Painted Driver Cover] BBOE = Battery Back Up with Orange Emergency [Painted Driver Cover] ^{8,15} -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

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Accessories (Field Installed)

End Mounted Sensor Options ¹⁴	
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 Platform 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 Remote 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 Remote 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	
H127SET-W ¹²	Rigid/Flush and Threaded Rod Mounting Bracket Set, White Powdercoat
LED-HBHC2-PMR01-KIT-WH ¹³	Rigid Pendant Mount Kit for the HBHC2 Fixture, White Powdercoat
Additional Fixture Accessories	
LED-HB-SCBL01-KIT	High Bay Safety Cable Kit
LED-HBHC2-WG01-KIT	Wireguard Kit for Fixture, Bulk Packaging
LED-HBHC2-WG01-KIT-SP	Wireguard Kit for Fixture, Single Pack
External Transformers ¹⁶	
TRBX004-G	External Transformer Box [347v/480v to 277v] for Use with 4-Pin 120v-277v Fixtures
TRBX004-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 Full Dimming Sensor
(OEMS1360P-DG)



End Mounted Non Dimming Sensor
(OEMS1300P-WH)



Sensor Configuration Tool
(FSIR-100)



Fixture Wireguard
(LED-HBHC2-WG01-KIT-SP)

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Fixture Options (Factory Installed)



**Battery Back Up
(BB)**



**Integrated Sensor
(WSXX)**



**Daintree
(-DT)**



**Enlighted
(-EN)**



**Frosted Lens
(LFA)**

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 $\pm 10\%$ 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 will vary based on option selection

⁵ Feature/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 **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**]

¹² Height from top of fixture to mounting surface is 8.75"; height from bottom of fixture to mounting surface is 12.25" [height may vary based on actual fixture/options]

¹³ This must be used with hardwired fixtures only. Cannot be used with an external transformer box, standard OESC, or standard OEMS1 style sensor

¹⁴ 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

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

¹⁷ **ML** (Mate-N-Lock) or **HW** (Hardwire) fixture option is not available with OEMS1 style sensors