

HBHC2

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 and linear fluorescent high and low bay lighting systems.



HBHC2C10AUNVFDXX850NOLPF

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. Driver cover and center channel are 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
- 10 kA surge protection available
- Standard and high efficiency models are 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 temperature table on page 2

Fixture Certification & Listings

- UL/cUL Listed for Damp Locations
- Buy American Act Compliant
- DesignLights Consortium™ Standard 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

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.



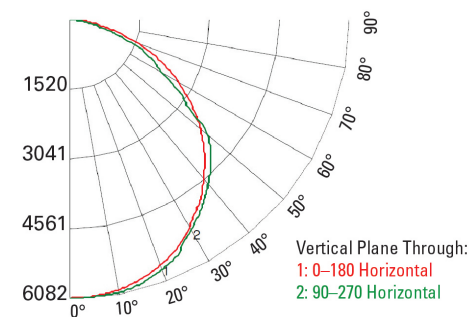
Performance Information, 277v, Open Area, No Lens²

Series	Nominal Lumen Code	Actual Lumens	Wattage	LPW	CCT	CRI	Input Current	Power Factor
Standard Efficiency								
HBHC2	A1	12,990lm	97w	134	5000K	≥80	0.35A	>.90
HBHC2	B1	15,550lm	113w	138	5000K	≥80	0.41A	>.90
HBHC2	C1	17,020lm	121w	140	5000K	≥80	0.44A	>.90
HBHC2	D1	22,510lm	174w	130	5000K	≥80	0.63A	>.90
HBHC2	E1	25,080lm	193w	130	5000K	≥80	0.70A	>.90
High Efficiency								
HBHC2	AH	12,080lm	74w	163	5000K	≥80	0.27A	>.90
HBHC2	BH	15,160lm	87w	174	5000K	≥80	0.31A	>.90
HBHC2	CH	17,460lm	101w	173	5000K	≥80	0.36A	>.90
HBHC2	DH	20,430lm	119w	172	5000K	≥80	0.43A	>.90
HBHC2	EH	23,710lm	138w	172	5000K	≥80	0.50A	>.90
HBHC2	FH	28,630lm	164w	175	5000K	≥80	0.59A	>.90

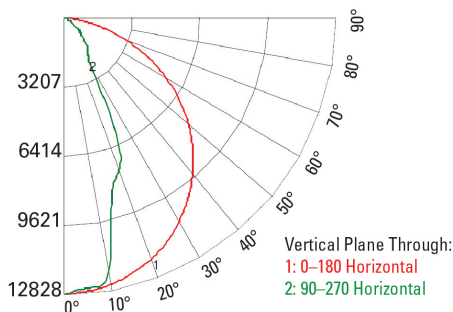
Photometrics

Visit orionlighting.com to obtain all .IES files

C1 OA 850 NOL



C1 AA 850 NOL



Ambient Operating Temperatures^{7,8}

Nominal Lumen Code	120-277v	347/480v	120-277v [-C Option]	347v/480v [-C Option]
A1/B/C1	-20°C to 50°C [-4°F to 122°F]	-20°C to 50°C [-4°F to 122°F]	-40°C to 50°C [-40°F to 122°F]	-40°C to 50°C [-40°F to 122°F]
D1/E1	-20°C to 45°C [-4°F to 113°F]	-20°C to 45°C [-4°F to 113°F]	-40°C to 45°C [-40°F to 113°F]	-40°C to 45°C [-40°F to 113°F]
AH/DH	-20°C to 55°C [-4°F to 131°F]	-20°C to 55°C [-4°F to 131°F]	-40°C to 55°C [-40°F to 131°F]	-40°C to 55°C [-40°F to 131°F]
BH/CH/EH	-20°C to 55°C [-4°F to 131°F]	-20°C to 50°C [-4°F to 122°F]	-40°C to 55°C [-40°F to 131°F]	-40°C to 50°C [-40°F to 122°F]
FH	-20°C to 50°C [-4°F to 122°F]	-20°C to 45°C [-4°F to 113°F]	-40°C to 50°C [-40°F to 122°F]	-40°C to 45°C [-40°F to 113°F]

Physical Information

Length	Width	Depth	Weight ³
23.75"	23.75"	4.00"	7.50-9.00 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
HBHC2	A1	AA	UNV	FDXX	850	NOL	PF	OE	WS20	-SP

Ordering Information

Series	Nominal Lumen Code ¹	Application	Voltage	Driver Type	CRI; Color Temp	Lens Options	Power Connection	Fixture Options	Control Options	Packaging Options
HBHC2= HARRIS LED High Bay, Gen 2	Standard Efficiency	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 ⁶ HW= Hardwire ¹⁶ ML= Mate N Lock ^{5,10,16}	[Blank]= No Option BB= Battery Back Up ^{7,14} 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 ⁴ MC20= Integrated Control, Manual Programmable, 8'-20' Lens ⁵ MC40= Integrated Control, Manual Programmable, 20'-40' Lens ⁵ WS20= Integrated Control, Remote Programmable, 8'-20' Lens ⁵ WS40= Integrated Control, Remote Programmable, 20'-40' Lens ⁵ -DT= Integrated Control, Daintree, ZigBee Wireless System, High, Low Bay and Aisle Lenses ^{5,9} -EN= Integrated Control, Enlighted Wireless System, (Max. Install Height 50') ^{5,8,9} Note: End Mounted Sensors Available [See Accessories Table]	[Blank]= Bulk Pack -SP= Single Pack
	A1= 13,000lm B1= 15,000lm C1= 17,000lm D1= 23,000lm E1= 25,000lm High Efficiency AH= 12,000lm BH= 15,000lm CH= 17,000lm DH= 20,000lm EH= 24,000lm FH= 28,000lm Note: High Efficiency Fixtures are not available with an Aisle Area [AA] option.									

Accessories (Field Installed)

End Mounted Sensor Options ^{13*}	
OEMS1300P ⁴	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 ⁴	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 ⁴	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 ⁵	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 ⁵	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 ¹¹	Rigid/Flush and Threaded Rod Mounting Bracket Set, White Powdercoat
LED-HBHC2-PMR01-KIT-WH ¹²	Rigid Pendant Mount Kit for the HBHC2 Fixture, White Powdercoat
Additional Fixture Accessories**	
LED-HB-SCBL01-KIT	High Bay Safety Cable Kit
LED-HBHC2-LFA-KIT	Frosted Acrylic Lens Kit, Bulk Packaging
LED-HBHC2-WG01-KIT	Wireguard Kit for Fixture, Bulk Packaging
**Add "-SP" at the end of the Additional Fixture Accessories order logic for Single Pack.	
External Transformers ¹⁵	
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
(See Hyperlink for Order Logic in Field Accessories Table)



End Mounted Non Dimming Sensor
(See Hyperlink for Order Logic in Field Accessories Table)



Sensor Configuration Tool
(FSIR-100)

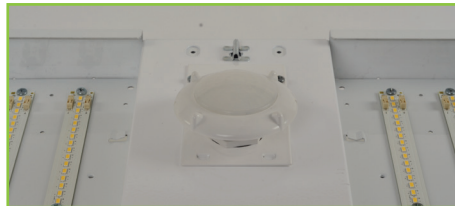


Fixture Wireguard
(LED-HBHC2-WG01-KIT)

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 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

³ Weight will vary based on option selection

⁴ Feature/accessory option is only available with **NDXX** driver type

⁵ Feature/accessory option is only available with **FDXX** driver type

⁶ Requires the purchase of a Platform power cord. Cord is not included with fixture purchase

⁷ Fixture with Battery Back Up cannot be installed in an environment where the ambient temperature falls below 32°F

⁸ **-EN** is limited to -35°C [-31°F] environments

⁹ Contact Customer Service regarding additional commissioning and back end control system pricing

¹⁰ **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**]

¹¹ Standard 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)

¹² This must be used with hardwired fixtures only. Cannot be used with an external transformer box, standard OESC, or standard OEMS1 style sensor

¹³ 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

¹⁴ Fixture with battery backup requires a hardwired fixture connection

¹⁵ 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

¹⁶ **ML** (Mate-N-Lock) or **HW** (Hardwire) fixture option is not available with OEMS1 style sensors