

HBIF3

Applications

The ISON HBIF3 is an industry leader in meeting high bay and low bay illumination requirements for industrial, warehouse, manufacturing, commercial, wholesale, and retail applications.

With best in class "Lumen per Watt Performance" one can expect maximized energy savings, which will lead to the lowest total cost of ownership for high bay illumination.



HBIF3B10AUNVFDXX850NLPF

Features

- Future-proof modular design allows for easy access to components and is upgradeable for performance enhancements
- Superior thermal management leads to longer life and enhanced performance
- Lens options: Acrylic frosted lens that provides glare control to enhance low bay applications. Also available in a polycarbonate clear lens for dusty environments
- Emergency fixture identifier option available. End caps painted OSHA 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 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

- Patented modular design
- 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

150,000 hours L70

Warranty

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

Awards

IES Progress Report
Luminaire Category Selection 2017

Electrical Construction & Maintenance (EC&M) Product of the Year Winner - Luminaire Category 2017

Consulting-Specifying Engineer (CSE) Product of the Year Finalist Lighting and Luminaire Category 2017

LED Magazine Sapphire Award Finalist - Industrial SSL Design Category 2017

Plant Engineering's Product of the Year Finalist 2016



Performance Information, Open Area No Lens³

Series	Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	CCT	CRI	Input Current	Power Factor
HBIF3	A1	11,300lm	277V	58w	196	5000K	≥77	0.21A	>.90
HBIF3	B1	14,260lm	277V	72w	197	5000K	≥77	0.26A	>.90
HBIF3	B2	17,210lm	277V	87w	197	5000K	≥77	0.31A	>.90
HBIF3	C1	22,610lm	277V	106w	214	5000K	≥77	0.38A	>.90
HBIF3	D1	24,190lm	277V	127w	191	5000K	≥77	0.46A	>.90
HBIF3	A1	11,210lm	480V	60w	187	5000K	≥77	0.12A	>.90
HBIF3	B1	13,960lm	480V	74w	189	5000K	≥77	0.15A	>.90
HBIF3	B2	16,690lm	480V	89w	188	5000K	≥77	0.19A	>.90
HBIF3	C1	20,030lm	480V	105w	191	5000K	≥77	0.22A	>.90
HBIF3	D1	23,660lm	480V	129w	183	5000K	≥77	0.27A	>.90
HBIF3	A1	12,360lm	277V	66w	188	5000K	≥83	0.24A	>.90
HBIF3	B1	15,280lm	277V	81w	189	5000K	≥83	0.29A	>.90
HBIF3	B2	18,310lm	277V	99w	185	5000K	≥83	0.36A	>.90
HBIF3	C1	20,150lm	277V	105w	192	5000K	≥83	0.38A	>.90
HBIF3	D1	26,080lm	277V	144w	181	5000K	≥83	0.52A	>.90
HBIF3	A1	12,290lm	480V	67w	184	5000K	≥83	0.24A	>.90
HBIF3	B1	15,230lm	480V	83w	184	5000K	≥83	0.29A	>.90
HBIF3	B2	18,410lm	480V	100w	183	5000K	≥83	0.35A	>.90
HBIF3	C1	19,470lm	480V	104w	186	5000K	≥83	0.38A	>.90
HBIF3	D1	25,820lm	480V	145w	178	5000K	≥83	0.51A	>.90

Ambient Operating Temperatures 5 Year Warranty^{8,9}

Nominal Lumen Code	120v-277v	347v/480v
All Models	-20°C to 65°C [-4°F to 149°F]	-20°C to 55°C [-4°F to 131°F]

Ambient Operating Temperatures 10 Year Warranty^{8,9}

Nominal Lumen Code	120v-277v	347v/480v
All Models	-20°C to 55°C [-4°F to 131°F]	-20°C to 45°C [-4°F to 113°F]

Physical Information⁴

Length	Width	Depth	Weight
46.70"	19.70"	3.69"	16.70lbs.

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
HBIF3	B1	OA	UNV	FDXX	850	NL	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
HBIF3 = ISON LED High Bay, Gen 3	A1 = 11,000lm B1 = 14,000lm B2 = 17,000lm C1 = 22,000lm D1 = 24,000lm	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	750 = 77CRI; 5000K 840 = 83CRI; 4000K 850 = 83CRI; 5000K	NL = No Lens LF = Lens, Frosted Acrylic LC = Lens, Clear Polycarbonate Note: Wireguard Available [See Accessories Table]	PF = Platform ⁷ HW = Hardwire ¹³ ML = Mate N Lock ^{7,11,13}	(Blank) = No Option OE = Orange Emergency (Painted End Caps) FWBB = Fixture with Battery Back Up ^{8,14} BBOE = Battery Back Up with Orange Emergency (Painted End Caps) ^{8,14} 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'-40' 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

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^{9,10}

Note: End Mounted Sensors Available [See Accessories Table]

Accessories (Field Installed)

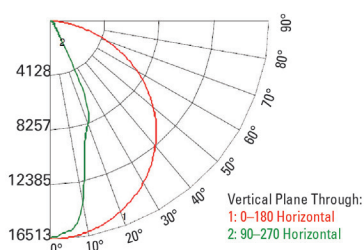
End Mounted Sensor Options ^{12*}	
OEMS1300P⁵	End Mounted On/Off Only Sensor, 120v-277v, Normal Temp/Dry, High Bay, Low Bay & Aisle Lenses, 4-Pin Platform Input, 4-Pin Platform Output
OEMS1330P⁵	End Mounted On/Off Only Sensor, 120v-277v, Cold Temp/Damp, High Bay, Low Bay & Aisle Lenses, 4-Pin Platform Input, 4-Pin Output
OEMS1370P⁵	End Mounted On/Off Only Sensor, 480v, Normal Temp/Dry, High Bay, Low Bay & Aisle Lenses, 5-Pin Platform Input, 5-Pin Platform Output
OEMS1360P⁶	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]
OEMS1368P⁶	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]
OEMS1380P⁶	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, OEMS1368P or embedded sensor WSxx)
OEMS1 Network Controls	For end mounted field installed network control options and order logic, click the hyperlink to the right 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	
H127SET-DG	Rigid and Threaded Rod Mounting Bracket Set, Dark Gray Powdercoat
PMRM-HBIF3-DG-3/4-AW	Rigid Pendant Mounting Bracket for HBIF3 Style Fixtures, Dark Gray
Additional Fixture Accessories**	
LED-HBIF3-LF-KIT	Frosted Acrylic Lens Kit, Bulk Packaging
**Add "-SP" at the end of the Additional Fixture Accessories order logic for Single Pack.	

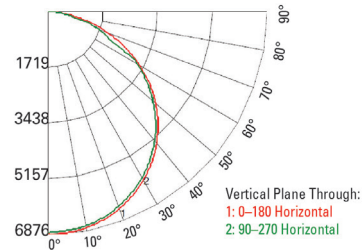
Photometrics

Visit orionlighting.com to obtain all .IES files

C1 AA 850 NL



C1 OA 850 NL



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 Options [Factory Installed]



Integrated Sensor
(WSXX)²



Battery Back Up
(FWBB)



Lens, Frosted Acrylic
(LF)



Enlighted Integrated Sensor
(ENx)



Orange End Caps
(OE)

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.

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 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 0°C [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 **ML** [Mate-N-Lok] is only available with a **NDXX** driver type unless used with an integrated dimming capable control [**MCxx**, **WSxx**, or **ENx**]

¹² 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

¹³ **ML** [Mate-N-Lock] or **HW** [Hardwire] fixture option is not available with OEMS1 style sensors

¹⁴ Fixture with battery backup requires a hardwired fixture connection