project name		type	
catalog number		voltage	
approved by		date	

HBX3 PERFORMANCE ROUND HIGH BAY

The HBX3 is designed for the toughest environments. This robust fixture series excels in high power, high voltage, high temperature applications. It includes 10kV surge protection, with an additional 20kV option. The HBX3 is NEMA 4X rated to withstand corrosion, windblown dust, rain, and hose directed water. Optional NSF certification makes it suitable for food processing areas, while its high temperature construction option extends its adaptability across harsh industrial settings.

FEATURES AND BENEFITS

PERFORMANCE
- Power Selectable SKUs with 4 power settings for field customization.
- Input voltage: 120-277V SKUs for 300W units, 277-480V SKUs for all wattages.
- Lumen packages (12,800 – 48,000 lumens) provide solutions for mounting heights up to 45'.
- Die cast aluminum housing and impact resistant lens for durable construction.
- Technical performance:
  - CRI >80
  - Efficacy up to 160 LPW
  - Lumen Maintenance 70% (L70) at > 100,000Hrs
  - THD <20%, Power Factor >0.9
  - Surge Protection: 10kV included
  - NEMA 4X rated
- All products are DesignLights Consortium® (DLC) Premium listed
- Thermal: -40°F to 131°F (-40°C to 55°C) ambient temperature standard. High temp driver modification available.

INSTALLATION
- Accessories included in the box:
  - 10'/600V rated power and dimming cord
  - Mounting Hook included
- Multiple mounting options available:
  - Yoke for surface mounting
  - Pipe Adaptor for pendant mounting; M10 to ¾".
- Wire guard options available for added security.
- Prismatic reflector, cone lens, aluminum reflector accessories available for focused light distribution.

CONTROLS
- Standard 0-10V dimming with Dim-to-Off.
- Controls Ready design for standalone and networked control options.
  - Ships with controls ready receptacle for field installation.
  - EiKO Plug-and-Play sensors and controls available.
- 3rd Party network control options through factory customizations.

CUSTOMIZATION
- Factory installed options to meet custom requirements and building codes:
  - NSF listed for Splash Zone, Non-Food Zone, and Food Zone.
  - 20kV additional surge protection
  - High temperature construction through modified driver placement: -40°F to 149°F (-40°C to 65°C)
  - 90-minute emergency lighting
  - 3rd party networked controls
  - Custom cord lengths and plugs (default cord is 10'/600V rated)

APPLICATIONS

- Warehouses
- Manufacturing Plants
- Distribution Centers
- Grocery Stores
- Gymnasiums
- Indoor Recreational Facilities
- Big Box Retail
- Service Repair Centers

AVAILABLE MODELS

ORDER CODE	MODEL	DLC PRODUCT ID	DLC CLASSIFICATION
120-277V POWERSET			
13559	HBX3-PS300-40-U	S-3OV8PE	Premium
13560	HBX3-PS300-50-U	S-CKO87T	Premium
277-480V POWERSET			
13561	HBX3-PS150-40-V	S-NSOZEX	Premium
13562	HBX3-PS150-50-V	S-B13EZQ	Premium
13563	HBX3-PS240-40-V	S-25EGAB	Premium
13564	HBX3-PS240-50-V	S-NFJ5AR	Premium
13565	HBX3-PS300-40-V	S-ME9I1H	Premium
13566	HBX3-PS300-50-V	S-074YEN	Premium

All fixtures ship at the highest wattage setting at 5000K CCT.

AVAILABLE MODELS

ORDER	ORDER CODE	MODEL	WATTS (W)	COLOR TEMPERATURE (CCT)	LUMEN OUTPUT (lm)	INPUT VOLTAGE (VAC)	SIZE
120-277V POWERSET							
	13559	HBX3-PS300-40-U	300/285/270/255	4000	48,000 / 45,600 / 43,200 / 40,800	120-277	15.375" X 8.6875"
	13560	HBX3-PS300-50-U	300/285/270/255	5000	48,000 / 45,600 / 43,200 / 40,800	120-277	15.375" X 8.6875"
277-480V POWERSET							
	13561	HBX3-PS150-40-V	150/130/100/80	4000	24,000 / 20,800 / 16,000 / 12,800	277-480	13" X 7.75"
	13562	HBX3-PS150-50-V	150/130/100/80	5000	24,000 / 20,800 / 16,000 / 12,800	277-480	13" X 7.75"
	13563	HBX3-PS240-40-V	240/220/200/180	4000	38,400 / 35,200 / 32,000 / 28,800	277-480	15.375" X 8.6875"
	13564	HBX3-PS240-50-V	240/220/200/180	5000	38,400 / 35,200 / 32,000 / 28,800	277-480	15.375" X 8.6875"
	13565	HBX3-PS300-40-V	300/285/270/255	4000	48,000 / 45,600 / 43,200 / 40,800	277-480	15.375" X 8.6875"
	13566	HBX3-PS300-50-V	300/285/270/255	5000	48,000 / 45,600 / 43,200 / 40,800	277-480	15.375" X 8.6875"

ORDERING GUIDE

MODEL CONFIGURATOR					FACTORY INSTALLED OPTIONS				
MODEL	WATTS	COLOR TEMPERATURE	INPUT VOLTAGE	FINISH	CUSTOM CORD LENGTH	CORD END	HIGH TEMP CONSTRUCTION	ADDITIONAL SURGE PROTECTION	NSF
HBX3									**NSF**
HBX3	**PS150 -** 150/130/100/80W **PS240 -** 240/220/200/180W **PS300 -** 300/285/270/255W	**40 –** 4000K **50 –** 5000K **FCCT –** Field Color Selectable (3500K/4000K/5000K)	**U -** 120-277V **V -** 277-480V	**[Blank] -** Black **WH –** White	**[Blank] -** Default, 10'/600V cord **W1xx:** 300V 18/3 white cord **W2xx:** 600V 18/3 white cord **W3xx:** 600V 18/6 white cord with dimming wires and a 24/7 hot wire for battery backup (Cord end option is not available) Custom length required (in feet)	**[Blank] -** Default, no cord end **N01 -** 125V 15A straight plug **N02 -** 250V 15A straight plug **N04 -** 125V 15A locking plug **N05 -** 250V 15A locking plug **N06 -** 277V 15A locking plug **N07 -** 125V 20A straight plug **N08 -** 250V 20A straight plug **N11 -** 250V 20A locking plug **N12 -** 277V 20A locking plug **N13 -** 347V 20A locking plug **N14 -** 480V 20A locking plug	**[Blank] :** Default, standard driver housing **HT :** High temp (149°F/65°C) driver housing component	**[Blank] :** Default, no additional protection **SP2 :** 20kV surge protection	**NSF:** NSF

EXAMPLE PART NUMBER: HBX3-PS240-40-V-N08-HT-NSF

MOUNTING SYSTEMS

ORDER	ORDER CODE	ITEM #	DESCRIPTION	IMAGES
	13821	PA-12-34*	HBX3 Pipe adaptor, 1/2" to 3/4"	
	800821	HBX2-YK	100-200W Mounting Yoke for HBX2 and HBX3	
	800832	HBX2-YK-L	240-300W Mounting Yoke for HBX2 and HBX3	

Visit eiko.com for compatible alternate from previous generation.

WIRE GUARDS & REFLECTORS

ORDER	ORDER CODE	ITEM #	DESCRIPTION	IMAGES
	14308	WG1-S*	Wire guard, for HBX3 150W. Use with reflector	
	14309	WG1-M*	Wire guard, for HBX3 240-300W. Use with reflector	
	14315	REF-PC-S*	Reflector, Prismatic, for HBX3 150-200W (polycarbonate)	237 mm / 160 mm / 411 mm
	14316	REF1-PC-M*	Reflector, Prismatic, for HBX3 240-300W (polycarbonate)	292 mm / 164 mm / 411 mm
	14318	REF1-CL*	Cone lens, compatible with REF1-PC-S, REF1-PC-M (polycarbonte)	40 mm / 391 mm
	14319	REF1-AL-S*	Reflector, Aluminum, for HBX3 150-200W	236 mm / 164 mm / 413 mm
	14320	REF1-AL-M*	Reflector, Aluminum, for HBX3 240-300W	292 mm / 182 mm / 473 mm

Visit eiko.com for compatible alternate from previous generation.

EMERGENCY LIGHTING SOLUTIONS

ORDER	ORDER CODE	ITEM #	DESCRIPTION	IMAGES
	12901	EEBW40WHA170* *View spec sheet*	**EiKO 40W** - 100-347VAC Hook mounting CEC Compliant. See spec sheet for full details.	
	12902	EEBW40WVA500 *View spec sheet*	**EiKO 40W** - 277-480V Hook mounting CEC Compliant. See spec sheet for full details.	
	13293	RC-001	Remote Control for EEBW Battery Pack (optional)	

* WARNING: *When using these AC version battery packs with any controls solution, internal rewiring is required according to the installation sheets' wiring diagram. Failure to do so may result in a violation of safety codes.* *View Installation Instructions*

FLUORESCENT & HID REPLACEMENTS GUIDE

FLUORESCENT	HID	HBX3 WATTS	LUMEN OUTPUT (lm)	INPUT VOLTAGE	MODEL
4xT5HO, 6xT8	400W MH	150/130/100/80	24,000 / 20,800 / 16,000 / 12,800	120-347	HBX3-PS150-FCCT-H-WH
				277-480	HBX3-PS150-40-V
					HBX3-PS150-50-V
8 xT5HO	750W MH	240/220/200/180	38,400 / 35,200 / 32,000 / 28,800	277-480	HBX3-PS240-40-V
					HBX3-PS240-50-V
8 xT5HO	1000W MH	300/285/270/255	48,000 / 45,600 / 43,200 / 40,800	120-277	HBX3-PS300-40-U
					HBX3-PS300-50-U
				277-480	HBX3-PS300-40-V
					HBX3-PS300-50-V

CONTROLS READY
STANDALONE LIGHT & MOTION SENSORS

Field-installable, screw-in, plug-and-play sensors transform EiKO controls ready fixtures into smart lighting devices which respond to the environment and save time, cost and energy consumption, in applications up to 40ft.

Configure EiKO standalone sensor settings using the sensor commissioning tool to achieve desired behavior and enable advanced light control functions, such as Daylight Harvesting and Dusk-to-Dawn dimming.

PIR: SEN5A-SPPR-WH

Recommended use:
- Applications with stable operating temperatures
- Direct line of sight and accurate positioning
- Away from direct sunlight or rapidly changing temperature sources like, HVAC vents.

View spec sheets for complete product information

MICROWAVE: SEN5A-SPMR-WH

Recommended use:
- Low Temp applications (i.e commercial freezers)
- Install on fixed mounted fixtures (not recommended for suspended fixtures)
- Away from motor objects like fans & machinery

View spec sheets for complete product information

ORDER	ORDER CODE	MODEL	DESCRIPTION	IMAGE
	13861	SEN5A-SPPR-WH	Standalone Screw-in PIR Motion Sensor	
	13859	SEN5A-SPMR-WH	Standalone Screw-in Microwave Motion Sensor	
SEN5A COMMISSIONING TOOL				
	13344	SEN5A-ACT	Commissioning Tool for SEN5A	

EiKO Standalone sensors come with default settings below:

- Brightness: 100%
- Sensitivity: 75%
- Hold Time: 10 minutes
- Daylight Function: Disable
- Dim level: 30%
- Dim Time: 1 minute

BLUETOOTH NETWORKED SENSOR

EiKO's field-installable screw-in Bluetooth (BLE) enabled PIR sensor brings network control capabilities to EiKO Controls Ready fixtures.

Use the Silvair Commissioning app to set up and configure the sensor settings and your lighting network.

Pair multiple SENA-WPPR-WH enabled fixtures to create zone and group level control. Add compatible wall stations or switches to complete your desired control plan and advanced control strategies all through the Silvair App.

No hubs, routers, gateways required.

PIR : SENA-WPPA-WH

View spec sheets for complete product information

Powered by:
SILVAIR

Web App: *platform.silvair.com*

Download on the App Store

GET IT ON Google Play

ORDER	ORDER CODE	MODEL	DESCRIPTION	IMAGE
	13865	SENA-WPPA-WH	Bluetooth (BLE) Screw-in PIR Motion sensor	
SELF-POWERED WIRELESS WALL SWITCHES				
	12654	ESRPB-W-EO	Single - Bluetooth self-powered kinetic rocker switch White, Wall plate included	
	12655	EDRPB-W-EO	Double - Bluetooth self-powered kinetic rocker switch White, Wall plate included	
WIRELESS 120-277V WALL CONTROLLERS				
	12635	PSC-DM-WS-100-BLE-SR	Bluetooth Single Gang Single Button Wall Controller, 120-277V White, Parameters set by Silvair App.	
	12636	PSC-DM-I-WS-100-BLE-SR	Bluetooth PIR Occupancy/ Vacancy Sensor, 120-277V, Single Gang Wall Controller, White, Parameters set by Silvair App.	
	12637	PSC-DM-WS-400-BLE-SR	Bluetooth 4-Button Wall Controller, 120-277V, Single Gang, White, Parameters set by Silvair App.	

eiko.com
Rev. August 29, 2025

1. Screw the 1/2" knockout out with screw driver.
2. Screw the sensor in.

A

B
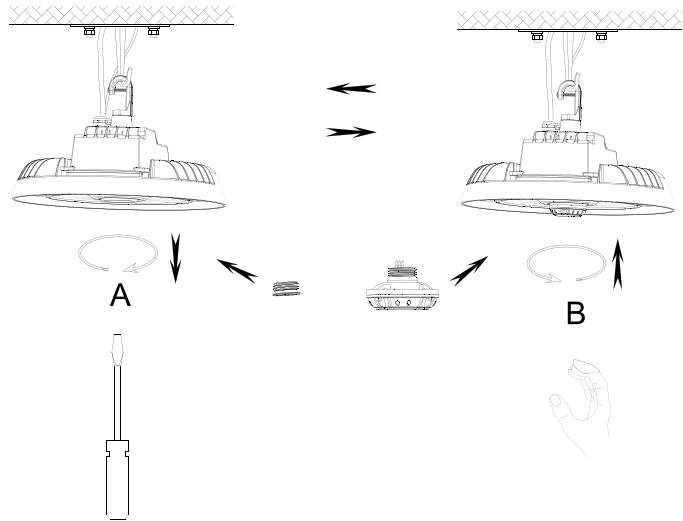
STANDALONE VS NETWORKED CONTROL

FEATURE	STANDALONE CONTROLS	NETWORKED CONTROLS
Operation	Independent	Zone/Group
Commissioning Method	Remote Control (optional)	App (required)
Daylight Harvesting	✓	✓
Sensitivity Adjustment	✓	✓
Time Delay	✓	✓
Occupancy Sensing	✓	✓
Scheduling*		✓
Energy Monitoring*		✓
Remote Access*		✓
Manual Override		Wireless Wall Controller

*Requires additional parts, please consult your EiKO salesperson.

PRODUCT DIMENSIONS

150W MODELS
Weight: 8.6 lbs / 3.9 kg
Pallet Quantity

13"/330mm

5/16"/196mm

FRONT VIEW

BOTTOM VIEW
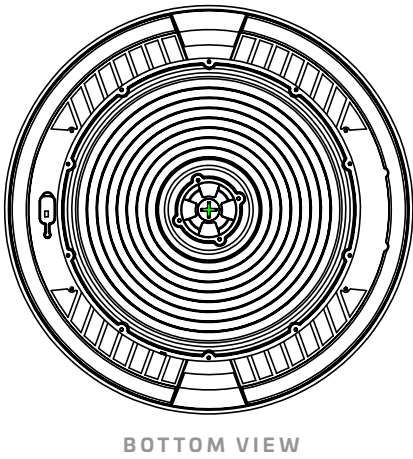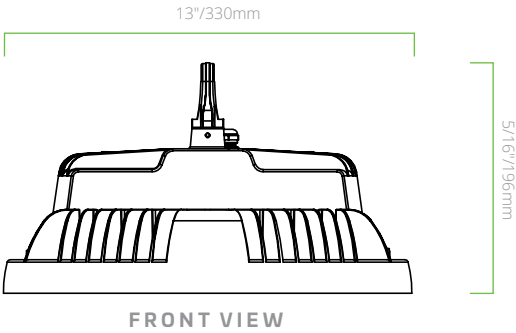
240-300W MODELS
Weight: 13.9 lbs / 6.3 kg
Pallet Quantity

15.3"/390mm

5/16"/220mm

FRONT VIEW

BOTTOM VIEW