



Catalog Number	
Project	Type

FEATURES & SPECIFICATIONS

APPLICATION — The LWDHB brings the benefits of gasketed enclosures to High Bay and Low Bay applications. Ideal for use in high mounting height environments where dust, dirt, or moisture is present including food processing, cold storage, sports concourses, manufacturing, and industrial.

CONSTRUCTION — The LWDHB utilizes a gear tray design with symmetric hinging for easy wiring access. Rigid one-piece housing construction. Compression molded self-extinguishing fiberglass reinforced polyester compound with UL 5V flame rating (ASTM D635-74) and F1 weatherability rating. The housing is sealed against dust and moisture. Gear trays constructed of high reflective, 22-gauge, pre-painted steel. Contoured component surfaces reduce the buildup of debris and promote easy cleaning. Universal gear tray is symmetrically hinged for easy maintenance access via three steel hinges. Gear tray latches to housing via two stainless steel latches. Lens secured by 12 stainless steel cam latches. Hangers come standard with fixture.

FINISH — All reflective surfaces are finished with a high reflectance, lighting fixture white polyester powder.

OPTICAL SYSTEM — Thermoformed contoured clear acrylic lens has linear ribbed features for lamp obscuration and glare reduction. LED strips covered with VWD (Very Wide 120°) acrylic diffusers.

ELECTRICAL SYSTEM — Standard housings available with one 7/8" conduit entry point on either or both ends. Dimming Method: 1-10V Dimming.

LWDHB SERIES

4' LED Wash Down Vapor Tight High Bay



SERIES	HOUSING HEIGHT	LENGTH & WIDTH
LWDHB	6-1/2"	50-5/8" x 17-1/4"

MOUNTING — Stainless steel mounting bracket kits available for surface, stem, chain or adjustable cable mounting.

LISTINGS — ETL listed for wet locations (IP65, IP66 and IP67). Meets US and Canadian safety standards. NSF International certified for NSF/ANSI Standard 2 – Food Equipment and Splash Zone 2. RoHS Compliant. 8L-32L Surface mounted operating temperature: -40°C (-40°F) to 40°C (104°F). 36L-48L Surface mounted operating temperature: -40°C (-40°F) to 35°C (95°F). 8L-32L Suspended at least 18" from ceiling operating temperature: -40°C (-40°F) to 45°C (113°F). 36L-48L Suspended at least 18" from ceiling operating temperature: -40°C (-40°F) to 40°C (104°F).

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

EXAMPLE:

LWDHB 40L 40 VWD 1 GRY

LWDHB						
SERIES	NOMINAL LUMENS	COLOR TEMP/CCT	LENS	VOLTAGE	FINISH	OPTIONS
	8L = 8,000 Lumens 12L = 12,000 Lumens 18L = 18,000 Lumens 24L = 24,000 Lumens 32L = 32,000 Lumens 36L = 36,000 Lumens 40L = 40,000 Lumens 48L = 48,000 Lumens	50 = Cool White (5000K) 40 = Neutral White (4000K)	VWD = Very Wide 120°	1 = Multi-Volt ¹ 2 = 347-480V	GRY = Gray	HOEB = LED Battery Pack, 90 min, 5050 lumens STC63 = 6' x 3X 18AWG, 1/2" Seal Tight Conduit with 1/2-14 NPT threaded fittings STC64 = 6' x 4X 18AWG, 1/2" Seal Tight Conduit with 1/2-14 NPT threaded fittings STC65 = 6' x 5X 18AWG, 1/2" Seal Tight Conduit with 1/2-14 NPT threaded fittings WLSJx² = 3/8" dia., 16/3 SJ Cord with Wet Location Cable Connector FBF = Internal Fast-Blow Fuse DLP = Dimming Leads Pulled WOC5³ = Wet Location High Bay Occupancy Sensor High/Low/Off WOCLEV⁴ = Fixture Mount PIR Occupancy Sensor with Daylight Harvesting WOCBT⁵ = Bluetooth Mesh Wireless Smart Control EL400FS⁶ = Sensor extension with wire-through for sensor alignment EBH100 = 4' Contoured frosted acrylic Lens

ACCESSORIES

(Order as separate line items)

- 10JC** (3) S Hooks and 10' Jack Chain Set
- MH** 1/2" Myers Hub (2X)

NOTES

- 1 = Multi-Volt is 120/277V.
- 2 = Must specify cord length when ordering. Replace "x" with length in feet.
Example: WLSJ10 = 10' of 3/8" dia., 16/3 SJ Cord with Wet Location Cable Connector
- 3 = Must specify voltage (120V, 277V only)
- 4 = PIR Occupancy Sensor Input voltage 120-347V
- 5 = Bluetooth Mesh Input voltage 120-277V
- 6 = Must be ordered as a separate line item, and along with one of the WOC options.

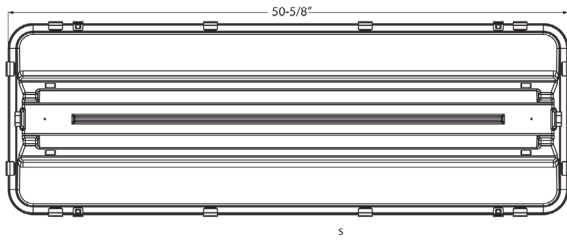


LWDHB 4' LED Wash Down Vapor Tight High Bay

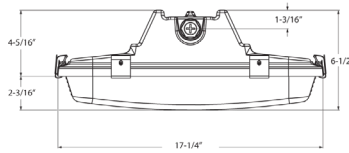
AVAILABLE FIXTURE DIMENSIONS

Dimensions shown are for fixture bodies only. Mounting options must be ordered separately.

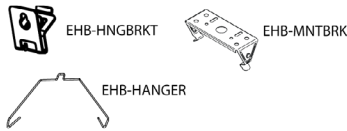
TOP VIEW



END VIEW



Standard Mounting Parts:



SIDE VIEW



FIXTURE & MOUNTING ACCESSORIES

HOEB
LED Battery Pack, 90 min, 5050 lumens



10JC
(3) S Hooks and 10' Jack Chain Set



EHB100F
4' Contoured Acrylic Frosted Lens



LUMINAIRE CHARACTERISTICS

Item Number	Nominal Lumens	System Wattage	LPW	L70 @ 25°C	Amperage Draw			
					120V	208V	240V	277V
8L	8000	52	154	>50K	0.40 A	0.30 A	0.20 A	0.20 A
12L	12000	76	157	>50K	0.63 A	0.37 A	0.32 A	0.27 A
18L	18500	140	132	>50K	1.2 A	0.70 A	0.60 A	0.50 A
24L	24000	180	134	>50K	1.50 A	0.87 A	0.75 A	0.65 A
32L	32000	222	144	>50K	1.80 A	1.02 A	0.88 A	0.77 A
36L	36000	233	155	>50K	1.90 A	1.12 A	0.97 A	0.84 A
40L	40000	282	141	>50K	2.3 A	1.3 A	1.1 A	1.0 A
48L	48500	314	154	>50K	2.6 A	1.5 A	1.3 A	1.1 A

WARNING: Maintenance performed including the replacement of LED strips while power is still supplied to the luminaire may result in system failures and will void the warranty.



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LWDHB 4' LED Wash Down Vapor Tight High Bay

FIXTURE MOUNT SENSOR

The **WOCBT** and **WOCLEV** PIR Fixture Mount Occupancy Sensors offer a comprehensive and user-friendly solution for intelligent lighting control in high and low bay applications. These easy-to-program sensors seamlessly integrate with existing LED fixtures using a standard 1/2" knockout, eliminating the need for complex wiring configurations.

WOCLEV PIR

Both highbay and lowbay lens are provided with sensor. Highbay lens is factory installed as standard. Lowbay lens must be field installed unless otherwise requested.



WOCBT PIR

HOLH 2D model shown with dimming occupancy sensor with bluetooth mesh technology.



ANDROID & IOS APP AVAILABLE FOR BLUETOOTH CONTROLLER



Android



IOS

EL400FS extension with SENSORS

APPLICATION — Sensor extension with wire-through for optimal sensor alignment, avoiding fixture obstructions to ensure a full range of view.

EL400FS - Wire-through motion sensor extension

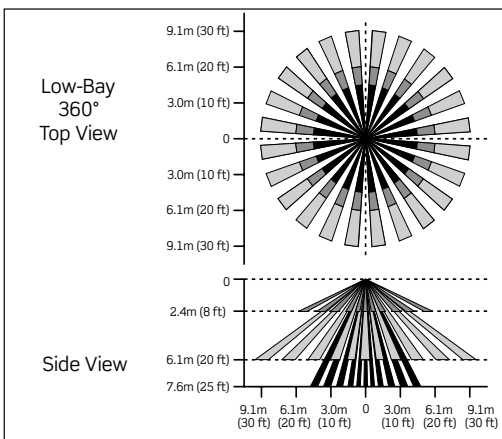
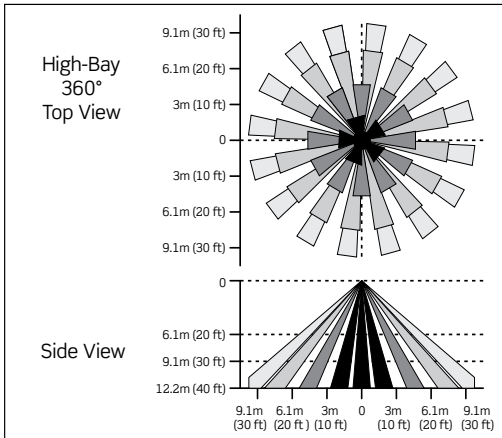


WOCLEV - Fixture Mount PIR Occupancy Sensor

WOCBT - Bluetooth Mesh Wireless Smart Control

Order EL400FS as a separate line item along with one of the sensors above.

WOCLEV PIR LENSES FIELD OF VIEW



KEY FEATURES:

- **1-10V Dimming Control (0-100%):** Precisely adjust light levels based on occupancy and ambient daylight, maximizing energy savings.
- **Integrated Photocell with Patented AutoCal™:** Automatically adapts lighting based on natural light, with set-it-and-forget-it calibration.
- **Interchangeable Lenses (360°):** Optimize detection for high bay (up to 40ft) or low bay environments with included lenses.
- **Universal Compatibility:** Works seamlessly with a wide range of LED fixtures.
- **Cold Storage Ready:** Available in a model suitable for temperatures as low as -40°F.

SIMPLIFIED INSTALLATION:

The **WOCBT** and **WOCLEV** sensors install directly onto your LED fixture through a standard 1/2" knockout using the provided locknut. Factory-connected wiring eliminates complex configurations, ensuring a quick and hassle-free setup.

ADDITIONAL FEATURES:

- **Suitable for standard and cold storage applications.**
- **Visual RGB LED indicators** provide clear device status and simplify troubleshooting.
- **Alternating relay software** extends lamp life.
- **Adjustable time delay (no power required)** for customization.
- **Pre-stripped color-coded wire leads** for efficient connection.
- **Quicksnap feature** for easy installation.
- **H.I.S. (High Inrush Stability) Technology** ensures smooth operation.
- **Zero crossing circuitry** protects electrical components.
- **Robust mechanical latching relay** delivers reliable performance.
- **Relay always returns to close after power loss event** for consistent operation.
- **UL listed for electronic driver loads 120/277V** guarantees safety and compliance.

IDEAL APPLICATIONS:

- Warehouses • Manufacturing Facilities • Gymnasiums
- Auditoriums • Retail Spaces (with high ceilings)



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GROUNDED IN ILLUMINATION