



LWS-BH2-Open Frame



LWS-BH2-Grille Frame



LWS-BH2-Half Cutoff Frame

Catalog Number:	
Project:	
Comments:	
Prepared By:	Date:

## Description

The LWS-BH2 Round Bulkhead is designed to replace HID lighting systems up to 250w MH or HPS. The grid frame and, half-cut-off frame, help protect the UV-stabilized polycarbonate lens and adds a decorative appearance, while the open-door frame allows for maximum light output. Typical applications include office and public buildings, condominiums, schools, shopping malls, and hospitality. Recommended mounting heights are 8 to 20 feet.

## Performance Data

### OPEN FRAME

Input Watts Optic	CCT	DELIVERED LUMENS		
		12W	17W	25W
Type V	3000K	1,586	2,220	3,330
	4000K	1,720	2,408	3,613
	5000K	1,792	2,509	3,763
	BUG Rating	B1-U1-G0	B1-U1-G0	B1-U1-G0

### GRILLE FRAME

Input Watts Optic	CCT	DELIVERED LUMENS		
		12W	17W	25W
Type V	3000K	1,349	1,888	2,832
	4000K	1,463	2,048	3,073
	5000K	1,524	2,134	3,201
	BUG Rating	B1-U1-G0	B1-U1-G0	B1-U1-G0

### HALF CUTOFF FRAME

Input Watts Optic	CCT	DELIVERED LUMENS		
		12W	17W	25W
Type V	3000K	1,321	1,850	2,775
	4000K	1,433	2,007	3,010
	5000K	1,493	2,090	3,135
	BUG Rating	B1-U1-G0	B1-U1-G1	B1-U1-G1

## Dimensions

Model	Depth	Height
LWS-BH2	12 1/2"	3 15/16" Open Frame
	12 1/2"	4 3/8" Grille and Half Cutoff Frame

## Technical Specifications

**Input Voltage:** 120-277V or 347-480V

**Housing:** Die Cast Gasketed Aluminum Open Front Frame, Cutoff Front Frame, or Grid Frame and Housing with Integral Heat Sinking and Driver Compartment. Nickel-Plated Stainless Steel Hardware. PhotoCell Adaptable.

**Finish:** Textured Architectural Bronze Powder Coat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request

**Lens:** SoftLED LumaLens UV-Stabilized Polycarbonate Opal Vandal-Resistant Lens Eliminates LED Hot Spot Spots.

**Mounting:** Surface mount.

**Effective Projected Area (EPA):** 0.30 ft<sup>2</sup>

**Color Temperature:** 3000K (30), 4000K (40), and 5000K (50).

**LED Lifetime:** All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

**Color Rendering Index (CRI):** Minimum of 70 or higher.

**Dimming:** 0-10V standard dimming capability.

**Surge Protection:** Thermally protected 10kV varistor type surge suppressor is included and meets ANSI Also meets IEEE C62.41.2 C High and UL1449 Recognized Component in the United States and Canada. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges. Optional 20kV available.

**Battery Back-Up (Optional):** When triggered into emergency mode, the BBU operates the LEDs for a code-compliant 90 minutes. When AC power is restored, the driver automatically returns to charging mode. The BBU is a UL recognized component and meets all applicable safety standards.

**Lumecon ETD™ System:** The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

**Driver:** Electronic Driver, 120-277V, 50/60Hz, 347V, 50/60Hz or 480-347V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

**Controls:** Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with Lumecon Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

**Certification Data:** CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP66 Sealed LED Compartment.

**Buy American:** Meets Buy American requirements within the ARRA and Build America, Buy America (BABA) Acts

**Warranty:** 10 Year L70 performance based warranty. For full warranty terms, please visit our website: [www.lumecon.com](http://www.lumecon.com)



### Ordering Information

LWS – BH2 Options / Ordering Example: LWS-BH2-18-1-40-1-O-DB-10kV

Wattage	Voltage	Color Temperature	Frame	Color	Surge Protection
13 - 13 Watts	1 - 120-277V	30 - 3000K	O - Open	DB - Dark Bronze	10kV - 10kV (Standard)
18 - 18 Watts	2 - 347-480V*	40 - 4000K	G - Grille	W - White	20kV - 20kV
27 - 27 Watts	*27W only	50 - 5000K	H - Half Cutoff	CC - Custom Color	

### Options and Accessories

PC – Photocell

MS – Microwave Sensor with Dimming for mounting Heights of 8' to 40"

MST - Remote Programming Tool for MS

BB – Battery backup, 90 Minutes\*

BBC – Cold Start Battery Backup, -20C, 90 Minutes\*

\*120-277V Models Only

### Options & Accessories Images



O - Open



G - Grille



H - Half Cutoff