



## HBL Series High Bay LED

At Big Ass Solutions, we've put our right and left brains together to produce lighting fixtures that leave the competition in the shadows. Our Big Ass Light LEDs are conceived and constructed with the same engineering know-how and creative thinking as our Big Ass Fans and deliver the same exceptional long-term performance and outstanding energy efficiency. They're bright as day, tough as nails and never miss a corner of your space. And because they turn on instantly, there'll be no more waiting or fumbling in the dark when there's work to be done.

Big Ass Light's High Bay, Twin High Bay, Low Bay and Inverted LEDs outperform metal halides, fluorescents and competing LEDs across the board. Their heavy-duty anodized, extruded-aluminum housing provides superior heat dissipation and impact resistance, and their patented lumen maintenance trays protect from dirt while directing light where it's needed. They start up faster than fluorescent and HID fixtures and come with an industry-leading full seven-year warranty



### Product Highlights

- Construction** — Heavy-duty single extruded aluminum heatsink designed to perform in ambient temperatures from -40° C to 55° C (-40° F to 131° F) (-35° C for 20K/40K fixtures). End caps formed of glass-filled polycarbonate. Lumen maintenance trays made of UVA/UVB-resistant acrylic with optional polycarbonate construction.
- Electrical** — Expected life (L70) more than 150,000 hours with an L90 at approximately 60,000 hours. Driver standard with internal 0–10 V input; optional external factory-installed 0–10 V cable. Available as multi-volt input (120–277 V or 347–480 V). Surge protection optional.
- Optics** — Patented lumen maintenance trays direct light 25 to 115 degrees to accommodate facility needs. Available in aisleway, narrow, regular, wide, and diffused. UVA/UVB-resistant acrylic standard; optional polycarbonate available (meets AIB requirements).
- Controls** — Optional integrated occupancy sensor (IP66 rated) provides wireless handheld configuration tool for ease of adjustment from floor level. Settings include high/low modes, time delay from 30 seconds to 30 minutes, optional secondary cutoff for bi-level control, sensitivity adjustment, photocell on/off control (1-250FC or disabled). Optional third-party controls available; contact Big Ass Light for request.
- Installation** — Standard installation with aircraft cable (500 lb [226 kg] safety factor); suitable for suspension by chain or single ¾" NPT pendant socket. Mount fixture at minimum distance of 24" (610 mm) from roof or ceiling structure. Fixture will operate in mounting distance less than 24" (610 mm) with reduced maximum ambient temperature rating.
- Listings** — TÜV SÜD-certified to UL and CSA standards. Listed for damp locations and ambient temperatures -40° C to 55° C (-40° F to 131° F) (-35° C to 55° C for 20K/40K) when suspended a minimum of 24" (610 mm) from ceiling or roof. DLC-qualified; refer to product list at [www.designlights.org/QPL](http://www.designlights.org/QPL)
- Warranty** — 7-year complete fixture warranty in the US and Canada; includes power supplies. Certain exclusions apply. Warranty may vary by country. See complete warranty for details.
- Maintenance** — Zero-tool access to lumen maintenance tray; hinged door access to power supplies. Acrylic lumen maintenance tray may not be suitable for all industrial environments; contact Big Ass Light for details.
- Sensor** — Optional programmable, onboard occupancy/photo sensor with wireless remote.



Single Fixture



Twin Fixture

### Ordering Information<sup>1</sup>

Lighting	Series	Lumen Output	Color Temp	System Voltage <sup>2</sup>	Lumen Maintenance Tray	Cord Length <sup>3</sup>	Mounting Hardware <sup>4</sup>	Controls	Options
BAL	HBL1	10: 10,500 lm 14: 14,200 lm 20: 19,800 lm 26: 25,600 lm 40: 40,000 lm 52: 52,000 lm	04: 4000K 05: 5000K	01: 120/277 V 02: 347/480 V	01: Narrow 02: Regular 03: Wide 04: Diffused 06: Aisleway	P1: Pendant wiring 10: 10 ft (3.05 m)	01: Aircraft cable, 10 ft (3.05 m) 04: Pendant mount, ¾" NPT	00: No external dimming 01: Occupancy/Photo, with dimming control, 120/277 V 02: Occupancy/Photo, with dimming control, 347 V 03: External dimming cable 04: Occupancy/Photo, with dimming control, 480 V	S1: Emergency Battery S7: Inverted Twin S9: Inverted Single S13: Surge Protections

<sup>1</sup> Lead times may vary depending on options selected

<sup>2</sup> Additional transformer required for 347/480 V; contact Big Ass Light for details.

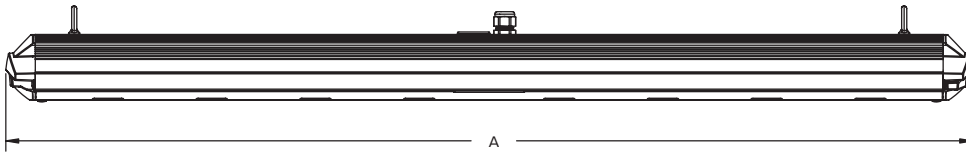
<sup>3</sup> Consult Big Ass Light for custom cord lengths.

<sup>4</sup> Consult Big Ass Light for pendant mounting distances longer than 25 feet (762 meters).



# High Bay LED

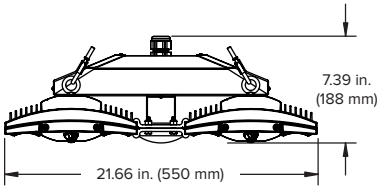
## TECHNICAL SPECIFICATIONS



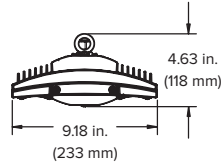
Side View

Fixture length (A)

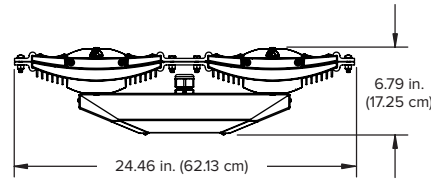
10K, 14K, 20K, & 40K	3.15 ft (0.96 m)
26K & 52K	3.87 ft (1.18 m)



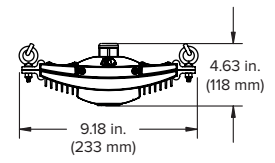
Front View  
40K, 52K



Front View  
10K, 14K, 20K, 26K



Front View  
Inverted 40K, 52K



Front View  
Inverted 10K, 14K, 20K, 26K

### Light Output<sup>1</sup>

Series	Wattage	Efficacy <sup>1</sup>	Color Temperature	Typical CRI
10,000 Lumen Model	99 W	105 lumens/watt	4000K, 5000K	83+
14,000 Lumen Model	135 W	108 lumens/watt	4000K, 5000K	83+
20,000 Lumen Model	194 W	108 lumens/watt	4000K, 5000K	70+
26,000 Lumen Model	253 W	110 lumens/watt	4000K, 5000K	70+
40,000 Lumen Model	388 W	108 lumens/watt	4000K, 5000K	70+
52,000 Lumen Model	506 W	110 lumens/watt	4000K, 5000K	70+

<sup>1</sup> Measured at 5000 K color temperature and 25° C (77 F) ambient temperature without lumen maintenance tray.

### Operational Specifications

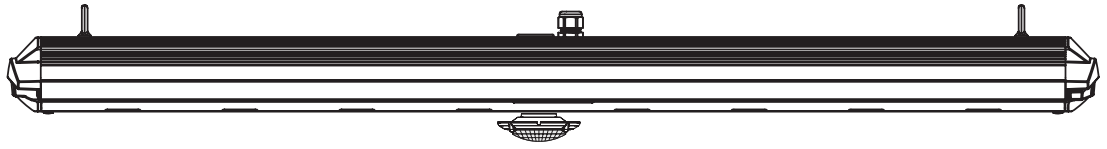
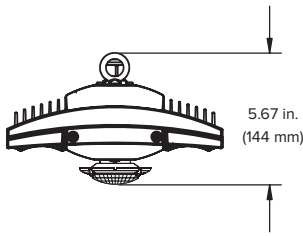
Lumens	Weight	Power Input <sup>1</sup>	Dimming	Reliability	Ambient Operating Temperature	Certifications
10,000	24 lb (10.9 kg)	120/277 V; 347/480 V	0-10 V	L70 predicted to exceed 130,000 hours at 77° F (25° C)	-40° to 131° F (-40° to 55° C)	Certified by TÜV SÜD to UL 1598 and CSA C22.2 No. 250.0
14,000	24 lb (10.9 kg)					
20,000	25 lb (11.34 kg)			L70 predicted to exceed 150,000 hours at 77° F (25° C)		Certified by TÜV SÜD to UL 1598 and CSA C22.2 No. 250.0; DLC-listed
26,000	31 lb (14.06 kg)					
40,000	54 lb (24.5 kg)					
52,000	63 lb (29.9 kg)					

<sup>1</sup> Additional transformer required for 347/480 V; consult Big Ass Light for details.



# Occupancy Sensor

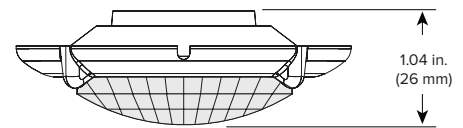
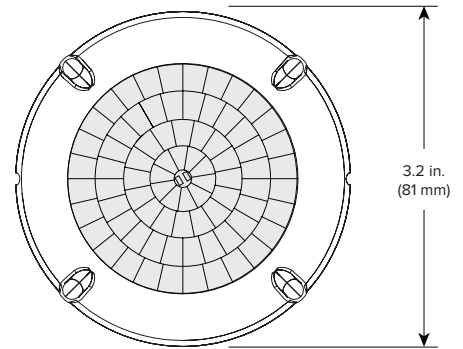
## TECHNICAL SPECIFICATIONS



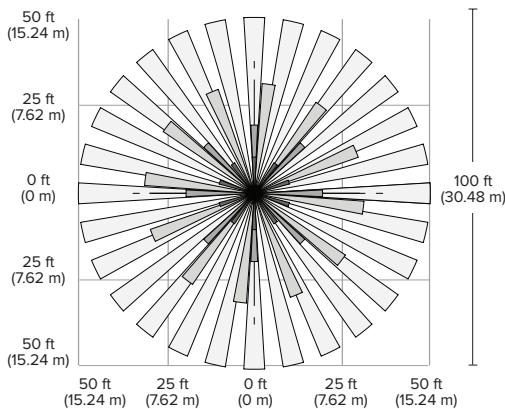
The occupancy sensor is a low-profile device that integrates with the LED fixture. The sensor's lens offers 360 degrees of monitoring to automatically turn the light on when people are present and down and off when a space is vacant. A timed delay for turning the light down and off once a space is empty can be adjusted from 30 seconds to 1 hour. The sensor can also be adjusted to turn off during daylight hours, saving energy by taking advantage of natural light. Sensor is programmed using a hand-held remote, which allows for program adjustments to be made from the floor level.

### Features and benefits

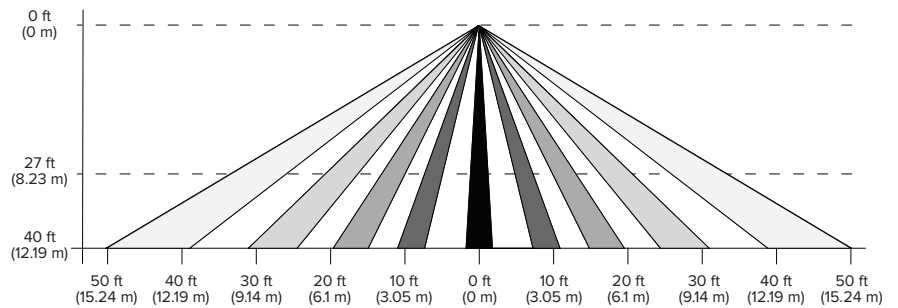
- Low-profile device fully integrated with Big Ass Light fixture
- Adjustable timed delay for turning fixture off ranging from 30 seconds to 1 hour
- Lens provides 360 degrees of monitoring coverage
- Lighting level feature allows for lights to remain off during daylight hours



Top View Coverage



Side View Coverage



Accessory:

# Emergency Battery

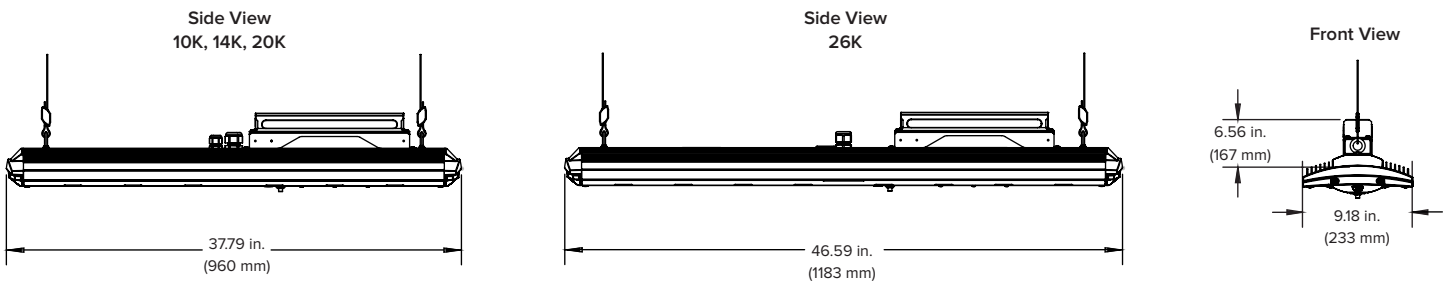
## TECHNICAL SPECIFICATIONS

Power failures are always inconvenient, but they can become hazardous in buildings with little or no natural light. The Big Ass Emergency Battery Back-up eliminates the danger posed by power outages. The Battery Back-up provides enough light for a facility's occupants to navigate to safety. It also keeps safety and firefighting equipment visible in the event of a power outage or shutdown, making it a huge help to first responders.

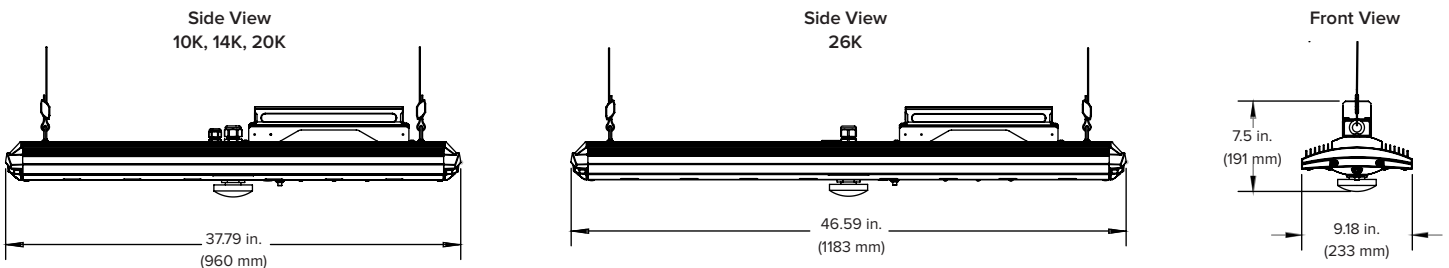
### Features and benefits

- Low-profile device mounts directly on LED
- Fully integrated
- Automatically activates
- Provides immediate light in event of power outage
- Allow occupants to navigate the facility and exit safely
- Help first responders locate equipment easily

### Battery Backup Only



### Battery Backup and Occupancy Sensor

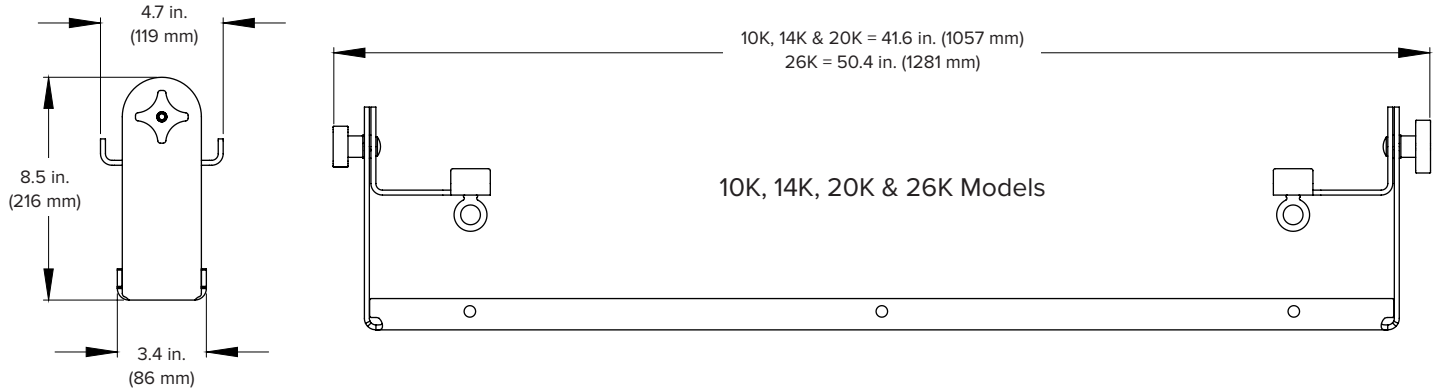


# Wall and Column Mounts

## TECHNICAL SPECIFICATIONS

### Wall Mount

Enjoy the brilliant, efficient illumination of Big Ass Light in even more places with our wall mount. Made of laser cut, yellow powder-coated aluminum, this tough yet lightweight mount offers 360° rotation for flexible light distribution. The wall mount provide direct, focused light right where it's needed most, making it perfect for auto shops, airplane hangars, wood shops and more.



### Column Mount Adapter

This mount is so versatile, it doesn't even require a wall. By adding the column adapter to the wall mount, you can attach Big Ass Light fixtures to steel I-beams 8 to 12 inches wide. Just like the wall mount, the column mount adapter is made from laser cut aluminum and powder-coated yellow for durability, corrosion resistance and eye-catching style.

