TECHLIGHT
GROUNDED IN ILLUMINATION

LPHB4 SERIES

4’ Low Profile LED High Bay

Catalog Number	
Project	Type

SERIES	HOUSING HEIGHT	LENGTH & WIDTH
LPHB4	1.65”	47.6” x 15.75”

FEATURES & SPECIFICATIONS

APPLICATION — The high lumen output luminaire is designed to be a replacement for HID and fluorescent high bays. It is optimal for lighting applications where long life, low maintenance, and consistent color rendering is required. Areas with limited accessibility due to fixture location or where heavy pedestrian or vehicle traffic makes maintenance difficult are ideal applications. The high wattage/lumen output allows the fixture to be used for warehouse, manufacturing and big box retail applications.

CONSTRUCTION — The LPHB Series body and housing assembly are ruggedly constructed from 22ga cold rolled steel sheet. Fixture is assembled with special thread forming sheet metal screws to prevent loosening from vibration. All hardware is zinc plated steel. Rigid stiffening brackets prevent twisting and bowing. Engineered for exceptional thermal performance using lightweight aluminum thermal LED heat sinks. Open structure design allows for natural convective cooling. Wireguard attachment points provided.

FINISH — LPHB Series body and driver housing are powder coated with lighting white high reflectance (93%) polyester paint.

OPTICAL SYSTEM — High efficiency linear LED modules with acrylic diffusers provide a medium-wide light distribution with exceptional vertical and horizontal performance. Optics provide 93% transmittance of light.

ELECTRICAL SYSTEM — Class 2 long life LEDs and high efficiency drivers work together to provide superior performance in a safe and efficient package. LPHB4 provides a wide range of output options, from 25,000 to 70,000 lumens. L95 at 10K hours L70 ≥ 50K hours. LEDs available in 5000K with a CRI >80. 0-10V dimming leads factory pre-connected at wire access plate. Electronic drivers are available in 100~277V or 347V-480V configurations. Power factor >0.9. 0-10V dimming standard (dimming leads pulled through upon request). Modular wiring drop cord may be factory installed (contact your sales representative for details).

MOUNTING — Suitable for suspension mounting via 10’ Aircraft Cable w/12” Arms w/Snap-in Clips (Set of 2 included), S Hooks w/10’ Jack Chain Set or Tong Hanger, End Mount.

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:
LPHB 4 C 60L FL 1 WOCLEV

LPHB						
SERIES	SIZE	COLOR TEMP	NOMINAL LUMEN	LENS	VOLTAGE	OPTIONS
	4 = 47.6”L x 15.75”W”	**C** = Cool White (5000K)	**25L** = 25,000 Lumens **30L** = 30,000 Lumens **35L** = 35,000 Lumens **40L** = 40,000 Lumens **45L** = 45,000 Lumens **50L** = 50,000 Lumens **55L** = 55,000 Lumens **60L** = 60,000 Lumens **65L** = 65,000 Lumens **70L** = 70,000 Lumens	**FL** = Frosted Polycarbonate Lens	**1** = 100-277V **2** = 347-480V	**HOEB** = LED Battery Pack, 90 min **AC63** = 6’ x 3X 18AWG, 3/8”dia., Armored Conduit Flex Cable **AC64**[1] = 6’ x 4X 18AWG, 3/8”dia., Armored Conduit Flex Cable **AC65**[2] = 6’ x 5X 18AWG, 3/8”dia., Armored Conduit Flex Cable **AC103** = 10’, 3/8” Armored Flex Conduit w/12’ BLK/WHT/GRN Wire **WOCLEV**[2] = Fixture Mount PIR Occupancy Sensor **WOCBT**[3] = Bluetooth Mesh Wireless Smart Control

ACCESSORIES (Order as separate line items)

10JC (3) S Hooks and 10’ Jack Chain Set
THE Tong Hanger, End Mount (Set of 2)
LPHBWG4 4’ Wire Guard

NOTES

[1] = Must be used with HOEB if AC is required.
[2] = Notify factory if remote 0-10V dimming is required. AC65 required when armored conduit option is ordered and remote 0-10V dimming will be used.
[3] = Input voltage 100-277V
[4] = Input voltage 347-480V

FIXTURE & MOUNTING ACCESSORIES

HOEB
LED Battery Pack, 90 min

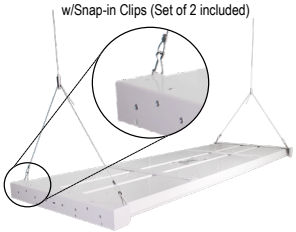
C1, C2 and C3
6’ Cord Sets with NEMA Style Twist-lock Plug

THE
Tong Hanger, End Mount (Set of 2)

AC63
6’, 3/8” dia., Armored Flex Cable

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

G10C
10’ Aircraft Cable w/12” Arms w/Snap-in Clips (Set of 2 included)



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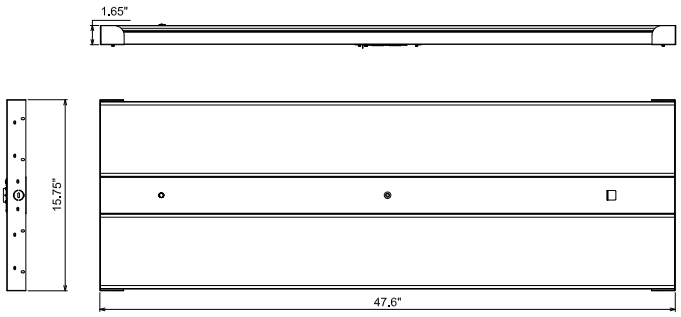
LPHB4 4’ Low Profile LED High Bay

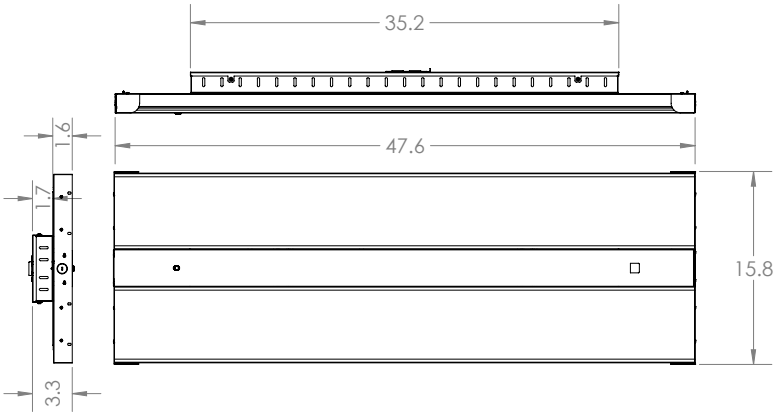
FIXTURE DIMENSIONS

Dimensions shown are for fixture bodies only. Additional options or accessories may add to the overall measurements shown.

100-277V model



HOEB or 480V model



LUMINAIRE CHARACTERISTICS

ANSI 5000K CCT Performance Data (L70 >50K @ 25ºC)

Lumen I.D.	Nominal Lumens	Delivered Lumens	System Wattage	LPW	mA	Amperage Draw					
						120V	208V	240V	277V	347V	480V
25L	25,000	25,328	135W	188	700	1.1	0.6	0.6	0.5	0.4	0.3
30L	30,000	29,640	160W	185	825	1.3	0.8	0.7	0.6	0.5	0.3
35L	35,000	34,770	190W	183	975	1.6	0.9	0.8	0.7	0.5	0.4
40L	40,000	39,853	220W	181	1125	1.8	1.1	0.9	0.8	0.6	0.5
45L	45,000	44,888	251W	179	1275	2.1	1.2	1.0	0.9	0.7	0.5
50L	50,000	49,876	281W	178	1425	2.3	1.4	1.2	1.0	0.8	0.6
55L	55,000	54,815	312W	176	1575	2.6	1.5	1.3	1.1	0.9	0.7
60L	60,000	59,707	344W	174	1725	2.9	1.7	1.4	1.2	1.0	0.7
65L	65,000	65,354	381W	172	1900	3.2	1.8	1.6	1.4	1.1	0.8
70L	70,000	68,552	402W	171	2000	3.4	1.9	1.7	1.5	1.2	0.8

PHOTOMETRICS

POLAR GRAPH

IES INDOOR REPORT
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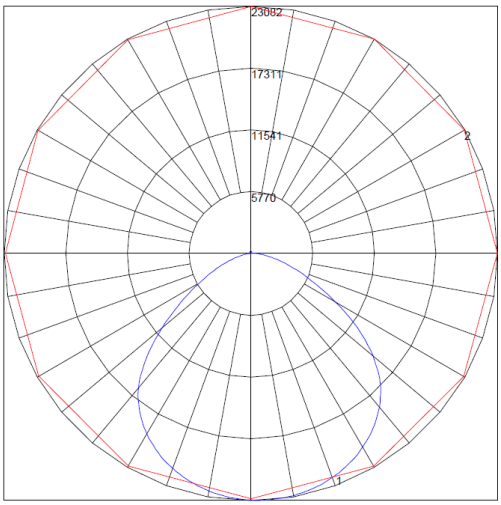


Maximum Candela = 23081.95 Located At Horizontal Angle = 60, Vertical Angle = 4
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (4) (Through Max. Cd.)

CHARACTERISTICS

Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	412.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.35
Spacing Criterion (Diagonal)	1.40

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-20	8500.33	14.00
0-30	18219.38	30.00
0-40	30094.44	49.60
0-60	51291.79	84.60
0-80	59333.12	97.80
0-90	60036.12	99.00
10-90	57850.89	95.40
20-40	21594.1	35.60
20-50	33550.82	55.30
40-70	26677.4	44.00
60-80	8041.34	13.30
70-80	2561.3	4.20
80-90	702.98	1.20
90-110	127.60	0.20
90-120	208.41	0.30
90-130	299.85	0.50
90-150	482.34	0.80
90-180	625.05	1.00
110-180	497.45	0.80
0-180	60661.17	100.00

All dimensions and specifications are subject to change without notice.

LPHB4 4’ Low Profile LED High Bay

FIXTURE MOUNT SENSOR

DIMMING OCCUPANCY SENSORS

WOCLEV PIR

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

WOCBT PIR

Bluetooth Mesh Wireless Smart Control, Input voltage 120-277V.

ANDROID & IOS APP AVAILABLE FOR BLUETOOTH CONTROLLER

Android IOS

FEATURES & SPECIFICATIONS

APPLICATION — The WOCBT and WOCLEV PIR Fixture Mount High Bay/Low Bay Dimming Occupancy Sensor with Integrated Photocell and Two Interchangeable Lenses provides 1-10V control. They both are easy to program and set for desired 1-100% continuous dimming levels during dayl ighting. Included with the sensor are lenses for high-bay and low-bay applications, allowing one unit to cover a variety of high ceiling ares such as warehouses, manufacturing and other high ceiling applications. The sensors provide reliable coverage up to 40 ft. mounting heights. They also are available in a model for cold storage applications with temperatures as low as -40° F.

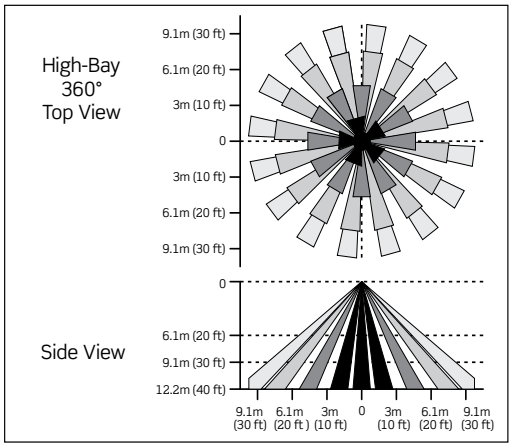
MOUNTING — The sensors install directly to LED fixture through a standard 1/2” knockout using the provided locknut. Wiring is factory connected inside the fixture body.

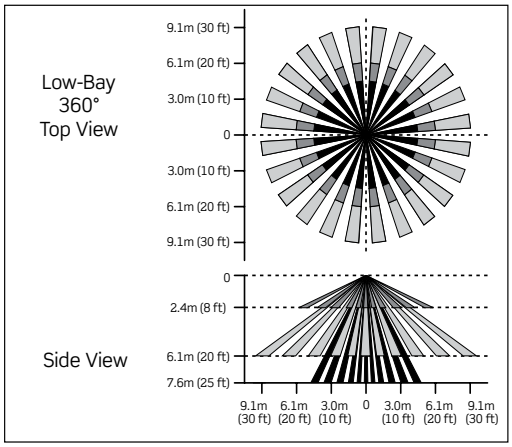
FEATURES —

- 1-100% continuous dimming control
- Specifically designed for LED fixture control
- Patented AutoCal™ for set-it and forget-it photocell calibration
- Suitable for use in standard and cold storage applications
- Visual RGB LED indicators for device states and easy troubleshooting
- Alternating relay software for increased lamp life
- Interchangeable 360° high bay and low bay lenses included
- Adjustable time delay (no power required)
- Pre-stripped color-coded wire leads
- Quicksnap feature for easy installation
- H.I.S. (High Inrush Stability) Technology
- Zero crossing circuitry
- Robust mechanical latching relay
- Relay always returns to close after power loss event
- UL listed for electronic driver loads 120/277V

SENSOR LENSES FIELD OF VIEW

Offset Adaptor Accessory





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

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