

DESCRIPTION

The HBLED is an outstanding value for a wide variety of applications and mounting heights. Precision designed optics, multiple distributions, lumen outputs and color temperatures make the HBLED ideal for industrial, commercial, manufacturing, gymnasium and other applications that utilize traditional HID and linear fluorescent high bays. The proprietary low-power, low-brightness LED module assembly offers exceptional optical performance with the enhanced benefits of LED lighting, including energy savings, extended system life, a reduced carbon footprint.

SPECIFICATION FEATURES

Construction

Full body construction is achieved with channel and end plates, along w/stiffening brackets and side rails to help create a strong, clean finished frame for this luminaire. Side rails are standard on all HBLED products.

Electrical

Long-life LED system coupled with electrical driver to deliver optimal performance. LED's available in 4000k and 5000k with a CRI ≥ 80. cULus listed. Electronic drivers are available for 120-277V, 347V and 480V applications. An optional 0-10V dimming driver is available.

Emergency Battery Pack Option

Optional 120V-277V integral emergency battery pack is available in 7-watts or 14-watts to meet critical life-safety lighting requirements. The 90-minute batteries provide constant power to the LED system, ensuring code-compliance. A test switch/indicator button can be tested safely from the ground using a laser pointer, while the patented EZ Key prevents accidental discharge of the battery during construction. See ordering information for details.

Finish

White enamel finish preceded by a multistage cleaning cycle, iron phosphate coating with rust inhibitor to protect against contaminants and oxidation.

Optics

Precision designed optics deliver even illumination. General and aisle distribution ensures superior performance to key areas within an application.

Shielding

Door frame and lens assembly is optional for more demanding environments.

Options

Integral Occupancy Sensor available and provides from 600 sq. ft. up to 1250 sq. ft. of coverage in a maximum mounting height of 40' using interchangeable lens caps provided. Optional integral sensor system provides occupancy and daylight harvesting.

Catalog #		Type
Project		
Comments		Date
Prepared by		

Mounting

The HBLED series is ideally suited for suspension mounting with optional wire hook and chain set, or cable mounting. Single monopoint mounting is also available with SPM tong hanger.

Compliance

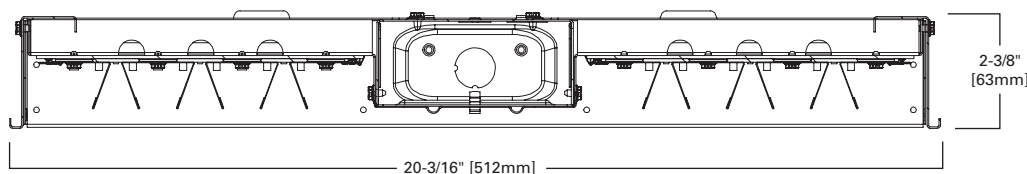
Luminaires are cULus listed for damp locations -20°C - 55°C ambient environments in open configurations with fixed output (ED option) drivers and 40°C with dimming drivers. Refer to ambient chart for complete list. RoHS compliant, and LED modules comply with IESNA LM-79 and LM-80 standards. DesignLights Consortium™ Qualified and classified for DLC Standard (some models are not DLC qualified), refer to www.designlights.org for details.



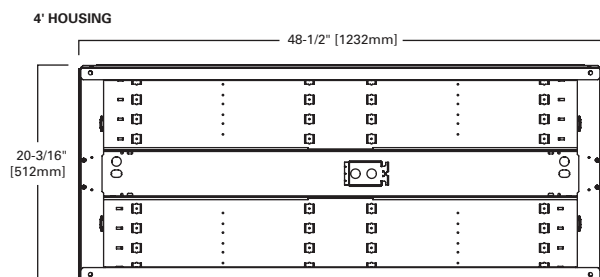
HB LED

20" X 48"

LED High Bay Efficiency Luminaire



DIMENSION TOP VIEW



ENERGY DATA

Input Watts:
 12 (12,000 lumens)=104W
 18 (18,000 lumens)=152W
 24 (24,000 lumens)=203W
 30 (30,000 lumens)=228W
 36 (36,000 lumens)=307W
 48 (48,000 lumens)=401W

LINEAR DISCONNECT

Safe and convenient means of disconnecting power



LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
55°C	> 84%	> 142,000

ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

Catalog Number	Delivered Lumens	Watts	Efficacy (lm/W)
HBLED-LD4-12-W-UNV-L850-ED1-U	12,505	104	120
HBLED-LD4-12-N-UNV-L850-ED1-U	12,156	104	117
HBLED-LD4-18-W-UNV-L850-ED2-U	19,358	152	127
HBLED-LD4-18-N-UNV-L850-ED2-U	18,818	152	124
HBLED-LD4-24-W-UNV-L850-ED2-U	24,002	203	118
HBLED-LD4-24-N-UNV-L850-ED2-U	23,332	203	115
HBLED-LD4-30-W-UNV-L850-ED3-U	29,302	228	129
HBLED-LD4-30-N-UNV-L850-ED3-U	28,483	228	125
HBLED-LD4-36-W-UNV-L850-ED3-U	35,944	307	117
HBLED-LD4-36-N-UNV-L850-ED3-U	34,941	307	114
HBLED-LD4-48-N-UNV-L850-ED4-U	46,312	401	115
HBLED-LD4-48-W-UNV-L850-ED4-U	48,108	402	120

AMBIENT RATINGS

Lumen Package	Ambient Rating	CD or 5LTD Driver	Lensed	EM Battery	HT Option
12,000	55°C	40°C	40°C	40°C	NA
18,000	55°C	40°C	40°C	40°C	NA
24,000	55°C	40°C	40°C	40°C	NA
30,000	55°C	40°C	40°C	40°C	NA
36,000	40°C	40°C	35°C*	35°C	NA
48,000	40°C	35°C	35°C*	35°C	50°C ⁽¹⁷⁾

*Lens inserts only

ORDERING INFORMATION

SAMPLE NUMBER: HBLED-LD4-18-W-UNV-L850-ED2-U Includes V Hangers for rapid installation

<p>Series ⁽¹⁴⁾ HBLED=LED High Bay Linear</p>		<p>Voltage ⁽¹¹⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt ^{(6), (10)} 480V=480 Volt ^{(6), (10), (18), (21)} UNV=Universal Voltage 120-277 UNC=Universal Voltage 347/480 ⁽⁶⁾</p>	<p>Driver Type CD=0-10V Dimming Driver ^{(7), (8)} ED=Electronic Fixed Output Driver ⁽⁷⁾ 5LTD=Fiht Light DALI ^{(7), (8), (13)}</p>	<p>Options MP=Modular Power Receptacle (used for all Cord or Cord and Plug options) ⁽⁵⁾ Motion Sensors MS=360° or 180° Motion Sensor Installed, (specify voltage) ⁽²⁾ SVPD3=Integrated occupancy and daylight dimming sensor, 1200 sq. ft. coverage ^{(16), (20)}</p>	<p>Packaging U=Unit Pack PALC=Job Pack In Carton</p>
<p>Lamp Type LD4=LED 4.0</p>		<p>Lamps Installed L835=3500K L840=4000K L850=5000K</p>	<p>Number of Drivers 1=1 Driver (12,000 lumen version) 2=2 Drivers (18,000 and 24,000 lumen version) 3=3 Drivers (30,000 and 36,000 lumen versions) 4=4 Drivers (48,000 lumen version)</p>		
<p>LED Lumen Output 12=12,000 Lumens 18=18,000 Lumens 24=24,000 Lumens 30=30,000 Lumens 36=36,000 Lumens 48=48,000 Lumens ⁽¹⁵⁾ 48HT=48,000 Lumens, 50° C Ambient ⁽¹⁷⁾</p>		<p>Options ⁽⁵⁾ Emergency EL7W=7-watt, 120V-277V emergency battery pack installed ⁽⁴⁾ EL14W=14-watt 120V-277V emergency battery pack installed ⁽⁴⁾ GTD2=Bodine Generator Transfer Device ⁽¹⁹⁾ ETS2=OTA Emergency Transfer Switch ⁽¹⁹⁾</p>		<p>Accessories (order separately) HBL-SPM=Single Monopoint Hanger w/Hub FH-1=Fixture Hook FL-1=Fixture Loop Y-TOGGLE=Y Mounting Toggle, #2 Cable (Specify 10' or 30") HBAYC-CHAIN/SET/U=(2) V-Hook Hangers, 36" Chain Sets w/S-Hooks MPC3=3' Modular Power Cord & Plug (Specify Voltage) MPC6=6' Modular Power Cord MPC6=6' Modular Power Cord & Plug (Specify Voltage) MMS=360° or 180° Aisle Motion Sensor with Modular Power Receptacle (120-277V) WG/HBL6-4FT-B=Field Installable, Wireguard for HBLED ⁽¹²⁾ ISHH-01=Programming Remote for Integrated Sensor ISHH-02=Personal Control Remote for Integrated Sensor</p>	
<p>Distribution N=Narrow (Aisle) W=Wide (General)</p>					
<p>Shielding [Blank]=None WG=Wireguard ⁽¹²⁾ A=Prismatic Acrylic Lens & Doorframe ^{(8), (9), (11)} CL=Clear Acrylic Lens & Doorframe ^{(8), (11)} A/WG=Acrylic Lens, Wireguard & Doorframe ^{(8), (9), (11)} CL/WG=Clear Lens, Wireguard & Doorframe ^{(8), (11)} AI=Prismatic Acrylic Lens Insert ^{(8), (9)} CLI=Clear Acrylic Lens Insert ⁽⁸⁾ FLI=Frosted Lens Insert ^{(8), (9)} POLY125/WG=Polycarbonate Lens, Wireguard and Doorframe ^{(8), (11)} POLY125=Polycarbonate Lens and Doorframe ^{(8), (11)}</p>					

NOTES: ⁽¹⁾ Voltage must be specified when ordered with plugs or emergency drivers. ⁽²⁾ When ordering MS option, specify as UNV (for 120 or 277V), 347 or 480V. ⁽³⁾ Requires use of MC or MPC cord accessories, specify voltage for plugs (MP). ⁽⁴⁾ With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. ⁽⁵⁾ EM options available in 0°C - 40°C ambient. ⁽⁶⁾ Not available with dual switching. ⁽⁷⁾ Lumen output will vary depending on dimming or fixed output drivers. Refer to IES files for delivered lumens. ⁽⁸⁾ Rated for 40°C ambient. ⁽⁹⁾ Not available with narrow distribution. ⁽¹⁰⁾ EM options not available with 30,000, 36,000 or 48,000 lumen configuration at 347V or 480V. ⁽¹¹⁾ Not available with 36,000 or 48,000 lumen configuration. ⁽¹²⁾ Not available with lens insert options AI, CLI and FLI or doorframe options A and CL. ⁽¹³⁾ 5LTD available with 12,000, 18,000 and 30,000 lumen packages only. ⁽¹⁴⁾ DesignLights Consortium™ Qualified and classified for DLC Standard (some models are not DLC qualified), refer to www.designlights.org for details. ⁽¹⁵⁾ 40°C max. ambient rating. ⁽¹⁶⁾ Integrated sensor limited to 36,000 lumens. ⁽¹⁷⁾ HT lumen package not available with 347 or 480V, emergency, dimming, or lensed options. ⁽¹⁸⁾ 480V not for use with impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). ⁽¹⁹⁾ Used to transfer fixture to secondary power source for life-safety operation. When used with a dimming fixture, two devices are required to ensure control is disabled while operating under emergency power. ⁽²⁰⁾ Integrated sensor not compatible with door frame. ⁽²¹⁾ Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).

Specifications & dimensions subject to change without notice. Consult your Eaton Representative for availability and ordering information.

SHIPPING DATA

Catalog No.	Wt.
HBLED-LD4-12	19 lbs.
HBLED-LD4-18	22 lbs.
HBLED-LD4-24	22 lbs.
HBLED-LD4-30	24 lbs.
HBLED-LD4-36	24 lbs.

INTEGRATED SENSOR

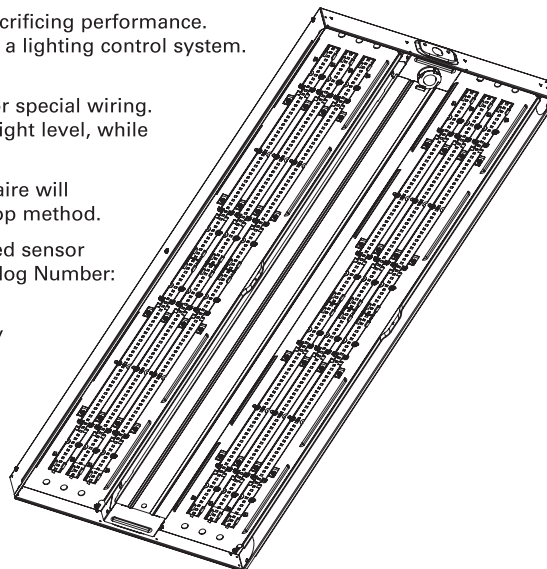
The HBLED with Integrated Sensor technology provides automatic energy savings without sacrificing performance. Traditionally, these types of energy savings required coordination between the luminaire and a lighting control system. The HBLED delivers superior lighting with integrated occupancy and daylighting controls.

Capture the benefits of traditional lighting controls, without complicated coverage planning or special wiring. Ideal for new construction or retrofit, the HBLED delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

The integral daylight sensor reduces the need for special daylight zone planning. Each luminaire will automatically adjust the light level based on reflected light beneath the sensor in a closed loop method.

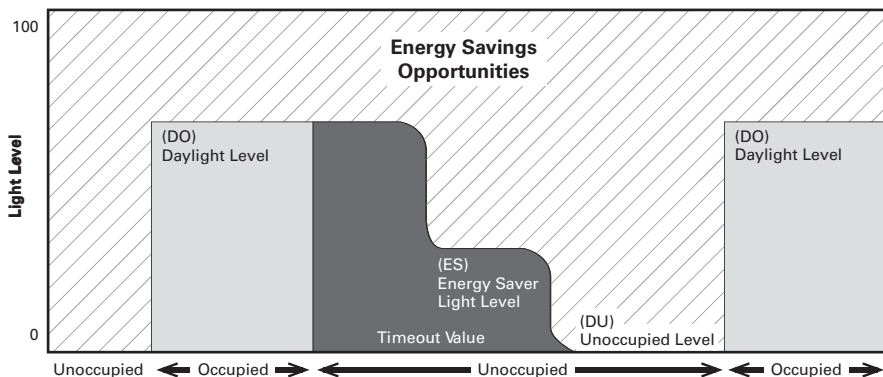
Occupied daylight light levels and unoccupied light levels can be adjusted using the integrated sensor programming remote (Catalog Number: ISHH-01). The integrated sensor personal remote (Catalog Number: ISHH-02) provides code compliant manual raise, lower, ON, OFF control.

The HBLED with Integrated Sensor is easy to install with no special wiring and ensures energy savings out-of-the-box with default control settings.



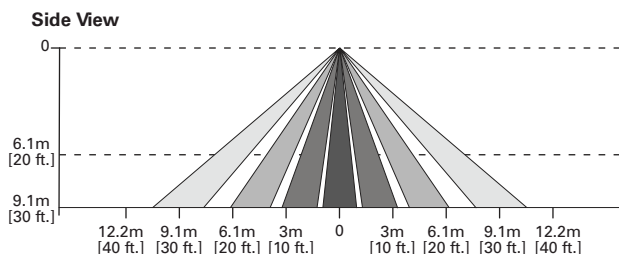
How it works:

- As the user enters the space controlled by the integral sensor, the lighting turns ON to the default daylight level.
- Lighting will remain at that the daylight level until the space is unoccupied. This will start the occupancy timeout period (default 20 minutes).
- If the space remains unoccupied for half of the timeout period, the lighting will automatically reduce to the Energy Saver light level. This adjustable light level is typically half of the occupied daylight level.
- At the end of the timeout period the lighting will go to the unoccupied light level. This adjustable light level uses the OFF default setting.



Default daylight harvesting set using 36,000 lumen unit at 30 ft. mounting height, 20 ft. spacing for 50 footcandles.

SVPD3 Coverage Pattern



Optional Remote Controls



ISHH-01 Remote



ISHH-02 Remote

DESCRIPTION

The HBLED is an outstanding value for a wide variety of applications and mounting heights. Precision designed optics, multiple distributions, lumen outputs and color temperatures make the HBLED ideal for industrial, commercial, manufacturing, gymnasium and other applications that utilize traditional HID and linear fluorescent high bays. The proprietary low-power, low-brightness LED module assembly offers exceptional optical performance with the enhanced benefits of LED lighting, including energy savings, extended system life, a reduced carbon footprint.

SPECIFICATION FEATURES

Construction

Full body construction is achieved with channel and end plates, along w/stiffening brackets and side rails to help create a strong, clean finished frame for this luminaire. Side rails are standard on all HBLED products.

Electrical

Long-life LED system coupled with electrical driver to deliver optimal performance. LED's available in 4000k and 5000k with a CRI ≥ 80. cULus listed. Electronic drivers are available for 120-277V, 347V and 480V applications. An optional 0-10V dimming driver is available.

Emergency Battery Pack Option

Optional 120V-277V integral emergency battery pack is available in 7-watts or 14-watts to meet critical life-safety lighting requirements. The 90-minute batteries provide constant power to the LED system, ensuring code-compliance. A test switch/indicator button can be tested safely from the ground using a laser pointer, while the patented EZ Key prevents accidental discharge of the battery during construction. See ordering information for details.

Finish

White enamel finish preceded by a multistage cleaning cycle, iron phosphate coating with rust inhibitor to protect against contaminants and oxidation.

Optics

Precision designed optics deliver even illumination. General and aisle distribution ensures superior performance to key areas within an application.

Shielding

Door frame and lens assembly is optional for more demanding environments.

Options

Integral Occupancy Sensor available and provides from 600 sq. ft. up to 1250 sq. ft. of coverage in a maximum mounting height of 40' using interchangeable lens caps provided. Optional integral sensor system provides occupancy and daylight harvesting.

Catalog #		Type
Project		
Comments		Date
Prepared by		

Mounting

The HBLED series is ideally suited for suspension mounting with optional wire hook and chain set, or cable mounting. Single monopoint mounting is also available with SPM tong hanger.

Compliance

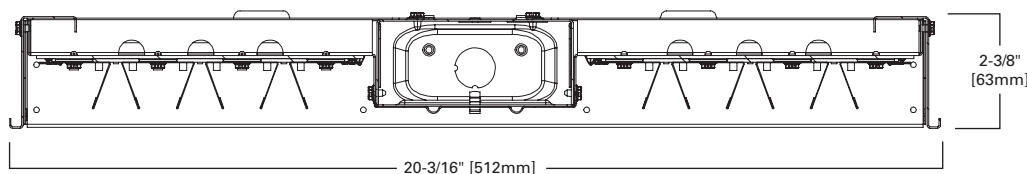
Luminaires are cULus listed for damp locations -20°C - 55°C ambient environments in open configurations with fixed output (ED option) drivers and 40°C with dimming drivers. Refer to ambient chart for complete list. RoHS compliant, and LED modules comply with IESNA LM-79 and LM-80 standards. DesignLights Consortium™ Qualified and classified for DLC Standard (some models are not DLC qualified), refer to www.designlights.org for details.



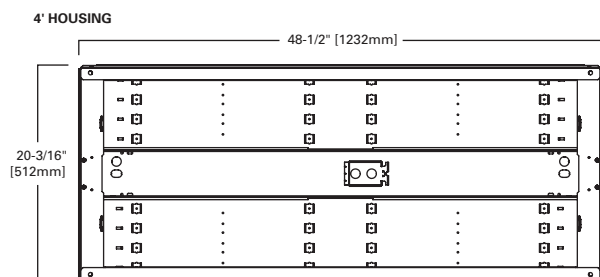
HB LED

20" X 48"

LED High Bay Efficiency Luminaire



DIMENSION TOP VIEW



ENERGY DATA

Input Watts:
 12 (12,000 lumens)=104W
 18 (18,000 lumens)=152W
 24 (24,000 lumens)=203W
 30 (30,000 lumens)=228W
 36 (36,000 lumens)=307W
 48 (48,000 lumens)=401W

LINEAR DISCONNECT

Safe and convenient means of disconnecting power



LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
55°C	> 84%	> 142,000

ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

Catalog Number	Delivered Lumens	Watts	Efficacy (lm/W)
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HBLED-LD4-12-N-UNV-L850-ED1-U	12,156	104	117
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HBLED-LD4-24-W-UNV-L850-ED2-U	24,002	203	118
HBLED-LD4-24-N-UNV-L850-ED2-U	23,332	203	115
HBLED-LD4-30-W-UNV-L850-ED3-U	29,302	228	129
HBLED-LD4-30-N-UNV-L850-ED3-U	28,483	228	125
HBLED-LD4-36-W-UNV-L850-ED3-U	35,944	307	117
HBLED-LD4-36-N-UNV-L850-ED3-U	34,941	307	114
HBLED-LD4-48-N-UNV-L850-ED4-U	46,312	401	115
HBLED-LD4-48-W-UNV-L850-ED4-U	48,108	402	120

AMBIENT RATINGS

Lumen Package	Ambient Rating	CD or 5LTD Driver	Lensed	EM Battery	HT Option
12,000	55°C	40°C	40°C	40°C	NA
18,000	55°C	40°C	40°C	40°C	NA
24,000	55°C	40°C	40°C	40°C	NA
30,000	55°C	40°C	40°C	40°C	NA
36,000	40°C	40°C	35°C*	35°C	NA
48,000	40°C	35°C	35°C*	35°C	50°C ⁽¹⁷⁾

*Lens inserts only

ORDERING INFORMATION

SAMPLE NUMBER: HBLED-LD4-18-W-UNV-L850-ED2-U Includes V Hangers for rapid installation

<p>Series ⁽¹⁴⁾ HBLED=LED High Bay Linear</p>		<p>Voltage ⁽¹¹⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt ^{(6), (10)} 480V=480 Volt ^{(6), (10), (18), (21)} UNV=Universal Voltage 120-277 UNC=Universal Voltage 347/480 ⁽⁶⁾</p>	<p>Driver Type CD=0-10V Dimming Driver ^{(7), (8)} ED=Electronic Fixed Output Driver ⁽⁷⁾ 5LTD=Fiht Light DALI ^{(7), (8), (13)}</p>	<p>Options MP=Modular Power Receptacle (used for all Cord or Cord and Plug options) ⁽⁵⁾ Motion Sensors MS=360° or 180° Motion Sensor Installed, (specify voltage) ⁽²⁾ SVPD3=Integrated occupancy and daylight dimming sensor, 1200 sq. ft. coverage ^{(16), (20)}</p>	<p>Packaging U=Unit Pack PALC=Job Pack In Carton</p>
<p>Lamp Type LD4=LED 4.0</p>		<p>Lamps Installed L835=3500K L840=4000K L850=5000K</p>	<p>Number of Drivers 1=1 Driver (12,000 lumen version) 2=2 Drivers (18,000 and 24,000 lumen version) 3=3 Drivers (30,000 and 36,000 lumen versions) 4=4 Drivers (48,000 lumen version)</p>		
<p>LED Lumen Output 12=12,000 Lumens 18=18,000 Lumens 24=24,000 Lumens 30=30,000 Lumens 36=36,000 Lumens 48=48,000 Lumens ⁽¹⁵⁾ 48HT=48,000 Lumens, 50° C Ambient ⁽¹⁷⁾</p>		<p>Options ⁽⁵⁾ Emergency EL7W=7-watt, 120V-277V emergency battery pack installed ⁽⁴⁾ EL14W=14-watt 120V-277V emergency battery pack installed ⁽⁴⁾ GTD2=Bodine Generator Transfer Device ⁽¹⁹⁾ ETS2=OTA Emergency Transfer Switch ⁽¹⁹⁾</p>		<p>Accessories (order separately) HBL-SPM=Single Monopoint Hanger w/Hub FH-1=Fixture Hook FL-1=Fixture Loop Y-TOGGLE=Y Mounting Toggle, #2 Cable (Specify 10' or 30") HBAYC-CHAIN/SET/U=(2) V-Hook Hangers, 36" Chain Sets w/S-Hooks MPC3=3' Modular Power Cord & Plug (Specify Voltage) MPC6=6' Modular Power Cord MPC6=6' Modular Power Cord & Plug (Specify Voltage) MMS=360° or 180° Aisle Motion Sensor with Modular Power Receptacle (120-277V) WG/HBL6-4FT-B=Field Installable, Wireguard for HBLED ⁽¹²⁾ ISHH-01=Programming Remote for Integrated Sensor ISHH-02=Personal Control Remote for Integrated Sensor</p>	
<p>Distribution N=Narrow (Aisle) W=Wide (General)</p>					
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NOTES: ⁽¹⁾ Voltage must be specified when ordered with plugs or emergency drivers. ⁽²⁾ When ordering MS option, specify as UNV (for 120 or 277V), 347 or 480V. ⁽³⁾ Requires use of MC or MPC cord accessories, specify voltage for plugs (MP). ⁽⁴⁾ With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. ⁽⁵⁾ EM options available in 0°C - 40°C ambient. ⁽⁶⁾ Not available with dual switching. ⁽⁷⁾ Lumen output will vary depending on dimming or fixed output drivers. Refer to IES files for delivered lumens. ⁽⁸⁾ Rated for 40°C ambient. ⁽⁹⁾ Not available with narrow distribution. ⁽¹⁰⁾ EM options not available with 30,000, 36,000 or 48,000 lumen configuration at 347V or 480V. ⁽¹¹⁾ Not available with 36,000 or 48,000 lumen configuration. ⁽¹²⁾ Not available with lens insert options AI, CLI and FLI or doorframe options A and CL. ⁽¹³⁾ 5LTD available with 12,000, 18,000 and 30,000 lumen packages only. ⁽¹⁴⁾ DesignLights Consortium™ Qualified and classified for DLC Standard (some models are not DLC qualified), refer to www.designlights.org for details. ⁽¹⁵⁾ 40°C max. ambient rating. ⁽¹⁶⁾ Integrated sensor limited to 36,000 lumens. ⁽¹⁷⁾ HT lumen package not available with 347 or 480V, emergency, dimming, or lensed options. ⁽¹⁸⁾ 480V not for use with impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). ⁽¹⁹⁾ Used to transfer fixture to secondary power source for life-safety operation. When used with a dimming fixture, two devices are required to ensure control is disabled while operating under emergency power. ⁽²⁰⁾ Integrated sensor not compatible with door frame. ⁽²¹⁾ Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).

Specifications & dimensions subject to change without notice. Consult your Eaton Representative for availability and ordering information.

SHIPPING DATA

Catalog No.	Wt.
HBLED-LD4-12	19 lbs.
HBLED-LD4-18	22 lbs.
HBLED-LD4-24	22 lbs.
HBLED-LD4-30	24 lbs.
HBLED-LD4-36	24 lbs.

INTEGRATED SENSOR

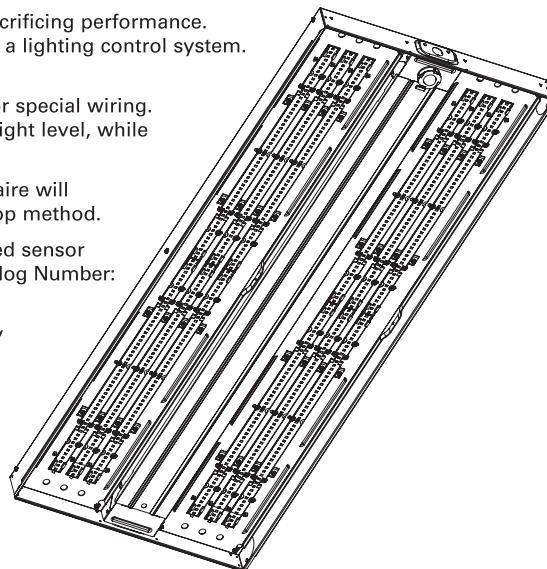
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Capture the benefits of traditional lighting controls, without complicated coverage planning or special wiring. Ideal for new construction or retrofit, the HBLED delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

The integral daylight sensor reduces the need for special daylight zone planning. Each luminaire will automatically adjust the light level based on reflected light beneath the sensor in a closed loop method.

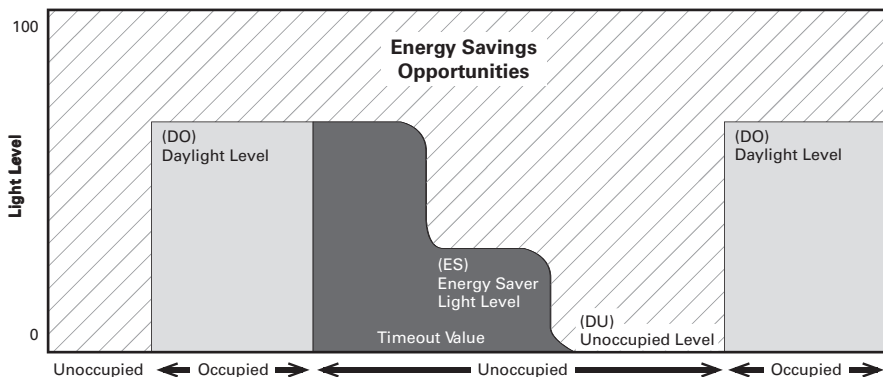
Occupied daylight light levels and unoccupied light levels can be adjusted using the integrated sensor programming remote (Catalog Number: ISHH-01). The integrated sensor personal remote (Catalog Number: ISHH-02) provides code compliant manual raise, lower, ON, OFF control.

The HBLED with Integrated Sensor is easy to install with no special wiring and ensures energy savings out-of-the-box with default control settings.



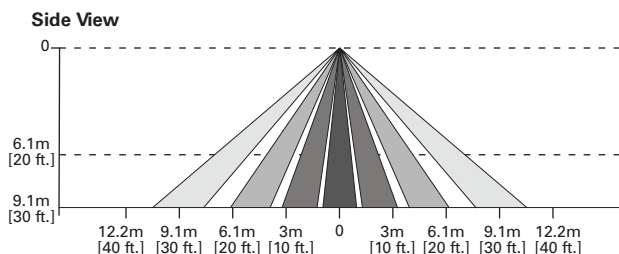
How it works:

- As the user enters the space controlled by the integral sensor, the lighting turns ON to the default daylight level.
- Lighting will remain at that the daylight level until the space is unoccupied. This will start the occupancy timeout period (default 20 minutes).
- If the space remains unoccupied for half of the timeout period, the lighting will automatically reduce to the Energy Saver light level. This adjustable light level is typically half of the occupied daylight level.
- At the end of the timeout period the lighting will go to the unoccupied light level. This adjustable light level uses the OFF default setting.



Default daylight harvesting set using 36,000 lumen unit at 30 ft. mounting height, 20 ft. spacing for 50 footcandles.

SVPD3 Coverage Pattern



Optional Remote Controls



ISHH-01 Remote



ISHH-02 Remote