

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal one-for-one replacement of conventional lighting systems such as HID and fluorescent. For use in light industrial applications such as, warehousing and other large indoor spaces with mounting heights ranging from 10' — permitted. **Certain airborne contaminants can diminish integrity of acrylic and LED's.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

CONSTRUCTION — Solid aluminum channel enables superior thermal performance at warm ambient temperatures.

Optional textured semi-diffuse, acrylic lens (ATC) provides glare control and LED protection.

ELECTRICAL — 70% lumen maintenance at >100,000 hours. Thermally protected driver standard with 0-10V dimming, 6kV/3kA surge protection is standard on MVOLT. 10kV/5kA surge protection is standard on HVOLT. Optional 10kV/5kA available on MVOLT. Surge protection is tested in accordance with IEEE/ANSI standards.

Luminaire surge protection level: Designed to with stand up to 6kV/3kA per ANSI C82.77-5-2015.

Luminaire surge protection level: Designed to with stand up to 10kV/5kA per ANSI C82.77-5-2015.

LSXR Sensor option provides increased energy savings.

INSTALLATION — Suitable for suspension by chain, cable, surface-mounting bracket, hook monopoint or single (pendant) monopoint. Surface mounting not recommended. 2" offset mounting can be accomplished with the optional THUN mounting bracket. To maintain ambient listing, fixture should be mounted at a minimum plenum height of 18".

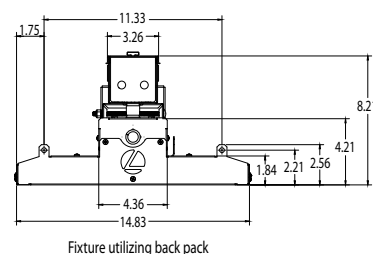
LISTINGS — UL listed. Damp location listed. Listed for use in ambient operating temperatures from -40°C to 45°C. Thermal management system allows for safe operation during times when temperatures rise to 55°C*.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

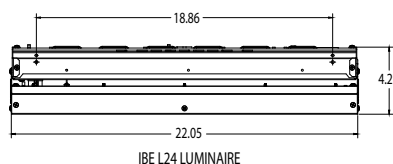
BUY AMERICAN — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

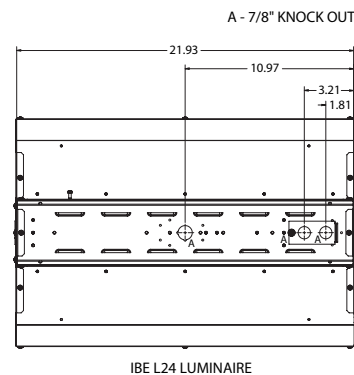
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



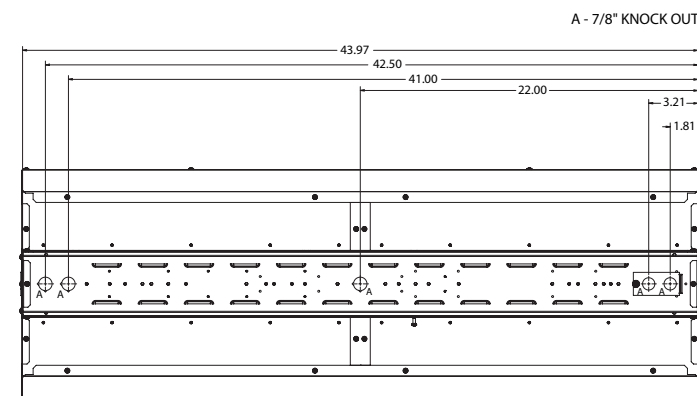
Fixture utilizing back pack



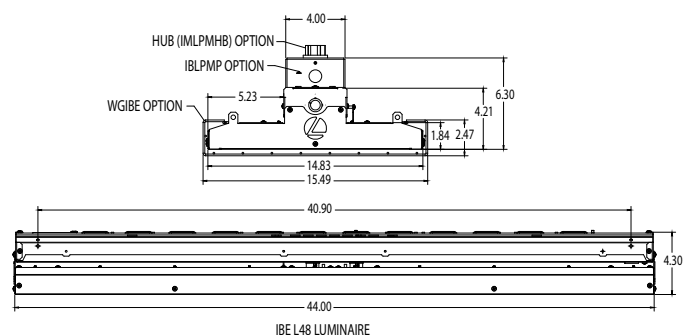
IBE L24 LUMINAIRE



IBE L24 LUMINAIRE



IBE L48 LUMINAIRE



IBE L48 LUMINAIRE

*Prolonged use at 55°C may impact long-term performance.

IBE LED High Bay



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative. **Example:** IBE L24 18000LM ATC MD MVOLT GZ10 40K 80CRI DWH

| IBE | | | | | | MD | | GZ10 | |
|-------------------|----------------|------------------------------------|--|--------------|------------------------------|--------------------|-------------------|------------|--|
| Series | Fixture length | Lumens | Lens | Distribution | Voltage | Driver | Color temperature | | |
| IBE LED bay light | L24 24" | 12000LM 12,000 lumens | ATC Acrylic Textured semi-diffuse lens, .040" thick | MD Medium | MVOLT 120-277V | GZ10 0-10V dimming | 40K 4000 K | | |
| | | 15000LM 15,000 lumens | | | HVOLT 347V-480V ³ | | | | |
| | | 18000LM 18,000 lumens ¹ | | | 120 120V | | | | |
| | | 22000LM 22,000 lumens ¹ | | | 208 208V | | | | |
| | L48 48" | 18000LM 18,000 lumens | L/LENS Less lens ² SD080 Semi-Diffuse acrylic, .080" thick | ND Narrow | 240 240V | | | 50K 5000 K | |
| | | 22000LM 22,000 lumens | | | 277 277V | | | | |
| | | 30000LM 30,000 lumens | | | 347 347V ⁴ | | | | |
| | | | | | 480 480V ⁴ | | | | |

| Color rendering index | Options | Finish |
|-----------------------|---|--|
| 80CRI 80 CRI | <p>E15WCP EM self-diagnostics battery pack, 5°C min., 15W, Certified in CA Title 20 MAEDBS^{5,7}</p> <p>BPK Fixture back pack</p> <p>OUTCTR Wiring leads pulled through back center of fixture (not available with back pack)</p> <p>SPD Surge protection device⁶</p> <p>OCS RELOC® OnePass® 5' installed⁷</p> <p>RRL RELOC®-ready luminaire. See page 5 for ordering information (must be ordered separately)</p> <p>IMP Integrated modular plug (not available with 347V or 480V)^{7,8}</p> <p>WGX Standard wire guard, installed</p> <p>BAA Buy America(n) Act Compliant</p> <p><u>Cord sets:</u></p> <p>CS1W 6' white cord with straight-blade plug, 120V^{9,10}</p> <p>CS3W 6' white cord with twist-lock plug, 120V^{9,10}</p> <p>CS7W 6' white cord with straight-blade plug, 277V^{9,10}</p> <p>CS11W 6' white cord with twist-lock plug, 277V^{9,10}</p> <p>CS25W 6' white cord with twist-lock plug, 347V^{9,10}</p> <p>CS97W 6' white cord with twist-lock plug, 480V^{9,10}</p> <p>CS93W 6' white cord, 600V SE00W, no plug (no voltage required)⁹</p> | <p>DWH Gloss white</p> <p><u>Motion sensors:</u>^{7,11}</p> <p>LCOZU Aisle motion sensor, pre-wired</p> <p>LCHOSZU Aisle motion sensor, pre-wired; programmable dimming</p> <p>LCPZU Aisle motion sensor with photo-cell; pre wired</p> <p>LAOZU 360° motion sensor, pre-wired</p> <p>LAHOSZU 360° motion sensor, pre-wired; programmable dimming</p> <p>LAPZU 360° motion sensor with photo-cell, pre-wired</p> <p>LAMOSZU 360 motion sensor, dimming and switching photocell, pre-wired (T24 compliant)</p> <p>LCMOSZU Aisle motion sensor, dimming and switching photocell, pre-wired (T24 compliant)</p> |

| Accessories: Order as separate catalog number. | | |
|--|---|---|
| <p><u>Mounting:</u></p> <p>IBAC120 M100 Aircraft cable 10' with hook (one pair)</p> <p>IBAC240 M75 Aircraft cable 20' with hook (one pair)</p> <p>IBHMP Hook monopoint</p> <p>ZACVH Aircraft 10' V hanger (one pair)</p> <p>IBLPMP Pendant monopoint splice box, includes side covers (not available with fixtures utilizing back pack when ordered with 347, 480 & HVOLT)¹²</p> <p>IBLPMPHB Pendant monopoint splice box with 3/4" hub, includes side covers (not available with fixtures utilizing back pack when ordered with 347, 480 & HVOLT)¹²</p> <p>HC36 Hanger chain, 36" (one pair)</p> <p>THUN Tong hanger bracket (order 2 per fixture)¹³</p> | <p><u>Wire guards:</u></p> <p>WGIBE Wire guard for use with L24 fixtures</p> <p>WGIBE4 Wire guard for use with L48 fixtures</p> | <p><u>Cord sets for IMP option:</u>^{9,14}</p> <p>CS1WIMP Straight plug, 120V</p> <p>CS3WIMP Twist-lock, 120V</p> <p>CS7WIMP Straight plug, 277V</p> <p>CS11WIMP Twist-lock, 277V</p> <p>CS93WIMP 600V SO white cord, no plug (no voltage required)</p> |

Notes

- Not available with OUTCTR option.
- Visible pixilation is present when choosing L/LENS option. Not recommended for applications where direct viewing of high intensity LED's will be unacceptable.
- Ships standard with surge protection.
- Utilizes fixture backpack. 30000LM only for use in ambient temperatures up to 35°C. Not available with IMP option or cord with plug options.
- Utilizes **PS155SCP**. Not available with 347 or 480. Requires BPK option.
- Ships standard on HVOLT, 347, 480V, and E15WCP and all Motion sensors. Should not be added to the description.
- Must specify voltage.
- Must be factory installed. Must have "IMP" power cord to power fixture. Cordsets may be ordered with fixture or as accessory. Not available with E15WCP option. Fixture and cord set ship separately. Example:
Ordered as:
IBE L48 18000LM ATC MD 120 GZ10 40K 80CRI CS1WIMP DWH
Ships as:
IBE L48 18000LM ATC MD MVOLT GZ10 40K 80CRI IMP DWH CS1WIMP
- All cord sets are 18/3, 6', white. Additional lengths available 10', 15' and 20'. (ex. CS1WL10)
- Cord sets are voltage specific. Specify voltage. Other configurations available. Consult factory. Battery not available on cord sets with plugs.
- Other configurations available, see page four for additional options.
- Additional support cables required when used with L48.
- For use in applications with ambient temperatures up to 35°C for 12000LM - 22000LM fixtures, 30°C for 30000LM fixtures. Not for use on fixtures with E15WCP.
- Fixtures must have IMP option.

IBE LED High Bay

IBH/IBE CONVERSION

| IBH Existing | | | IBE Contract Select Offering | | | Need IBE 18L and 24L in a 2X4 to match existing IBH form factor? | |
|--|------|--------------|------------------------------|------|--------------|--|------|
| IBH Nomenclature | Size | UPC | IBE Nomenclature | Size | UPC | IBE Nomenclature | Size |
| IBH 12L MVOLT | 2X2 | 889804709100 | IBE 12LM MVOLT 40K | 2X2 | 191848491010 | | |
| IBH 12000LM SD080 MD MVOLT OZ10 50K 80CRI WH | 2x2 | 889804681499 | IBE 12LM MVOLT 50K | 2x2 | 191848491096 | | |
| IBH 15000LM SD080 MD MVOLT OZ10 40K 80CRI WH | 2x2 | 889804708370 | IBE 15LM MVOLT 40K | 2x2 | 191848194133 | | |
| IBH 15000LM SD080 MD MVOLT OZ10 50K 80CRI WH | 2x2 | 889804708370 | IBE 15LM MVOLT 50K | 2x2 | 191848491058 | | |
| IBH 18L MVOLT | 2X4 | 889804710472 | IBE 18LM MVOLT 40K | 2X2 | 191848491027 | IBE L48 18000LM SD080 MD MVOLT GZ10 40K 80CRI DWH | 2X4 |
| IBH 18000LM SD080 MD MVOLT OZ10 50K 80CRI WH | 2X4 | 889804711738 | IBE 18LM MVOLT 50K | 2x2 | 191848491072 | IBE L48 18000LM SD080 MD MVOLT GZ10 50K 80CRI DWH | 2X4 |
| IBH 24L MVOLT | 2X4 | 889804710335 | IBE 22LM MVOLT 40K | 2x2 | 191848491195 | IBE L48 22000LM SD080 MD MVOLT GZ10 40K 80CRI DWH | 2X4 |
| IBH 24000LM SD080 MD MVOLT OZ10 50K 80CRI WH | 2X4 | 889804712032 | IBE 22LM MVOLT 50K | 2x2 | 191848491133 | IBE L48 22000LM SD080 MD MVOLT GZ10 50K 80CRI DWH | 2X4 |

PHOTOMETRICS

See www.lithonia.com.

OPERATIONAL DATA

| Fixture Length | Lumen Package | Lens Option | 40K, 80CRI | 50K, 80CRI |
|----------------|---------------|-------------|------------|------------|
| L24 | 12000LM | ATC | 11,306 | 11,652 |
| | | SD080 | 11,377 | 11,726 |
| | | L/LENS | 12,267 | 12,643 |
| | 15000LM | ATC | 13,967 | 14,395 |
| | | SD080 | 14,055 | 14,486 |
| | | L/LENS | 15,155 | 15,619 |
| | 18000LM | ATC | 17,762 | 18,306 |
| | | SD080 | 17,874 | 18,422 |
| | | L/LENS | 19,272 | 19,863 |
| | 22000LM | ATC | 21,067 | 21,712 |
| | | SD080 | 21,200 | 21,850 |
| | | L/LENS | 22,859 | 23,559 |
| L48 | 18000LM | ATC | 18,052 | 18,605 |
| | | SD080 | 18,166 | 18,723 |
| | | L/LENS | 19,587 | 20,188 |
| | 22000LM | ATC | 22,564 | 23,256 |
| | | SD080 | 22,707 | 23,403 |
| | | L/LENS | 24,486 | 25,234 |
| | 30000LM | ATC | 27,845 | 28,698 |
| | | SD080 | 28,021 | 28,880 |
| | | L/LENS | 30,213 | 31,139 |

LUMENS VS. AMBIENT TEMPERATURE

| Ambient °C | Ambient °F | Lumen multiplier |
|------------|------------|------------------|
| 0 | 32 | 1.035 |
| 10 | 50 | 1.021 |
| 25 | 77 | 1.000 |
| 30 | 86 | 0.993 |
| 35 | 95 | 0.986 |
| 40 | 104 | 0.978 |
| 45 | 113 | 0.971 |

CHARACTERISTICS

| Length | Lumen package | Wattage | | | | Dimensions - Inches (centimeters) | | | Weight with ATC Lens in Carton | Comparable light source |
|--------|---------------|---------|------|------|------|-----------------------------------|---------------|--------------|--------------------------------|-------------------------------------|
| | | 120V | 277V | 347V | 480V | Length | Width | Depth | | |
| L24 | 12000LM | 83 | 82 | 81 | 81 | 22 (55.9) | 15-1/4 (38.7) | 4-3/8 (11.1) | 8.2 lbs (3.7 kg) | 175W MH, 4-lamp T8 HBF, 2-lamp T5HO |
| | 15000LM | 107 | 105 | 104 | 104 | 22 (55.9) | 15-1/4 (38.7) | 4-3/8 (11.1) | 8.2 lbs (3.7 kg) | 200W MH, 6-lamp T8 NBF |
| | 18000LM | 137 | 137 | 131 | 132 | 22 (55.9) | 15-1/4 (38.7) | 4-3/8 (11.1) | 8.2 lbs (3.7 kg) | 250W MH, 6-lamp T8 HBF, 4-lamp T5HO |
| | 22000LM | 166 | 165 | 161 | 161 | 22 (55.9) | 15-1/4 (38.7) | 4-3/8 (11.1) | 8.2 lbs (3.7 kg) | 400W MH, 6-lamp T5HO |
| L48 | 18000LM | 136 | 136 | 133 | 133 | 44 (111.8) | 15-1/4 (38.7) | 4-3/8 (11.1) | 18 lbs (8.2 kg) | 250W MH, 6-lamp T8 HBF, 4-lamp T5HO |
| | 22000LM | 166 | 165 | 161 | 161 | 44 (111.8) | 15-1/4 (38.7) | 4-3/8 (11.1) | 18 lbs (8.2 kg) | 400W MH, 6-lamp T5HO |
| | 30000LM | 215 | 213 | 205 | 204 | 44 (111.8) | 15-1/4 (38.7) | 4-3/8 (11.1) | 18 lbs (8.2 kg) | 575W MH, 10-lamp T8 HBF |

PROJECTED LUMEN MAINTENANCE

| Operating hours | 0 | 10,000 | 20,000 | 30,000 | 40,000 | 50,000 | 60,000 | 70,000 | 80,000 | 90,000 | 100,000 |
|--------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Lumen maintenance factor | 100% | 96% | 94% | 91% | 89% | 87% | 85% | 82% | 80% | 78% | 76% |

LSXR - Fixture Mount Sensor (see www.sensorswitch.com for additional information)

- Four interchangeable lenses.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Not available 208 or 240V.

| LSXR configuration | Comparable CMRB sensor | Old style sensor nomenclature |
|--|------------------------|-------------------------------|
| For shortest lead times use one of the following LSXR configurations | | |
| LCOZU | CMRB 50 | MSI |
| LCHOSZU | CMRB 50 D | MSID |
| LCPZU | CMRB 50 P | MSIPED |
| LAOZU | CMRB 6 | MSI360 |
| LAHOSZU | CMRB 6 D | MSI360D |
| LAPZU | CMRB 6 P | MSI360PED |



SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

SINGLE RELAY

Example: LAHOSZU

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

| Series | Lens option | Dimming/Photocell | Max. dim Level | Min. dim level | Temp/Humidity | Default time delay |
|---|--|---|---|--|-----------------------------|---|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° B Low mount, 360° C High mount aisleway | O None ¹ H High/low occupancy operation P Switching photocell (on/off) M Dimming and switching photocell G Dimming and switching photocell with high/low occupancy operation | 0 10 VDC 9 9 VDC 8 8 VDC 7 7 VDC | S Minimum dimming level of ballast 1 1 VDC 2 2 VDC 3 3 VDC 4 4 VDC 5 5 VDC 6 6 VDC | Z None T Low temperature | I 30 seconds D 2.5 minutes X 5 minutes R 7.5 minutes U 10 minutes (with minimum 15 minutes on time) V 15 minutes W 20 minutes Y 30 minutes |

DUAL RELAY (Available with 120-277, and 347V only)

Example: LA2KZU

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

| Series | Lens option | Poles | Operating mode | Temp/Humidity | Default time delay |
|---|--|--------------|--|-----------------------------|---|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° B Low mount, 360° C High mount aisleway | 2 Dual relay | J None K Alternating off relays (promotes even lamp wear) O Alternating off relays w/photocell P Switching photocell (on/off) E Photocell on/off (pole 1 only) F Photocell on/off - both poles (dual set-point) | Z None T Low temperature | I 30 seconds D 2.5 minutes X 5 minutes R 7.5 minutes U 10 minutes (with minimum 15 minutes on time) V 15 minutes W 20 minutes Y 30 minutes |

Example: LENS 50 J100

| Replacement lenses: Order as separate catalog number. | | |
|---|------------------------|------------------|
| Series | Lens type | Package quantity |
| Lens | 6 High mount 360° | U Unit |
| | 10 Low mount 360° | J10 10-pack |
| | 50 High mount aisleway | J100 100-pack |

Notes

- 1 Dimming level fields not required when this option is chosen.

RRL - RELOC®-Ready Luminaire

- RRL connectors can be used with Quick-Flex®, System 820 and OnePass® systems.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: RRLA

| Series | Wiring instructions | |
|----------------------------|---|--|
| RRL RELOC®-ready luminaire | <p>A Hot conductor wired to position #1 (phase A)</p> <p>B Hot conductor wired to position #2 (phase B)</p> | <p>AE Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B) ¹</p> <p>C12S Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2, low voltage conductor #2 in position #3 ²</p> |

Compatible RELOC® Cables for Industrial Luminaires (shipped and ordered separately)



OCS



OCU



OD

Notes

- ¹ AE commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode. Requires fixture to have a battery option.
- ² C12S option is used with the OnePass for 0-10V/DALI applications

IMP – Integrated Modular Plug

- The integrated modular plug (IMP) option allows the installer to plug and play.
- Cord sets connect quickly to any fixture with IMP option.

| IMP compatible cord sets ¹ | |
|---------------------------------------|-------------------------------|
| CS1WIMP | Straight plug, 120V |
| CS3WIMP | Twist-lock, 120V |
| CS7WIMP | Straight plug, 277V |
| CS11WIMP | Twist-lock, 277V |
| CS25WIMP | Twist-lock, 347V |
| CS93WIMP | 600V SEOW white cord, no plug |
| CS97WIMP | Twist-lock, 480V |

Notes

- ¹ Cord set required for fixture operation. All cord sets are 18/3, 6' white.