

| |
|----------------|
| Catalog Number |
| Notes |
| Type |

FEATURES & SPECIFICATIONS

INTENDED USE — The Lithonia Lighting JCBL LED Highbay is the affordable LED solution for users who prefer a luminaire with the look and feel of a round form factor. The JCBL is highly configurable and delivers comfortable and uniform lighting from mounting heights up to 30ft. Gymsnasiums, warehouses, packaging facilities and other industrial applications all benefit from JCBL's highly efficient design that saves up to 57+% over traditional sources. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — JCBL features an aluminum heat sink to maximize heat dissipation and extend the life of the luminaire by maximizing contact with the LEDs. A glass optical enclosure (IP65 rated) protects the LEDs from dust and other air contaminants. Reflector options including aluminum, prismatic acrylic and polycarbonate ship together and easily mount to the heatsink for quick installation.

OPTICS — Reflector and lens options provide maximum versatility and uniformity including up to 8% uplight with reflectors alone. Conical, flat or acrylic drop lenses offer enhanced aesthetics, minimize glare at lower mounting heights and maximize uplight (13%) when paired with acrylic reflectors.

ELECTRICAL — Utilizes 90°C case temperature for maximum life at high temperatures. Less than 20% THD and PF >90. Standard 6kV/3kA surge protection, tested in accordance to IEEE/ANSI standards. Input voltages include 120-277, 347-480 without the use of a step down transformer. Lumen maintenance L91 at 60,000 hours. 0-10V dimming standard for a dimming range of 100% to 10% dimming source current is 150 microA.

WIRELESS NETWORKING — XPoint™ Wireless technology creates a mesh network to ensure communication between fixtures, sensors and wall stations facility-wide. This option provides superior lighting management capabilities including granular control, configuration and custom grouping for increased energy savings.

INSTALLATION — Mounting options include steel hook & cord or 3/4" NPT threaded hub to accommodate stem or cast hook options.

LISTINGS — UL1598/CSA C22.2 250, Buy American Act, Damp location listed. Suitable for use in ambient temperatures from -40°C up to 55°C.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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.

LED Damp Rated High Bay

JCBL

9,000,12,000,15,000,18,000,
24000, or 30,000 lumens



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

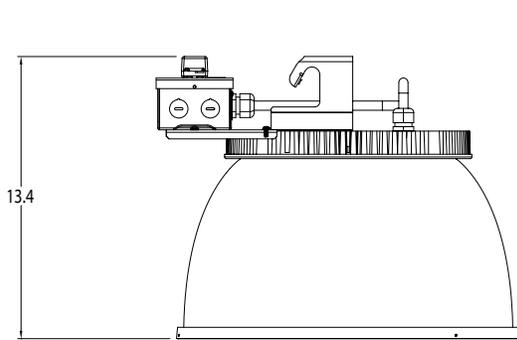
JCBL LED Damp Rated High Bay

DIMENSIONS

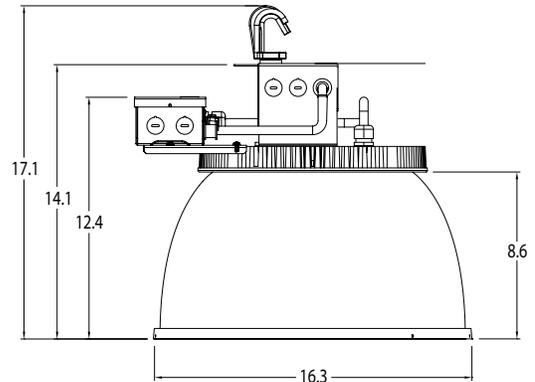
All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.

Typical weight:

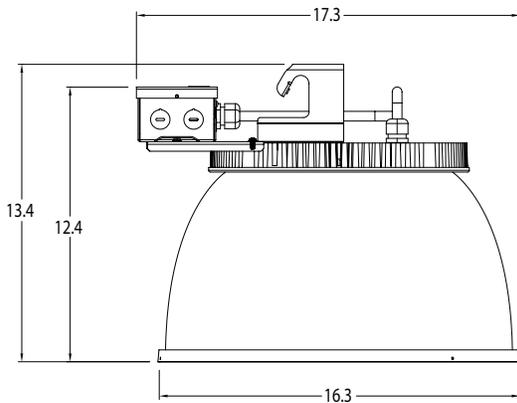
A cartoned luminaire weighs 22 lbs.;
unboxed it weighs 20 lbs.



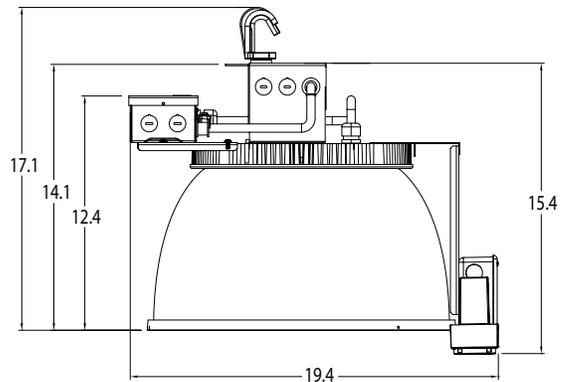
HOOK MOUNT W/ X-POINT



PENDANT MOUNT



HOOK MOUNT



PENDANT MOUNT W/ MOTION SENSOR

JCBL LED Damp Rated High Bay



A+ Capable options indicated by this color background.

ORDERING INFORMATION

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

Example: JCBL 24000LM SALR MVOLT GZ10 40K 70CRI PM SC6

| JCBL | | | | | GZ10 | | |
|--------|-----------------------|--------------------------|----------------------------------|----------------|--------------------|-------------------|-----------------------|
| Series | Lumens | Reflector | Lens ¹ | Voltage | Driver | Color temperature | Color rendering index |
| JCBL | 9000LM 9,000 lumens | DALR Diffuse aluminum | (blank) Open bottom | MVOLT 120-277V | GZ10 0-10V dimming | 30K 3000 K | 70CRI 70 CRI |
| | 12000LM 12,000 lumens | SALR Specular aluminum | For use with aluminum reflectors | HVOLT 347-480V | | 35K 3500 K | 80CRI 80 CRI |
| | 15000LM 15,000 lumens | ACFR Frosted acrylic | ALDRP Drop prismatic | 120 120V | | 40K 4000 K | 90CRI 90 CRI |
| | 18000LM 18,000 lumens | ACCR Clear acrylic | ALCON Conical | 208 208V | | 50K 5000 K | |
| | 24000LM 24,000 lumens | PLCR Clear polycarbonate | ALFGL Flat prismatic | 240 240V | | | |
| | 30000LM 30,000 lumens | | For use with acrylic reflectors | 277 277V | | | |
| | | | ACRDRP Drop prismatic | 347 347V | | | |
| | | | ACRCON Conical | 480 480V | | | |
| | | | ACRFGFL Flat prismatic | | | | |

| Mounting Configurations | | Options | | | | | |
|-------------------------|---|--------------|--|---------|---|-------------------|--|
| PM | Pendant mount | C6 | 6' cord | PS750DL | Emergency battery back-up, approximately 800 lumens (not available with 347V, 480V or HVOLT) ³ | NPP16D | nLight® switching/dimming module ^{3,6} |
| SC6 | Steel hook & 6' cord ² | C6PN | 6' cord with straight blade plug (not available with PS750DL) ³ | HKM | Hook, male, factory installed ⁵ | NPP16ER | nLight® switching/dimming module with emergency relay ^{3,6} |
| SC6P | 6' cord with male steel hook and NEMA twist lock plug (not available with PS750DL) ^{3,4} | HC6 | 6' cord with male cast hook, no plug (only available with pendant mount) | WG | Wire guard for open bottom reflectors (ships separately) | MSI6XADL DSCXADL | 360° Xpoint wireless motion sensor with photocell ^{3,7} |
| | | HC6P | 6' cord with male cast hook and NEMA twist lock plug (not available with PS750DL) ^{3,4} | FWG | Full wire guard (ships separately). | MSI10XADL DSCXADL | 60° Xpoint wireless motion sensor with photocell ^{3,7} |
| | | HC6PN | 6' cord with male cast hook and straight blade cord (not available with PS750DL) ^{3,4} | LCOZU | Aisle motion sensor, pre-wired ³ | XAD | Integral factory installed XPoint™ wireless 0-10V dimming relay ^{3,7} |
| | | HC6P20 | 6' cord with male cast hook and 20 amp plug (not available with PS750DL) ³ | LCHOSZU | Aisle motion sensor, pre-wired; programmable dimming ³ | XAD924 | Integral factory installed XPoint™ wireless, 0-10V dimming with Emergency relay ^{3,7} |
| | | CS6G16STOW5D | 6' white cord, 16/5, no plug, wet location, includes low voltage dimming wires | LCPZU | Aisle motion sensor with photocell; pre-wired ³ | | |
| | | HOCS | Hook, 5' RELOC® OCS ³ (only available with pendant mount) | LAOZU | 360° motion sensor, pre-wired ³ | | |
| | | OCS | 5' RELOC® OCS ³ | LAHOSZU | 360° motion sensor, pre-wired; programmable dimming ³ | | |
| | | SF | Single fusing available with 120, 277 or 347 volts only ³ | LAPZU | 360° motion sensor with photocell, pre-wired ³ | | |
| | | DF | Double fusing available with 208, 240, or 480 volts only ³ | | | | |

Accessories: Order as separate catalog number.

| | | | |
|------------|-------------------------|-----------|--|
| JCBLHKM | Hook, male | JCBLSPM12 | Swivel stem kit, 12", silver finish |
| JCBLHKF | Hook, female | JCBLSPM24 | Swivel stem kit, 24", silver finish |
| JCBLPH XXX | Power hook ³ | JCBLSPM36 | Swivel stem kit, 36", silver finish |
| JCBLSC120 | Safety cable 120" | WGJCBL | Wire guard for use with open bottom reflectors |
| JCBLSC240 | Safety cable 240" | FWGJCBL | Full wire guard |

Notes

- For use in ambient temperatures up to 40°C.
- Not available with FWG. When ordering 30,000 with SF, not available with SF or DF option.
- Must specify voltage.
- 120-277V utilizes a 15-amp plug, 347-480 utilizes a 20-amp plug (standard).
- Must have PM option.
- Available with 120-347V only.
- Utilize step down transformer when ordered with 347 or 480V.



JCBL LED Damp Rated High Bay

OPERATIONAL DATA

| Lumen package | Input Watts | Ambient rating | Open Reflector | Delivered lumens 3000K CCT, 70CRI | Delivered lumens 3500K CCT, 70CRI | Delivered lumens 4000K CCT, 70CRI | Delivered lumens 5000K CCT, 70CRI | Delivered lumens 3000K CCT, 80CRI | Delivered lumens 3500K CCT, 80CRI | Delivered lumens 4000K CCT, 80CRI | Delivered lumens 5000K CCT, 80CRI | Delivered lumens 3000K CCT, 90CRI | Delivered lumens 3500K CCT, 90CRI | Delivered lumens 4000K CCT, 90CRI | Delivered lumens 5000K CCT, 90CRI | Comparable light source |
|---------------|-------------|-------------------------------|----------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| 30000LM | 243W | (-40°F,-40°C) 122°F (50°C) | ACFR | 28,669 | 29,480 | 30,291 | 30,291 | 27,046 | 27,857 | 28,398 | 28,398 | 22,178 | 22,989 | 23,800 | 23,800 | 8-lamp TSHO, 400W HID |
| | | | ACCR | 28,628 | 29,438 | 30,248 | 30,248 | 27,007 | 27,817 | 28,358 | 28,358 | 22,146 | 22,956 | 23,766 | 23,766 | |
| | | | SALR | 26,602 | 27,354 | 28,107 | 28,107 | 25,096 | 25,849 | 26,351 | 26,351 | 20,579 | 21,331 | 22,084 | 22,084 | |
| | | | DALR | 26,250 | 26,993 | 27,736 | 27,736 | 24,765 | 25,508 | 26,003 | 26,003 | 20,307 | 21,050 | 21,793 | 21,793 | |
| | | | PLCR | 26,658 | 27,412 | 28,167 | 28,167 | 25,149 | 25,903 | 26,406 | 26,406 | 20,622 | 21,377 | 22,131 | 22,131 | |
| 24000LM | 193W | (-40°F,-40°C) 122°F (50°C) | ACFR | 22,901 | 23,549 | 24,198 | 24,198 | 21,605 | 22,253 | 22,685 | 22,685 | 17,716 | 18,364 | 19,012 | 19,012 | 6-lamp TSHO, 8-lamp T8, 400W HID |
| | | | ACCR | 22,885 | 23,532 | 24,180 | 24,180 | 21,589 | 22,237 | 22,669 | 22,669 | 17,703 | 18,351 | 18,999 | 18,999 | |
| | | | SALR | 21,202 | 21,802 | 22,403 | 22,403 | 20,002 | 20,602 | 21,002 | 21,002 | 16,402 | 17,002 | 17,602 | 17,602 | |
| | | | DALR | 21,034 | 21,629 | 22,224 | 22,224 | 19,843 | 20,438 | 20,835 | 20,835 | 16,271 | 16,867 | 17,462 | 17,462 | |
| | | | PLCR | 21,309 | 21,912 | 22,515 | 22,515 | 20,102 | 20,706 | 21,108 | 21,108 | 16,484 | 17,087 | 17,690 | 17,690 | |
| 18000LM | 140W | (-40°F,-40°C) 135°F (55°C) | ACFR | 17,354 | 17,845 | 18,337 | 18,337 | 16,372 | 16,863 | 17,191 | 17,191 | 13,425 | 13,916 | 14,407 | 14,407 | 4-lamp TSHO, 6-lamp T8, 400W HID |
| | | | ACCR | 17,218 | 17,705 | 18,192 | 18,192 | 16,243 | 16,730 | 17,055 | 17,055 | 13,319 | 13,807 | 14,294 | 14,294 | |
| | | | SALR | 15,897 | 16,347 | 16,797 | 16,797 | 14,997 | 15,447 | 15,747 | 15,747 | 12,298 | 12,747 | 13,197 | 13,197 | |
| | | | DALR | 15,917 | 16,367 | 16,818 | 16,818 | 15,016 | 15,466 | 15,767 | 15,767 | 12,313 | 12,764 | 13,214 | 13,214 | |
| | | | PLCR | 16,168 | 16,626 | 17,083 | 17,083 | 15,253 | 15,711 | 16,016 | 16,016 | 12,507 | 12,965 | 13,423 | 13,423 | |
| 15000LM | 119W | (-40°F,-40°C) 135°F (55°C) | ACFR | 14,408 | 14,815 | 15,223 | 15,223 | 13,592 | 14,000 | 14,272 | 14,272 | 11,145 | 11,553 | 11,961 | 11,961 | 4-lamp TSHO, 6-lamp T8 |
| | | | ACCR | 14,322 | 14,727 | 15,132 | 15,132 | 13,511 | 13,916 | 14,187 | 14,187 | 11,079 | 11,484 | 11,890 | 11,890 | |
| | | | SALR | 13,252 | 13,627 | 14,002 | 14,002 | 12,502 | 12,877 | 13,127 | 13,127 | 10,252 | 10,627 | 11,002 | 11,002 | |
| | | | DALR | 13,245 | 13,620 | 13,994 | 13,994 | 12,495 | 12,870 | 13,120 | 13,120 | 10,246 | 10,621 | 10,996 | 10,996 | |
| | | | PLCR | 13,451 | 13,832 | 14,213 | 14,213 | 12,690 | 13,071 | 13,325 | 13,325 | 10,406 | 10,787 | 11,167 | 11,167 | |
| 12000LM | 90W | (-40°F,-40°C) 135°F (55°C) | ACFR | 11,567 | 11,894 | 12,221 | 12,221 | 10,912 | 11,239 | 11,457 | 11,457 | 8,948 | 9,275 | 9,602 | 9,602 | 4-lamp T8, 250W HID |
| | | | ACCR | 11,470 | 11,794 | 12,119 | 12,119 | 10,821 | 11,145 | 11,362 | 11,362 | 8,873 | 9,198 | 9,522 | 9,522 | |
| | | | SALR | 10,600 | 10,900 | 11,200 | 11,200 | 10,000 | 10,300 | 10,500 | 10,500 | 8,200 | 8,500 | 8,800 | 8,800 | |
| | | | DALR | 10,556 | 10,854 | 11,153 | 11,153 | 9,958 | 10,257 | 10,456 | 10,456 | 8,166 | 8,465 | 8,763 | 8,763 | |
| | | | PLCR | 10,752 | 11,056 | 11,361 | 11,361 | 10,143 | 10,448 | 10,650 | 10,650 | 8,318 | 8,622 | 8,926 | 8,926 | |
| 9000LM | 67W | (-40°F,-40°C) 135°F (55°C) | ACFR | 8,624 | 8,868 | 9,112 | 9,112 | 8,136 | 8,380 | 8,543 | 8,543 | 6,672 | 6,916 | 7,160 | 7,160 | 2-lamp TSHO |
| | | | ACCR | 8,552 | 8,794 | 9,036 | 9,036 | 8,068 | 8,310 | 8,471 | 8,471 | 6,616 | 6,858 | 7,100 | 7,100 | |
| | | | SALR | 7,903 | 8,127 | 8,351 | 8,351 | 7,456 | 7,680 | 7,829 | 7,829 | 6,114 | 6,338 | 6,561 | 6,561 | |
| | | | DALR | 7,871 | 8,093 | 8,316 | 8,316 | 7,425 | 7,648 | 7,796 | 7,796 | 6,089 | 6,311 | 6,534 | 6,534 | |
| | | | PLCR | 8,017 | 8,244 | 8,471 | 8,471 | 7,563 | 7,790 | 7,941 | 7,941 | 6,202 | 6,429 | 6,655 | 6,655 | |

| Delivered upright | | | |
|-------------------|-----------|--------------|-----------|
| Reflector option | Flat Lens | Conical Lens | Drop Lens |
| ACFR | 13.6 | 12.3% | 7.9% |
| ACCR/PLCR | 7.7% | 5.9% | 7.6% |
| SALR | .2 | 5.9% | 7.7% |
| DALR | 2.0% | 12.3% | 1.5% |

PROJECTED LUMEN MAINTENANCE

| Operating hours | 0 | 25,000 | 35,000 | 50,000 | 60,000 | 75,000 | 100,000 |
|--------------------------|---|--------|--------|--------|--------|--------|---------|
| Lumen maintenance factor | 1 | 0.93 | 0.93 | 0.92 | 0.91 | 0.9 | 0.89 |

JCBL LAT FACTORS

| Avg. Ambient Temperature | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C | 55 °C |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| Lumen Output Factor | 1 | 0.99 | 0.98 | 0.97 | 0.96 | 0.95 | 0.93 |

REFLECTORS AND LENSES



Aluminum reflector
Available specular (SALR) or diffuse (DALR)



Acrylic frosted reflector (ACFR)



Clear acrylic (ACCR) or polycarbonate reflector (PLCR)



Acrylic drop lens (ACDRDP)

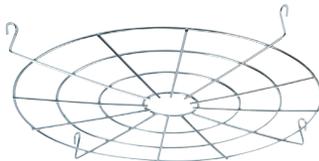


Flat prismatic lens (ALFGL)

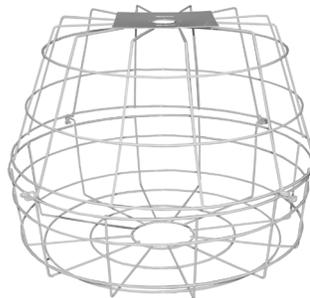


Conical lens (ALCON)

OPTIONS AND ACCESSORIES



Wire Guard (WG)



Full Wire Guard (FWG)



Safety Cable (JCBLSC120 or JCBLSC240)



Cast Hook Female (JCBLHKF)



Cast Hook Male (JCBLHKM)

JCBL LED Damp Rated High Bay

Stock Configurations (Hook-and-Cord)

Distributor Pack includes housing and reflector.

| | CI Code | Stock Description | UPC | Long Description |
|------------------------------|---------|--------------------------|----------------|--|
| Diffused Aluminum Reflectors | *241LL2 | JCBL 12L DALR MV 40K SC6 | 00190887368697 | 12,000 lumen JCBL LED high bay - diffused aluminum reflector, MVOLT, 4000K CCT, 70 CRI |
| | 241LL4 | JCBL 12L DALR MV 50K SC6 | 00190887368727 | 12,000 lumen JCBL LED high bay - diffused aluminum reflector, MVOLT, 5000K CCT, 70 CRI |
| | *241LLN | JCBL 18L DALR MV 40K SC6 | 00190887368871 | 18,000 lumen JCBL LED high bay - diffused aluminum reflector, MVOLT, 4000K CCT, 70 CRI |
| | *241LLT | JCBL 18L DALR MV 50K SC6 | 00190887368888 | 18,000 lumen JCBL LED high bay - diffused aluminum reflector, MVOLT, 5000K CCT, 70 CRI |
| | *241LLU | JCBL 24L DALR MV 40K SC6 | 00190887368901 | 24,000 lumen JCBL LED high bay - diffused aluminum reflector, MVOLT, 4000K CCT, 70 CRI |
| | *241LLV | JCBL 24L DALR MV 50K SC6 | 00190887368918 | 24,000 lumen JCBL LED high bay - diffused aluminum reflector, MVOLT, 5000K CCT, 70 CRI |

| | | | | |
|----------------------------|---------|--------------------------|----------------|--|
| Frosted Acrylic Reflectors | *241LLX | JCBL 12L ACFR MV 40K SC6 | 00190887368925 | 12,000 lumen JCBL LED high bay - frosted acrylic reflector, MVOLT, 4000K CCT, 70 CRI |
| | *241LLY | JCBL 12L ACFR MV 50K SC6 | 00190887368949 | 12,000 lumen JCBL LED high bay - frosted acrylic reflector, MVOLT, 5000K CCT, 70 CRI |
| | *241LM0 | JCBL 18L ACFR MV 40K SC6 | 00190887368932 | 18,000 lumen JCBL LED high bay - frosted acrylic reflector, MVOLT, 4000K CCT, 70 CRI |
| | *241LM2 | JCBL 18L ACFR MV 50K SC6 | 00190887368963 | 18,000 lumen JCBL LED high bay - frosted acrylic reflector, MVOLT, 5000K CCT, 70 CRI |
| | *241LM3 | JCBL 24L ACFR MV 40K SC6 | 00190887369007 | 24,000 lumen JCBL LED high bay - frosted acrylic reflector, MVOLT, 4000K CCT, 70 CRI |
| | *241LTK | JCBL 24L ACFR MV 50K SC6 | 00190887370492 | 24,000 lumen JCBL LED high bay - frosted acrylic reflector, MVOLT, 5000K CCT, 70 CRI |

PHOTOMETRICS

See www.lithonia.com.

