

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

Petrolux® LED Low Bay Adapter Ring

Hazardous Location for Demanding Environments

PXLH



Description

- For demanding environments with lower mounting heights where dust, dirt and moisture are a concern.
- 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.](#)

Optics

- Prismatic borosilicate glass directs light where needed and reduces harsh glare.
- Silicone rubber lens available that will not brown, chip, shatter or break.
- Four distributions (Type 5 low angle, Type 5 high angle, type 4 forward throw and Type 1 long and narrow) available to maximize versatility.
- Highly engineered LED system ensures superior uniformity and maximizes spacing.
- Lens assembly secured by stainless steel tamper-resistant Torx® T-20 screws.

Electrical

- Luminaire Surge Protection Level: Designed to withstand up to 10kV/5kA per ANSI C82.77-5-2015.
- 0-10V dimming driver is standard.
- 3000K, 4000K or 5000K CCT available.
- Fault-tolerant LED light engine continues to provide light even in the failure of one LED.
- Field Adjustable Output (AO) module - Onboard device that adjusts the light output and input wattage to meet site-specific requirements. The AO module is preset at the factory to position number 8 (see chart).
- Integrated Bluetooth occupancy sensor: The SBG BTP is bluetooth enabled with dimming photocells. Allows you to change settings in the field using the VLP app.

Mechanical

- Super durable TGIC thermoset powder coat. Corrosion-resistant finish is a five-stage pre-treating and painting process that yields over 5,000 hours salt rating per ASTM B117.
- Robust cast aluminum housing with low copper content (0.6% CU content) withstands harsh or hostile environments.
- Universal mount high profile top cover (ceiling/pendant). Optional universal arm available for wall/stanchion. Other mountings include, low profile hook/pendant mount and high profile yoke mount.
- Precise number of fins dissipate maximum amount of heat. -40°F (-40°C) to 149°F (65°C) ambient rating.
- Universal mount can be wall, stanchion, and angle mounted to accommodate a variety of arms.

Listings

- UL 844
- Class 1, Division 2 Groups A, B, C, D
- Class 2, Division 2 Groups F and G
- IP65 and IP66 rated. IP67 rated except when used with sensor.
- Luminaire is 1G vibration rated.
- Marine rated — see Marine chart for option compatibility
- DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- IK rated (see chart on page 4)

Warranty

5-year limited warranty. 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.



Typical Applications

- Petroleum refineries
- Ethanol facilities
- Chemical plants
- Power plants
- Textile mills
- Water and wastewater treatment facilities
- Parking Garages

Dimensions: Inches (millimeters) unless otherwise noted.

Universal Mount
 Diameter: 13.11 (332.99)
 Height: 11.43 (290.32)
 Weight: Approx. 19 lbs (8.62 kg)
 Pallet quantity: 12 fixtures
 EPA: 0.787 sq. ft. wind loading

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

A+ Capable options indicated by this color background.

ORDERING INFORMATION

Example: PXLH 8000LM MDU5 MVOLT 40K 80CRI ARCH00 DWHXD

| Series | Lumens | Optics | Voltage | Color Temperature | Color Rendering Index |
|--------|-----------------------|---|-------------------|-------------------|-----------------------|
| PXLH | 3000LM 3,000 lumens | FWD Forward throw, glass lens | MVOLT (120V-277V) | 30K 3000K CCT | 70CRI 70CRI |
| | 5000LM 5,000 lumens | MD0 Medium, glass lens with minimal uplight | HVOLT (347V/480V) | 40K 4000K CCT | 80CRI 80CRI |
| | 8000LM 8,000 lumens | MDU5 Medium, glass lens with uplight | 120 120V | 50K 5000K CCT | 90CRI 90CRI |
| | 10000LM 10,000 lumens | MDU5GLF Medium, frosted glass lens with uplight | 208 208V | | |
| | | ND Long and Narrow, glass lens | 240 240V | | |
| | | SO Medium, silicone optic with minimal uplight | 277 277V | | |
| | | SOND Long and Narrow, silicone optic | 347 347V | | |
| | | WD Wide, glass lens | 480 480V | | |






| Mounting Options ¹ | Options | Finish |
|--|---|--|
| ARCH00 Adapter ring for use with Crouse Hinds Champ, 0° orientation | Controls: Non-Dimming Sensors: MSI10NWL 360° motion sensor integral, low bay 15–25 ft., on/off, IP66 rated MSI10NWL DSCNWL 360° motion sensor integral with photocell & occupancy sensor, low bay 15–25 ft., on/off, IP66 rated Dimming Sensors: MSI102L3VWL 360° motion sensor integral, low bay 15-25 ft., on/off with second time-out period, goes to a dimmed state before turning off max./min. Dim setting, IP66 rated Xpoint Wireless:² MSI10XAWL DSCXAWL XPoint wireless enabled with photocell & occupancy sensor, low bay 15-25 ft, IP66 rated XAD XPoint™ Wireless 0-10V relay, internal, lower max ambient XAD924 XPoint™ Wireless 0-10V relay, internal, lower max ambient, meets UL924 Bluetooth Sensors:³ SBGR10BTP 360° Low Mount Occ Sensor, pre-wired; Bluetooth® SBGR10BTP HL 360° Low Mount Occ Sensor w/HL Default, pre-wired; Bluetooth® SBGR10BTP ADC 360° Low Mount Occ Sensor w/ADC Default, pre-wired; Bluetooth® SBGR10BTP ANL 360° Low Mount Occ Sensor w/ANL Default, pre-wired; Bluetooth® Other Options: BSL310HAZB Em Self-diagnostics battery pack, 5° min., 10W Constant power, Certified in CA Title 20 MAEDBS ⁴ AO Field Adjustable Output, Standard setting is 8 ⁵ WGX Wire guard, factory installed, default painted gray EMD Ingress/Egress Marker Decal UPS Uplight Shield ⁶ | DGXD Gray super durable DWHXD White super durable DBXD Black super durable |
| ARCH45 Adapter ring for use with Crouse Hinds Champ, 45° orientation | | |
| ARCH135 Adapter ring for use with Crouse Hinds Champ, 135° orientation | | |
| ARAPMM200 Adapter ring for use with Appleton Mercmaster 2, 0° orientation | | |
| ARAPMM300 Adapter ring for use with Appleton Mercmaster 3, 0° orientation | | |
| ARKL00 Adapter ring for use with Killark Certilite and Certilite V, 0° orientation | | |
| ARPTL00 Adapter ring for use with Holophane Petrolux II large (PETL), Petrolux III medium (P3M) and Hazardous Petrolux LED (HPLED), 0° orientation | | |
| ARPTLLP00 Adapter ring for use with Holophane Petrolux III low profile (P3S), 0° orientation | | |

| Accessories: Order as separate catalog number. | |
|--|----------------------------------|
| WGPXLW CRXX | Wire guard, XX denotes color |
| SCK36 | 36" safety chain kit |
| SCK72 | 72" safety chain kit |
| SCK120 | 120" safety chain kit |
| UPSPXLW CRXX | Uplight shield, XX denotes color |

Notes

- Orientation is used to match direction of light output for asymmetrical distribution types (LND, FWD and SOLND). This is used to match existing Crouse Hinds angled orientation types only. This shifts the focus of the light left or right from center. All other distributions and compatible products will use a 0° orientation.
- Not available with HVOLT, AO or BSL310HAZSB
- Not available with HVOLT in 3000LM or 5000LM lumen packages. Not available with AO or BSL310HAZSB.
- Utilizes BSL310HAZB battery pack. Available with MSI10NWL, MSI102L3VWL or MSI10NWL DSCNWL. Not available with HVOLT, 347, 480 or any other controls.
- Not available with MSI10NWL DSCNWL, dimming sensors, Xpoint wireless or Bluetooth sensors.
- When ordered with MSI10NWL, MSI10NWL DSCNWL, MSI10XAWL DSCXAWL, SBGR10BTP, SBGR10BTP HL, SBGR10BTP ADC, or SBGR10BTP ANL, may cause sensor viewing angle cutoff.

Petrolux® PXLH Top Cap Compatible Products

| Holophane® Petrolux® II and Petrolux® III | Emerson® Appleton™ Mercmaster™ II | Emerson® Appleton™ Mercmaster™ III | Crouse-Hinds Series Champ® | Killark® Certilite® and Certilite® V |
|---|--|---|---|---|
| <ul style="list-style-type: none"> • PETL (Petrolux II Large) • P3S (Petrolux III Low Profile) • P3M (Petrolux III Medium) • HPLED (Hazardous Petrolux LED)  | <ul style="list-style-type: none"> • LPA 75/100 • LPC 75/100 • LPS 125/150 • LPWB 75/100  | <ul style="list-style-type: none"> • KPA75/100 • KPAF75/100 • KPC75/100 • KPCH75/100 • KPS125/150 • KPST125/150 • KPWB75/100  | <ul style="list-style-type: none"> • APM2 • APM3 • CM2 • CM3 • HPM2 • JM5 • PM5 • QM25 • TWM2 • TWM3 <p>* When checking compatibility with the existing Crouse Hinds products, part numbers above reference the mounting module and not luminaire model number</p>  | <ul style="list-style-type: none"> • VMA2B / VMA-2 • VMA3B / VMA-3 • VMB2B / VMB-2 • VMB3B / VMB-3 • VMC2B / VMC-2 • VMC3B / VMC-3 • VMD4B • VMD5B • VMF2B, 3B • VMS5B • VMX2B / VMX-2 • VMX3B / VMX-3 • VMX6B, 7B, 8B, 9B  |

OPERATIONAL DATA

Performance with AO Field Adjustable Output

| FAO Setting | Base Max Lumen Output % |
|-------------|-------------------------|
| 1 | 35% |
| 2 | 48% |
| 3 | 61% |
| 4 | 74% |
| 5 | 87% |
| 6 | 100% |
| 7 | 100% |
| 8 | 100% |

Impact Resistance (IK Ratings)

| Lens Material | Rating |
|---------------|--------|
| Glass | IK06 |
| Acrylic | IK07 |

Projected Lumen Maintenance (TM-21)

| 25C ambient | | | | | | |
|---------------|---------|--------------|--------------|--------------|--------------|---------------|
| Lumen Package | 0 Hours | 15,000 Hours | 30,000 Hours | 45,000 Hours | 60,000 Hours | 100,000 Hours |
| 3,000LM | 1 | 0.97 | 0.95 | 0.92 | 0.9 | 0.84 |
| 5,000LM | 1 | 0.97 | 0.95 | 0.92 | 0.9 | 0.84 |
| 8,000LM | 1 | 0.97 | 0.94 | 0.92 | 0.89 | 0.83 |
| 10,000LM | 1 | 0.97 | 0.95 | 0.92 | 0.9 | 0.84 |

| 55C ambient | | | | | | |
|---------------|---------|--------------|--------------|--------------|--------------|---------------|
| Lumen Package | 0 Hours | 15,000 Hours | 30,000 Hours | 45,000 Hours | 60,000 Hours | 100,000 Hours |
| 3,000LM | 1 | 0.97 | 0.94 | 0.91 | 0.88 | 0.81 |
| 5,000LM | 1 | 0.97 | 0.94 | 0.91 | 0.89 | 0.82 |
| 8,000LM | 1 | 0.96 | 0.93 | 0.89 | 0.86 | 0.78 |
| 10,000LM | 1 | 0.96 | 0.93 | 0.9 | 0.87 | 0.79 |

Default Bluetooth Sensor Programming

| Model | Default Operation | Occupancy Time Delay | Photocell Mode | Photocell Set-point | Low Trim | High Trim | Dim to Off Time Delay |
|---------------|--|----------------------|-------------------|---------------------|----------|-----------|-----------------------|
| SBGR10BTP | On/Off Occupancy Only Disabled | 10 minutes | Disabled | n/a | n/a | 100% | Disabled |
| SBGR10BTP HL | Occupancy w/ 0-10V Dimming (High/Low/Off) | 10 minutes | Disabled | n/a | 10% | 100% | 2.5 minutes |
| SBGR10BTP ADC | Occupancy w/ Dim & Switch Photocell | 10 minutes | On/Off & Auto Dim | 50 fc | 10% | 100% | 0 seconds |
| SBGR10BTP ANL | Dim & Switch Photocell with High/Low Occupancy Operation | 10 minutes | On/Off & Auto Dim | 50 fc | 10% | 100% | Stay Dim/Never Off |

Operating Characteristics

| Package | Distribution | Delivered lumens at 3000K CCT 70CRI @ 25C | Delivered lumens at 3000K CCT 80CRI @ 25C | Delivered lumens at 3000K CCT 90CRI @ 25C | Delivered lumens at 4000K CCT 70CRI @ 25C | Delivered lumens at 4000K CCT 80CRI @ 25C | Delivered lumens at 4000K CCT 90CRI @ 25C | Delivered lumens at 5000K CCT 70CRI @ 25C | Delivered lumens at 5000K CCT 80CRI @ 25C | Delivered lumens at 5000K CCT 90CRI @ 25C | Wattage | LPW @ 4000K 80CRI |
|---------|--------------|---|---|---|---|---|---|---|---|---|---------|-------------------|
| 3000LM | FWD | 2848 | 2621 | 2167 | 2988 | 2712 | 2184 | 3110 | 2746 | 2202 | 21 | 127 |
| | MDO | 3035 | 2793 | 2308 | 3183 | 2785 | 2327 | 3314 | 2821 | 2346 | 21 | 130 |
| | MDU5 | 2700 | 2485 | 2054 | 2833 | 2803 | 2071 | 2949 | 2839 | 2087 | 21 | 131 |
| | MDU5GLF | 3021 | 2780 | 2298 | 3169 | 2883 | 2316 | 3299 | 2920 | 2335 | 21 | 135 |
| | ND | 2698 | 2483 | 2053 | 2831 | 2596 | 2069 | 2947 | 2630 | 2086 | 21 | 121 |
| | SO | 3182 | 2928 | 2421 | 3338 | 2934 | 2440 | 3475 | 2971 | 2460 | 21 | 137 |
| | WD | 3098 | 2851 | 2357 | 3250 | 2850 | 2376 | 3383 | 2887 | 2395 | 21 | 133 |
| 5000LM | FWD | 4852 | 4465 | 3691 | 5090 | 4619 | 3721 | 5298 | 4679 | 3750 | 35 | 130 |
| | MDO | 5169 | 4757 | 3933 | 5423 | 4745 | 3964 | 5645 | 4805 | 3996 | 35 | 134 |
| | MDU5 | 4600 | 4233 | 3499 | 4826 | 4776 | 3528 | 5023 | 4837 | 3556 | 35 | 135 |
| | MDU5GLF | 5146 | 4735 | 3915 | 5398 | 4911 | 3946 | 5619 | 4974 | 3978 | 35 | 139 |
| | ND | 4597 | 4230 | 3497 | 4822 | 4423 | 3525 | 5020 | 4480 | 3553 | 35 | 125 |
| | SO | 5421 | 4989 | 4124 | 5687 | 4998 | 4157 | 5920 | 5062 | 4191 | 35 | 141 |
| | WD | 5278 | 4857 | 4015 | 5537 | 4856 | 4048 | 5764 | 4918 | 4080 | 35 | 137 |
| 8000LM | FWD | 7751 | 7133 | 5896 | 8131 | 7380 | 5944 | 8464 | 7474 | 5991 | 58 | 128 |
| | MDO | 8258 | 7600 | 6282 | 8664 | 7580 | 6333 | 9018 | 7677 | 6384 | 58 | 132 |
| | MDU5 | 7349 | 6763 | 5590 | 7709 | 7629 | 5636 | 8025 | 7727 | 5681 | 58 | 132 |
| | MDU5GLF | 8221 | 7565 | 6254 | 8624 | 7846 | 6304 | 8977 | 7947 | 6355 | 58 | 136 |
| | ND | 7344 | 6758 | 5586 | 7704 | 7066 | 5632 | 8019 | 7156 | 5677 | 58 | 123 |
| | SO | 8660 | 7970 | 6588 | 9085 | 7984 | 6641 | 9457 | 8086 | 6694 | 58 | 139 |
| | WD | 8432 | 7759 | 6414 | 8846 | 7757 | 6466 | 9208 | 7857 | 6518 | 58 | 135 |
| 10000LM | FWD | 9796 | 9015 | 7452 | 10277 | 9327 | 7512 | 10698 | 9447 | 7573 | 74 | 126 |
| | MDO | 10438 | 9605 | 7940 | 10950 | 9580 | 8004 | 11398 | 9703 | 8068 | 74 | 129 |
| | MDU5 | 9288 | 8547 | 7066 | 9744 | 9643 | 7123 | 10143 | 9766 | 7180 | 74 | 130 |
| | MDU5GLF | 10390 | 9561 | 7904 | 10900 | 9916 | 7968 | 11346 | 10044 | 8032 | 74 | 134 |
| | ND | 9281 | 8541 | 7061 | 9737 | 8930 | 7118 | 10136 | 9045 | 7175 | 74 | 121 |
| | SO | 10946 | 10073 | 8327 | 11483 | 10091 | 8394 | 11953 | 10220 | 8461 | 74 | 136 |
| | WD | 10657 | 9807 | 8107 | 11180 | 9804 | 8173 | 11638 | 9930 | 8238 | 74 | 132 |

Ambient Temperature Ratings

| Mounting | OCC Sensor | Xpoint | SBGR BTP | Battery | Voltage | Ambient | | | |
|--------------|------------|--------|----------|------------|---------|---------|--------|--------|---------|
| | | | | BSL310HAZB | | 3000LM | 5000LM | 8000LM | 10000LM |
| Adaptor Ring | N | N | N | N | Any | 65 | 60 | 55 | |
| | | | | Y | 120-277 | 40 | | 35 | |
| | | | Y | N | Any | 60 | 60 | 55 | |
| | | | | Y | 120-277 | | - | | |
| | | Y | N | N | Any | 65 | 60 | 55 | |
| | | | | Y | 120-277 | | - | | |
| | | | Y | N | Any | | - | | |
| | | | | Y | 120-277 | | - | | |
| | Y | N | N | N | Any | 65 | 60 | 55 | |
| | | | | Y | 120-277 | 40 | | 35 | |
| | | | Y | N | Any | | - | | |
| | | | | Y | 120-277 | | - | | |
| | | Y | N | N | Any | | - | | |
| | | | | Y | 120-277 | | - | | |
| | | | Y | N | Any | | - | | |
| | | | | Y | 120-277 | | - | | |

Glass Lens (MD0, MDU5, MDU5GLF, WD, ND, FWD)

| 40C Ambient | | |
|---------------|------|------------------------|
| Lumen Package | C1D2 | Simultaneous C1 and C2 |
| 3000LM | T4 | T3 |
| 5000LM | T4 | T2C |
| 8000LM | T4 | T3 |
| 10000LM MVOLT | T2C | T3 |
| 10000LM HVOLT | T2 | T2C |

| 55C Ambient | | |
|---------------|------|------------------------|
| Lumen Package | C1D2 | Simultaneous C1 and C2 |
| 3000LM | T3C | T2D |
| 5000LM | T3 | T2D |
| 8000LM | T3C | T2D |
| 10000LM MVOLT | T3 | T2D |
| 10000LM HVOLT | T2A | T2 |

| 60C Ambient | | |
|---------------|------|------------------------|
| Lumen Package | C1D2 | Simultaneous C1 and C2 |
| 3000LM | T4 | T2C |
| 5000LM | T3A | T2C |
| 8000LM | T4 | T2C |
| 10000LM MVOLT | N/A | N/A |
| 10000LM HVOLT | N/A | N/A |

| 65C Ambient | | |
|---------------|------|------------------------|
| Lumen Package | C1D2 | Simultaneous C1 and C2 |
| 3000LM | T3C | T2C |
| 5000LM | T3A | T2C |
| 8000LM | N/A | N/A |
| 10000LM MVOLT | N/A | N/A |
| 10000LM HVOLT | N/A | N/A |

Silicone Lens (S0, SOND)

| 40C Ambient | | |
|---------------|------|------------------------|
| Lumen Package | C1D2 | Simultaneous C1 and C2 |
| 3000LM | T4 | T2A |
| 5000LM | T4 | T2A |
| 8000LM | T4 | T2A |
| 10000LM MVOLT | T2C | T2A |
| 10000LM HVOLT | T2 | T2A |

| 55C Ambient | | |
|---------------|------|------------------------|
| Lumen Package | C1D2 | Simultaneous C1 and C2 |
| 3000LM | T3C | T2 |
| 5000LM | T3 | T2 |
| 8000LM | T3C | T2 |
| 10000LM MVOLT | T3 | T2 |
| 10000LM HVOLT | T2A | T2 |

| 60C Ambient | | |
|---------------|------|------------------------|
| Lumen Package | C1D2 | Simultaneous C1 and C2 |
| 3000LM | T4 | T2 |
| 5000LM | T3A | T2 |
| 8000LM | T4 | T2 |
| 10000LM MVOLT | N/A | N/A |
| 10000LM HVOLT | N/A | N/A |

| 65C Ambient | | |
|---------------|------|------------------------|
| Lumen Package | C1D2 | Simultaneous C1 and C2 |
| 3000LM | T3C | T1 |
| 5000LM | T3A | T1 |
| 8000LM | N/A | N/A |
| 10000LM MVOLT | N/A | N/A |
| 10000LM HVOLT | N/A | N/A |

Hazardous Compatibility

| Nomenclature | C1D2 | C2D2 |
|--|------|------|
| MDO, MDU5, MDU5GLF, WD, ND, FWD | X | X |
| SO, SOND | X | X |
| MSI10NWL, MSI102LVWL, MSI10NWL DSCNWL, MSI10XAWL DSCXAWL | | X |
| XAD, XAD924, MSI10XAWL DSCXAWL | | X |
| SBGR10BTP, SBGR10BTP HL, SBGR10BTP ADC, SBGR10BTP ANL | X | X |
| AO | | X |
| BSL310HAZSB | X | X |
| WGX | X | X |
| UPS | X | X |

Marine Compatibility

| Catalog Nomenclature | Marine | |
|----------------------|-------------------|-----|
| Lumen Packages | 3000LM | X |
| | 5000LM | X |
| | 8000LM | X |
| | 10000LM | X |
| Optics | MDO | X |
| | MDU5 | X |
| | MDU5GLF | X |
| | WD | X |
| | ND | X |
| | FWD | X |
| | SO | |
| | SOND | |
| Voltage | MVOLT | X |
| | 120 | X |
| | 208 | X |
| | 240 | X |
| | 277 | X |
| | HVOLT | X |
| | 347 | X |
| | 480 | X |
| | Color Temperature | 30K |
| 40K | | X |
| 50K | | X |
| CRI | 70CRI | X |
| | 80CRI | X |
| | 90CRI | X |

| Catalog Nomenclature | Marine | |
|----------------------|-------------------|-----------|
| Mounting Options | ARCH00 | X |
| | ARCH45 | X |
| | ARCH135 | X |
| | ARAPMM200 | X |
| | ARAPMM300 | X |
| | Options | AO |
| WGX | | X |
| EMD | | X |
| UPS | | X |
| USPOM | | X |
| BSL310HAZB | | |
| Controls | | SBGR10BTP |
| | SBGR10BTPHL | |
| | SBGR10BTPADC | |
| | SBGR10BTPANL | |
| | MSI10NWL | |
| | MSI102L3VWL | |
| | MSI10NWL DSCNWL | |
| | MSI10XAWL DSCXAWL | |
| | XAD | X |
| | XAD924 | X |
| | Fixture Finish | DGXD |
| DWHXD | | X |
| DNXD | | X |
| DBXD | | X |
| Accessories | WGPXLW | X |
| | UPSPXLW | X |