

Petrolux® LED Low Bay Adapter Ring

Hazardous Location for Demanding Environments

PXLH



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

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. Dims to 10%.
- 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 on page 4).
- 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 with 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.
- Precise number of fins dissipate maximum amount of heat.

Typical Applications

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

Listings

- UL Listed to US and Canadian Standards.
- Suitable for use in hazardous locations (UL844, see chart on page 8)
- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups E, F and G
- Class II, Division 2, Groups F and G
- Class III
- Zone Equivalency Markings (See chart on page 8)
- 40°F (-40°C) to 149°F (65°C) ambient temperature rating. (see chart on page 6)
- IP65 and IP66 rated.
- 1G vibration rated.
- NEMA 4X (see chart on page 8)
- Marine Rated (see chart on page 8)
- IK Rated (see chart on page 4)
- 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.

Government Procurement

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/resources/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.

Dimensions: Inches (millimeters) unless otherwise noted.

Diameter: 13.11 in. (332.99 mm.)
Weight: 19 lbs. (8.62 Kg.)
Pallet Quantity: 12 fixtures
EPA: .787 ft²

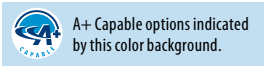
A+ Capable Luminaire

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® control networks marked by a [shaded background](#)*

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

*See ordering tree for details



ORDERING INFORMATION

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

| Series | Lumen Package | Distribution | Voltage | Color Temperature | Color Rendering Index |
|--------|-----------------------|--|----------------------------|-------------------|-----------------------|
| PXLH | 3000LM 3,000 lumens | FWD Forward throw, glass lens | MVOLT (120V-277V, 50/60Hz) | 30K 3000K CCT | 70CRI 70CRI |
| | 5000LM 5,000 lumens | LND Long and Narrow, glass lens | | 40K 4000K CCT | 80CRI 80CRI |
| | 8000LM 8,000 lumens | MD0 Medium, glass lens with minimal uplight | 120 120V, 50/60Hz | 50K 5000K CCT | 90CRI 90CRI |
| | 10000LM 10,000 lumens | MDU5 Medium, glass lens with uplight | 208 208V, 50/60Hz | | |
| | | MDU5FR Medium, frosted glass lens with uplight | 240 240V, 50/60Hz | | |
| | | SO Medium, silicone optic with minimal uplight ‡ | 277 277V, 50/60Hz | | |
| | | SOLND Long and Narrow, silicone optic ‡ | HVOLT (347V-480V, 50/60Hz) | | |
| | | WD Wide, glass lens | 347 347V, 50/60Hz | | |
| | | | 480 480V, 50/60Hz | | |
| | | | 125VDC 125V, DC Driver | | |
| | | | 250VDC 250V, DC Driver | | |

| Mounting ‡ | Options | Finish |
|--|---|---|
| ARCH00 Adapter ring for use with Crouse Hinds Champ, 0° orientation | Individual Non-Dimming Sensors: ‡ SBGR10 360° Low Mount Sensor, (8-15' mounting heights), on/off occupancy (LINK) SBGR10 P 360° Low Mount Sensor, (8-15' mounting heights), on/off photocell (LINK) | DBXD Black super durable, corrosion resistant ‡ DGXD Gray super durable, corrosion resistant ‡ DWHXD White super durable, corrosion resistant ‡ |
| ARCH45 Adapter ring for use with Crouse Hinds Champ, 45° orientation | Individual Dimming Sensor: ‡ SBGR10 D 3V 360° Low Mount sensor, (8-15' mounting heights), high/low occupancy dimming (LINK) | |
| ARCH135 Adapter ring for use with Crouse Hinds Champ, 135° orientation | Bluetooth Sensors: ‡ SBG10 OCC BTP 360° Low Mount Sensor, (7-15' mounting heights), on/off occupancy, utilizes smart hub for Bluetooth® programmability (LINK) SBG10 HL BTP 360° Low Mount Sensor, (7-15' mounting heights), high/low/(off) occupancy dimming, utilizes smart hub for Bluetooth® programmability (LINK) SBG10 ADC BTP 360° Low Mount Sensor, (7-15' mounting heights), on/off occupancy with auto dimming photocell, utilizes smart hub for Bluetooth® programmability (LINK) SBG10 ANL BTP 360° Low Mount Sensor, (7-15' mounting heights), high/low/(off) occupancy dimming with auto dimming photocell, utilizes smart hub for Bluetooth® programmability (LINK) | |
| ARAPMM200 Adapter ring for use with Appleton Mercmaster 2, 0° orientation ‡ | Emergency: BSL310HAZSB 10.4W Internal hazardous location emergency driver, 0°C min, UL924 Compliant, Certified in CA Title 20 MAEDBS ‡ | |
| ARAPMM300 Adapter ring for use with Appleton Mercmaster 3, 0° orientation | Other Options: AO Field Adjustable Output, Standard setting is 8 ‡ BAA Buy America(n) Act and/or Build America Buy America Qualified EMD Ingress/Egress Marker Decal UPS Uplight shield ‡ WGX Zinc coated wire guard, factory installed | |
| 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. | |
|--|------------------------------------|
| HSCKX | X inch safety chain kit ‡ |
| UPSPXLW XX CR | Uplight shield, XX denotes color ‡ |
| WGPXLW | Zinc coated wire guard |

| Option Value Ordering Restrictions & Notes | |
|--|---|
| Option value | Restriction |
| ARKL00, ARPTL00 | Not CII D1 rated. |
| ARPTLLP00 | Not CII D1 or NEMA4X rated. |
| ARAPMM200 | Not NEMA4X rated. |
| AO | Not available with BSL310HAZSB battery, SBGR10 D 3V individual dimming sensor or SBG10 BTP Bluetooth sensors. Not CI D2 rated. |
| Bluetooth® Sensors | Not available with HVOLT in the 3000LM or 5000LM lumen packages. BTP sensor options with 3000LM or 5000LM lumen packages cannot dim to OFF. These lumen packages will dim to 10% minimum and cannot be turned OFF with controls. Not available with AO or BSL310HAZSB in any lumen package. IP65 and IP66 rated. Not CII D1, Marine or NEMA4X rated. |
| BSL310HAZSB | Utilizes Bodine BSL310HAZSB emergency driver. Available with SBGR10 or SBGR10 P individual non-dimming sensors. Not available with AO, HVOLT, 347, 480, SBGR10 D 3V individual dimming sensor or SBG10 BTP Bluetooth sensors. Not Marine or NEMA4X rated. |
| DBXD | Corrosion resistant finish is standard. Not Marine or NEMA4X rated. |
| DGXD | Corrosion resistant finish is standard. |
| DWHXD | Corrosion resistant finish is standard. Not NEMA4X rated. |
| HSCXX | X denotes length. Available in multiple sizes. Replace X with size in inches. Example: HSCX120 = 120 inches or 10 feet. |
| Individual Dimming Sensor | Not available with AO option. IP65 and IP66 rated. Not CI D2, CII D1, Marine or NEMA4X rated. |
| Individual Non-Dimming Sensors | IP65 and IP66 rated. Not CI D2, CII D1, Marine or NEMA4X rated. |
| Mounting | 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. |
| SO, SOLND | Not CII D1, Marine or NEMA4X rated. |
| UPS, UPSXLW CR XX | When paired with any sensor option, the sensor viewing angle will be 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% |

Number of LED Boards and Drivers Used

| Lumen Package | Number of LED boards per fixture | Number of drivers per fixture |
|---------------|----------------------------------|-------------------------------|
| 3000LM | 1 | 1 |
| 5000LM | 1 | 1 |
| 8000LM | 1 | 1 |
| 10000LM | 1 | 1 |

Impact Resistance (IK Ratings)

| Lens Material | Rating |
|---------------|--------|
| Glass | IK07 |
| Silicone | IK10 |

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 |
|---------------|--|----------------------|-------------------|---------------------|----------|-----------|-----------------------|
| SBG10 OCC BTP | On/Off Occupancy Only | 10 minutes | Disabled | n/a | n/a | 100% | Disabled |
| SBG10 HL BTP | Occupancy w/ 0-10V Dimming (High/Low/Off) | 10 minutes | Disabled | n/a | 10% | 100% | 2.5 minutes |
| SBG10 ADC BTP | On/Off Occupancy with Auto Dimming Photocell | 10 minutes | On/Off & Auto Dim | 50 fc | 10% | 100% | 0 seconds |
| SBG10 ANL BTP | High/Low/(Off) Occupancy Dimming with Auto Dimming Photocell | 10 minutes | On/Off & Auto Dim | 50 fc | 10% | 100% | Stay Dim/Never Off |

Operating Characteristics ‡

| Lumens | Distribution | Input Watts ‡ | 3000K | | | 4000K | | | 5000K | | | |
|--------|--------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | 70CRI | 80CRI | 90CRI | 70CRI | 80CRI | 90CRI | 70CRI | 80CRI | 90CRI | |
| 3000LM | FWD | 21 | 2848 | 2621 | 2166 | 2988 | 2726 | 2184 | 3110 | 2760 | 2201 | Lumens |
| | | | 136 | 125 | 103 | 142 | 130 | 104 | 148 | 131 | 105 | LPW |
| | LND | 21 | 2698 | 2483 | 2053 | 2831 | 2583 | 2069 | 2947 | 2616 | 2086 | Lumens |
| | | | 128 | 118 | 98 | 135 | 123 | 99 | 140 | 125 | 99 | LPW |
| | MD0 | 21 | 3034 | 2792 | 2308 | 3183 | 2904 | 2327 | 3314 | 2941 | 2346 | Lumens |
| | | | 144 | 133 | 110 | 152 | 138 | 111 | 158 | 140 | 112 | LPW |
| | MDU5 | 21 | 3020 | 2780 | 2298 | 3169 | 2891 | 2316 | 3298 | 2928 | 2335 | Lumens |
| | | | 144 | 132 | 109 | 151 | 138 | 110 | 157 | 139 | 111 | LPW |
| | MDU5FR | 21 | 2700 | 2485 | 2054 | 2833 | 2584 | 2071 | 2949 | 2617 | 2087 | Lumens |
| | | | 129 | 118 | 98 | 135 | 123 | 99 | 140 | 125 | 99 | LPW |
| | SO | 21 | 3182 | 2928 | 2421 | 3338 | 3045 | 2440 | 3475 | 3084 | 2460 | Lumens |
| | | | 152 | 139 | 115 | 159 | 145 | 116 | 165 | 147 | 117 | LPW |
| | SOLND | 21 | 2850 | 2623 | 2168 | 2990 | 2728 | 2186 | 3113 | 2763 | 2203 | Lumens |
| | | | 136 | 125 | 103 | 142 | 130 | 104 | 148 | 132 | 105 | LPW |
| | WD | 21 | 3098 | 2851 | 2357 | 3250 | 2965 | 2376 | 3383 | 3003 | 2395 | Lumens |
| | | | 148 | 136 | 112 | 155 | 141 | 113 | 161 | 143 | 114 | LPW |

| Lumens | Distribution | Input Watts ‡ | 3000K | | | 4000K | | | 5000K | | | |
|--------|--------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | 70CRI | 80CRI | 90CRI | 70CRI | 80CRI | 90CRI | 70CRI | 80CRI | 90CRI | |
| 5000LM | FWD | 35 | 4851 | 4465 | 3691 | 5090 | 4643 | 3720 | 5298 | 4703 | 3750 | Lumens |
| | | | 139 | 128 | 105 | 145 | 133 | 106 | 151 | 134 | 107 | LPW |
| | LND | 35 | 4597 | 4230 | 3497 | 4822 | 4399 | 3525 | 5020 | 4456 | 3553 | Lumens |
| | | | 131 | 121 | 100 | 138 | 126 | 101 | 143 | 127 | 102 | LPW |
| | MD0 | 35 | 5169 | 4757 | 3932 | 5423 | 4947 | 3964 | 5645 | 5011 | 3996 | Lumens |
| | | | 148 | 136 | 112 | 155 | 141 | 113 | 161 | 143 | 114 | LPW |
| | MDU5 | 35 | 5146 | 4735 | 3914 | 5398 | 4925 | 3946 | 5619 | 4988 | 3978 | Lumens |
| | | | 147 | 135 | 112 | 154 | 141 | 113 | 161 | 143 | 114 | LPW |
| | MDU5FR | 35 | 4600 | 4233 | 3499 | 4826 | 4402 | 3527 | 5023 | 4459 | 3556 | Lumens |
| | | | 131 | 121 | 100 | 138 | 126 | 101 | 144 | 127 | 102 | LPW |
| | SO | 35 | 5421 | 4988 | 4124 | 5687 | 5188 | 4157 | 5920 | 5254 | 4190 | Lumens |
| | | | 155 | 143 | 118 | 162 | 148 | 119 | 169 | 150 | 120 | LPW |
| | SOLND | 35 | 4856 | 4468 | 3694 | 5094 | 4647 | 3724 | 5303 | 4707 | 3754 | Lumens |
| | | | 139 | 128 | 106 | 146 | 133 | 106 | 152 | 134 | 107 | LPW |
| | WD | 35 | 5278 | 4857 | 4015 | 5537 | 5051 | 4047 | 5764 | 5116 | 4080 | Lumens |
| | | | 151 | 139 | 115 | 158 | 144 | 116 | 165 | 146 | 117 | LPW |

| Lumens | Distribution | Input Watts ‡ | 3000K | | | 4000K | | | 5000K | | | |
|--------|--------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | 70CRI | 80CRI | 90CRI | 70CRI | 80CRI | 90CRI | 70CRI | 80CRI | 90CRI | |
| 8000LM | FWD | 58 | 7750 | 7132 | 5896 | 8131 | 7417 | 5943 | 8463 | 7513 | 5991 | Lumens |
| | | | 134 | 123 | 102 | 140 | 128 | 102 | 146 | 130 | 103 | LPW |
| | LND | 58 | 7344 | 6758 | 5586 | 7704 | 7028 | 5632 | 8019 | 7118 | 5677 | Lumens |
| | | | 127 | 117 | 96 | 133 | 121 | 97 | 138 | 123 | 98 | LPW |
| | MD0 | 58 | 8258 | 7599 | 6282 | 8663 | 7903 | 6333 | 9018 | 8005 | 6384 | Lumens |
| | | | 142 | 131 | 108 | 149 | 136 | 109 | 155 | 138 | 110 | LPW |
| | MDU5 | 58 | 8220 | 7564 | 6253 | 8623 | 7867 | 6304 | 8976 | 7968 | 6354 | Lumens |
| | | | 142 | 130 | 108 | 149 | 136 | 109 | 155 | 137 | 110 | LPW |
| | MDU5FR | 58 | 7348 | 6762 | 5590 | 7709 | 7033 | 5635 | 8025 | 7123 | 5680 | Lumens |
| | | | 127 | 117 | 96 | 133 | 121 | 97 | 138 | 123 | 98 | LPW |
| | SO | 58 | 8660 | 7969 | 6588 | 9085 | 8288 | 6641 | 9457 | 8394 | 6694 | Lumens |
| | | | 149 | 137 | 114 | 157 | 143 | 115 | 163 | 145 | 115 | LPW |
| | SOLND | 58 | 7757 | 7139 | 5901 | 8138 | 7424 | 5949 | 8471 | 7519 | 5996 | Lumens |
| | | | 134 | 123 | 102 | 140 | 128 | 103 | 146 | 130 | 103 | LPW |
| | WD | 58 | 8432 | 7759 | 6414 | 8845 | 8069 | 6466 | 9208 | 8173 | 6518 | Lumens |
| | | | 145 | 134 | 111 | 153 | 139 | 111 | 159 | 141 | 112 | LPW |

| Notes ‡ | |
|---------------------------|--|
| Input Watts | 120 volts. |
| Operating Characteristics | Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C. |

Operating Characteristics ‡

| Lumens | Distribution | Input Watts ‡ | 3000K | | | 4000K | | | 5000K | | | |
|---------|--------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | 70CRI | 80CRI | 90CRI | 70CRI | 80CRI | 90CRI | 70CRI | 80CRI | 90CRI | |
| 10000LM | FWD | 74 | 9796 | 9014 | 7452 | 10276 | 9375 | 7512 | 10697 | 9495 | 7572 | Lumens |
| | | | 132 | 122 | 101 | 139 | 127 | 102 | 145 | 128 | 102 | LPW |
| | LND | 74 | 9281 | 8541 | 7061 | 9737 | 8883 | 7118 | 10136 | 8997 | 7175 | Lumens |
| | | | 125 | 115 | 95 | 132 | 120 | 96 | 137 | 122 | 97 | LPW |
| | MD0 | 74 | 10437 | 9605 | 7940 | 10950 | 9989 | 8004 | 11398 | 10117 | 8068 | Lumens |
| | | | 141 | 130 | 107 | 148 | 135 | 108 | 154 | 137 | 109 | LPW |
| | MDU5 | 74 | 10389 | 9561 | 7904 | 10899 | 9943 | 7967 | 11345 | 10071 | 8031 | Lumens |
| | | | 140 | 129 | 107 | 147 | 134 | 108 | 153 | 136 | 109 | LPW |
| | MDU5FR | 74 | 9287 | 8547 | 7065 | 9743 | 8889 | 7122 | 10142 | 9003 | 7179 | Lumens |
| | | | 126 | 116 | 95 | 132 | 120 | 96 | 137 | 122 | 97 | LPW |
| | S0 | 74 | 10945 | 10072 | 8326 | 11482 | 10475 | 8393 | 11952 | 10609 | 8461 | Lumens |
| | | | 148 | 136 | 113 | 155 | 142 | 113 | 162 | 143 | 114 | LPW |
| | SOLND | 74 | 9804 | 9022 | 7458 | 10285 | 9383 | 7519 | 10707 | 9504 | 7579 | Lumens |
| | | | 132 | 122 | 101 | 139 | 127 | 102 | 145 | 128 | 102 | LPW |
| | WD | 74 | 10657 | 9807 | 8107 | 11180 | 10199 | 8172 | 11637 | 10330 | 8238 | Lumens |
| | | | 144 | 133 | 110 | 151 | 138 | 110 | 157 | 140 | 111 | LPW |

| Notes ‡ | |
|---------------------------|--|
| Input Watts | 120 volts. |
| Operating Characteristics | Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C. |

Ambient Temperature Ratings

| Mounting | OCC Sensor: SBGR | BTP Sensor: SBG BTP | Battery: BSL310HAZSB | Voltage | Lumens | | | | Supply Wire |
|---|------------------|---------------------|----------------------|---------|---------------|---------------|---------------|---------------|-------------|
| | | | | | 3000LM | 5000LM | 8000LM | 10000LM | |
| ARCH00 ARCH45 ARCH135 ARAPMM200 ARAPMM300 ARKL00 ARPTL00 ARPTLLP00 | N | N | N | Any | -40°C to 65°C | -40°C to 65°C | -40°C to 60°C | -40°C to 55°C | 90°C |
| | | | Y | 120-277 | 0°C to 40°C | 0°C to 40°C | 0°C to 35°C | 0°C to 35°C | 90°C |
| | | Y | N | Any | -40°C to 60°C | -40°C to 60°C | -40°C to 60°C | -40°C to 55°C | 90°C |
| | Y | N | N | Any | -40°C to 65°C | -40°C to 65°C | -40°C to 60°C | -40°C to 55°C | 90°C |
| | | | Y | 120-277 | 0°C to 40°C | 0°C to 40°C | 0°C to 35°C | 0°C to 35°C | 90°C |

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 (SO, 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 |

Emergency Lumen Output

| |
|---|
| <p>How to Estimate Delivered Lumens in Emergency Mode</p> <p>Use the formula below to estimate the delivered lumens in emergency mode</p> <p>Delivered Lumens = P x LPW</p> <p>P = Output power of emergency driver</p> <p>LPW = Lumen per watt rating of the luminaire. (See charts on page 7)</p> <p>The LPW rating is also available at Designlight Consortium</p> <p>P = 10 watts for BSL310HAZSB</p> |
|---|

Emergency Lumen Output Example - 10 Watt Battery

| Approximate Luminaire Efficacy | Approximate Lumens at 1 Minute | Approximate Lumens at 45 Minutes | Approximate Lumens at 90 Minutes |
|--------------------------------|--------------------------------|----------------------------------|----------------------------------|
| 100 LPW | 1000 | 1000 | 1000 |
| 110 LPW | 1100 | 1100 | 1100 |
| 120 LPW | 1200 | 1200 | 1200 |
| 130 LPW | 1300 | 1300 | 1300 |
| 140 LPW | 1400 | 1400 | 1400 |
| 150 LPW | 1500 | 1500 | 1500 |

Hazardous Compatibility

| Option Group | Options | Class I, Division 2 | Class II, Division 1 | Class II, Division 2 | Class III |
|--------------------|---|---------------------|----------------------|----------------------|-----------|
| Distribution | FWD, MD0, MDU5, MDU5FR, LND, WD | YES | YES | YES | YES |
| | SO, SOLND | YES | NO | YES | YES |
| Mounting | ARCH00, ARCH45, ARCH135, ARAPMM200, ARAPMM300 | YES | YES | YES | YES |
| | ARKL00, ARPTL00, ARPTLLP00 | YES | NO | YES | YES |
| Finish | DBXD, DGXD, DWHXD | YES | YES | YES | YES |
| Individual Sensors | SBGR10, SBGR10 P, SBGR10 D 3V | NO | NO | YES | YES |
| Bluetooth Sensors | SBG10 OCC BTP, SBG10 HL BTP, SBG10 ADC BTP, SBG10 ANL BTP | YES | NO | YES | YES |
| Emergency | BSL310HAZSB | YES | YES | YES | YES |
| Options | AO | NO | YES | YES | YES |
| | EMD | YES | YES | YES | YES |
| | UPS, UPSPXLW | YES | YES | YES | YES |
| | WGX, WGPXLW | YES | YES | YES | YES |

Marine/NEMA4X Compatibility

| Option Group | Options | Marine | NEMA4X |
|-------------------|---|--------|--------|
| Distribution | FWD, MD0, MDU5, MDU5FR, LND, WD | YES | YES |
| | SO, SOLND | NO | NO |
| Mounting | ARCH00, ARCH45, ARCH135, ARAPMM300, ARKL00, ARPTL00 | YES | YES |
| | ARAPMM200, ARPTLLP00 | YES | NO |
| Finish | DBXD | NO | NO |
| | DGXD | YES | YES |
| | DWHXD | YES | NO |
| Individual Sensor | SBGR10, SBGR10 P, SBGR10 D 3V | NO | NO |
| Bluetooth Sensor | SBG10 OCC BTP, SBG10 HL BTP, SBG10 ADC BTP, SBG10 ANL BTP | NO | NO |
| Emergency | BSL310HAZSB | NO | NO |
| Options | AO | YES | YES |
| | EMD | YES | YES |
| | UPS, UPSPXLW | YES | YES |
| | WGX, WGPXLW | YES | YES |

Zone Equivalency Markings

| NEC Protections | | | |
|-----------------|--|---|---|
| Area | Protection Techniques | Zone Equivalency Markings | |
| Class I | | | |
| Division 2 | Hermetically-sealed | CLASS I, DIV 2, GROUP D | CLASS I, ZONE 2 GROUP IIA |
| | Nonincendive | CLASS I, DIV 2, GROUP C | CLASS I, ZONE 2 GROUP IIB |
| | Non-sparking | CLASS I, DIV 2, GROUP B | CLASS I, ZONE 1 GROUP IIB PLUS HYDROGEN |
| | Purged/Pressurized (Type Z) | CLASS I, DIV 2, GROUP A & CLASS I, DIV 2, GROUP B | CLASS I, ZONE 2 GROUP IIC |
| | Any Class I, Division 1 technique | | |
| | Any Class I, Zone 0, 1, or 2 technique | | |
| Class II | | | |
| Division 1 | Intrinsic Safety | CLASS II, DIV 1 GROUP E, F, OR G | CLASS II ZONE 20 AND ZONE 21 |
| | Dust-ignitionproof | | |
| | Pressurized | | |
| Division 2 | Dust tight | CLASS II, DIV 2, GROUP F OR G | CLASS II, ZONE 22 |
| | Hermetically-sealed | | |
| | Nonincendive | | |
| | Pressurized | | |
| | Any Class II, Division 1 technique | | |
| Class III | | | |
| Division 1 | Intrinsic Safety | N/A | N/A |
| | Dust tight | | |
| | Hermetically-sealed | | |
| Division 2 | Nonincendive | N/A | N/A |
| | Any Class III, Division 1 technique | | |

Options and Accessories



SBGR Sensor



SBG BTP Sensor and BTP Smarthub Control Module



AO Adjustable Output