Luminaire L70-40watt LED -QTA/208-SFO-GN8TX-LMS120301

Description of Components:

Finial: Decorative cast 356 aluminum, mechanically assembled.

Hood: In an octagonal tapered shape, this hood is made of an one-piece cast 356 aluminum mechanically assembled to the luminaire.

Guard: In a octogonl tapered shape, this guard is a one-piece cast 356 aluminum mechanically assembled to the fitter.

Lens: Made of frosted clear polycarbonate assembled on the guard with brackets.

Optical System: (SE5, I.E.S. type V (symmetrical)) Cutoff optical system. Multi-faceted hydroformed aluminum reflector brightened and anodized, mechanically assembled on the luminaire.

Ballast: High power factor of 90%. Primary voltage 120/208/240/277 volts, connected to 208 volts. Pulse Start Type. Lamp starting capacity -20°F(-30°C) degrees. Assembled on a unitized removable tray with quick disconnect plug.

Access-Mechanism: Two-integrated hinges on hood with stopper and a captive screw shall offer access to the inside of the luminaire and to the lamp. An embedded memory-retentive gasket shall ensure weatherproofing.

Fitter: (SFO), Cast 356 aluminum c/w 4 set screws 3/8-16 UNC. Slip-fits on a 4"(102mm) outside diameter x 4" (102mm) long tenon.
Description of Components:

**Pole Shaft:** Shall be made from a aluminum tapered shaft 5 9/16" (141mm) to 4" (102mm), having a 0.250" (6.4mm) wall thickness, welded to the pole base/t a wire retainer inside top of pole.

**Joint Cover:** One-piece round joint cover made from cast 356 aluminum, welded to the pole shaft and to the base.

**Pole Base:** Shall be made from a 8 5/8" (218mm) round extruded 6061-T6 aluminum tubing base having a 0.148" (3.8mm) wall thickness, welded to both the bottom and top of the anchor plate.

**Maintenance Opening:** The pole shall have a 4" x 10" (102mm x 254mm) maintenance opening centered 25 1/4" (641mm) from the bottom of the anchor plate, complete with a weatherproof cast 356 aluminum cover and a copper ground lug.

**Base Cover:** Two pieces round base cover made from cast 356 aluminum, mechanically fastened with stainless steel screws.

**Pole Options:** (VPA) Vandalproof screw(s), Allen-type vandalproof screw(s), with pin-in-socket tamper-resistant head.
BOR80 / BOR80-W Technical Information

**BOR80**

- Diameter: 7 1/2" (191 mm)
- Height: 8 7/8" (225 mm)
- Mounting details: Bolt circle 12 1/2" (318 mm)

**BOR80-TBC1**

- Diameter: 7 1/2" (191 mm)
- Height: 4 1/16" (104 mm)
- Mounting details: Comes with 4 steel anchor bolts, 3/8" x 12", 4 nuts and 4 washers

**BOR80-TBC2**

- Diameter: 7 1/2" (191 mm)
- Height: 4 1/16" (104 mm)

Important: Do not obstruct space between anchor plate and concrete base

---

**Ordering Information**

<table>
<thead>
<tr>
<th>BOR80</th>
<th>BOR80-W</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 MPH medium</td>
<td>70 MPH medium</td>
</tr>
<tr>
<td>100 MPH medium</td>
<td>35 HPS medium</td>
</tr>
<tr>
<td>70 HPS medium</td>
<td>50 HPS medium</td>
</tr>
<tr>
<td>100 HPS medium</td>
<td>18FC</td>
</tr>
<tr>
<td>26FC</td>
<td>32FC</td>
</tr>
<tr>
<td>42FC</td>
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<table>
<thead>
<tr>
<th>BOR80</th>
<th>BOR80-W</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>20B</td>
</tr>
<tr>
<td>208</td>
<td>240</td>
</tr>
<tr>
<td>277</td>
<td>347</td>
</tr>
<tr>
<td>BOR1</td>
<td>BOR1B</td>
</tr>
<tr>
<td>BOR2</td>
<td>BOR4</td>
</tr>
<tr>
<td>BC1</td>
<td>BC2</td>
</tr>
<tr>
<td>BC3</td>
<td>BS</td>
</tr>
<tr>
<td>BC4</td>
<td>F5</td>
</tr>
<tr>
<td>BC5</td>
<td>GRI</td>
</tr>
<tr>
<td>BC6</td>
<td>PH1</td>
</tr>
<tr>
<td>BC7</td>
<td>VR8</td>
</tr>
</tbody>
</table>

**Options**

- 1 chain handle
- 2 chain handles at top
- 3 chain handles at top
- 4 chain handles

**Finish**

- BE2/TX
- BE6/TX
- BGR/TX
- BGR2/TX
- BK/TX
- BR/TX
- GN/TX
- GNC/TX
- GNC6/TX
- GNC8/TX
- GY3/TX
- RD2/TX
- RD4/TX
- WH/TX
- NP
- TG
- TS

---

1. Consult Lume's color chart.
2. Socket: C4442 (38V), C4453 (56 or 324 W), C4484 (44 W), triple tube compact fluorescent (lamp not included)
3. TBC and TBC2: Decorative Cover
4. DR: Duplex receptacle (120 V only)
5. FS: Fuse (Contact Lume)
6. GF: Duplex receptacle, ground fault interrupter (120 V only)
7. PH1: Photoelectric cell
8. VPA: Vandal proof screw
9. H: Variable height, from 15" (380 mm) to 48" (1220 mm), in 1" (25 mm)
BOR80 Bollards
BOR80 - BOR80-W

Characteristics

› Pedestrian scale

› Complements traditional style product families

› Tempered glass lens

› Diffusing louvers

› Manufactured from cast aluminum components

› Removable Ballast tray with quick disconnect plug

› Ease of maintenance

› Available with metal halide (MH), high pressure sodium (HPS) and compact fluorescent (CF) lamps
LIGHT BOLLARD

NOT TO SCALE

LUMEC BOLLARD
MODEL #: BORB80-240V-GN8TX-FS-GR-VP-TBC

CONCRETE BASE
FINISH GRADE
COLOR: UWM Standard (Dark Green)
COLOR #GN8TX
**INTENDED USE**
Achieve the lowest installed power density and operating costs while achieving every layer of light via the optimized general illumination distributions from the EVO family, and the high centerbeam accent layers from the highly flexible Incito family. The EVO and Incito families maintain consistent luminous apertures, dimming characteristics, and color quality to ensure the blending of families in common spaces renders an unparalleled, tailored visual experience.

**OPTICAL SYSTEM**
- Eleven optimized distribution patterns allow designers to achieve tailored effects.
- Self-flanged semi-specular or matte-diffuse, metal-clad lower reflector utilized in combination with a highly transmissive lens.
- Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides smooth and continuous transition from lensed source to the top of the reflector down to the bottom of the reflector.
- Field interchangeable optics.

**MECHANICAL SYSTEM**
- Light engine and driver are accessible from above or below ceiling.
- 16-gauge black painted steel mounting frame with mounting bars included.
- Post-installation adjustment possible from above or below ceiling.
- Galvanized steel junction box with hinged access cover and spring latch. Three combination 1/2"-34 and one 1/2" knockout for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.
- Accommodates up to 15s"-thick ceilings.

**FEATURES**
- Flangeless trim option includes proprietary Gotham mud ring enabling seamless integration into drywall applications. Mud ring ships separately.

**ELECTRICAL SYSTEM**
- IC-rated up to 1000 lumens.
- Solid-state LED light engine available in 2700 K, 3000 K, 3500 K or 4000 K color temperatures. CRI: 85 typical.
- eldLED ecoDrive 0-10V driver available with 10% dimming level.
- eldLED ecoDrive 0-10V driver available with 1% dimming level.
- eldLED SOLOdrive DALI driver available with <1% dimming level.
- eldLED POWERdrive DMX with RD (remote device management) available with <1% dimming level.
- >70% lumen maintenance at 60,000 hours.
- Tested in accordance with LM-79 and LM-80 standards.
- Emergency battery pack with remote test switch available.

**LISTINGS**
- Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling.

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

**EXAMPLE: ICG 30/20 4AR LD 200 120 EZB**

<table>
<thead>
<tr>
<th>Series</th>
<th>Color temperature</th>
<th>Nominal delivered lumen values</th>
<th>Aperture/Trim color</th>
<th>Trim Style</th>
<th>Finish</th>
<th>Beam</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICG</td>
<td>27/2700 K 30/3000 K</td>
<td>05 500 lumens 07 750 lumens</td>
<td>4AR Clear 4PR Pewter</td>
<td>Self-flanged FL Flangeless</td>
<td>LSS Semi-specular LD Matte diffuse</td>
<td>100° 15° beam angle 200° 20° beam angle 300° 30° beam angle 400° 35° beam angle</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Driver</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>EZ1</td>
<td>SF</td>
<td>Single fuse</td>
</tr>
<tr>
<td>277</td>
<td>EZ1</td>
<td>TR1</td>
<td>White painted flange</td>
</tr>
<tr>
<td>341</td>
<td>EZB</td>
<td>TRBL</td>
<td>Black painted flange</td>
</tr>
<tr>
<td>648</td>
<td>EDAB</td>
<td>ELR</td>
<td>Emergency battery pack with remote test switch</td>
</tr>
<tr>
<td></td>
<td>EDXB</td>
<td>CP</td>
<td>Chicago plastic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CR190</td>
<td>High CRI (90+)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NPSB8EZ</td>
<td>nLight® dimming pack controls 0-10V eldLED drivers.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NPSB8EZP</td>
<td>nLight® dimming pack controls 0-10V eldLED drivers.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LTVI11</td>
<td>LTVI ready to use with emergency circuit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RRL</td>
<td>RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands.</td>
</tr>
</tbody>
</table>

**ACCESSORIES**
- Order as separate catalog numbers (shipped separately)
- OPTC4 Additional optics for field installation.

**GOTHAM ARCHITECTURAL DOWNLIGHTING | P 800.315.4982 | gothamlighting.com**

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All dimensions are inches (centimeters) unless otherwise noted.

Overlap Trim: 5-7/16 [13.8] self-flanged
4-5/8 [11.7] flangeless

<table>
<thead>
<tr>
<th>LUMENS</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 1000</td>
<td>6 [15.2]</td>
</tr>
<tr>
<td>Up to 1500</td>
<td>7 [17.8]</td>
</tr>
<tr>
<td>Above 1500</td>
<td>8 [20.3]</td>
</tr>
</tbody>
</table>

nLight® Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/control/nlight for complete listing of nLight controls.

- **WallPod stations**
  - Model number: nPOD [color]
  - Occupancy sensors: Small motion 360°, ceiling (PIR / dual tech)
  - nCM 9 / nCM PCT 9

- **On/Off & Raise/Lower**
  - Model number: nPOD DX [color]
  - nCM 10 / nCM PCT 10

- **Graphic Touchscreen**
  - Model number: nPOD GFX [color]
  - nWV 16 / nWV PCT 16

- **Photocell controls**
  - Model number: nCOM ABCX
  - Wall Switch w/ Raise/Lower (PIR / dual tech)
  - nNSX LV DX / nNSX PCT LV DX
  - 10', CATS 12FT
  - 15', CATS 15FT

<table>
<thead>
<tr>
<th>NOMINAL DELIVERED LUMENS</th>
<th>Wattage</th>
</tr>
</thead>
<tbody>
<tr>
<td>4500</td>
<td>50 W</td>
</tr>
<tr>
<td>4000</td>
<td>43 W</td>
</tr>
<tr>
<td>3500</td>
<td>36 W</td>
</tr>
<tr>
<td>3000</td>
<td>39 W</td>
</tr>
<tr>
<td>2500</td>
<td>33 W</td>
</tr>
<tr>
<td>2000</td>
<td>23 W</td>
</tr>
<tr>
<td>1500</td>
<td>17 W</td>
</tr>
<tr>
<td>1250</td>
<td>12 W</td>
</tr>
<tr>
<td>1000</td>
<td>10 W</td>
</tr>
<tr>
<td>750</td>
<td>7 W</td>
</tr>
<tr>
<td>500</td>
<td>6 W</td>
</tr>
</tbody>
</table>

EL/ELR AVAILABILITY / COMPATIBILITY – Initial Lumens

<table>
<thead>
<tr>
<th>Product</th>
<th>Lumens</th>
<th>Watts</th>
<th>ELR</th>
<th>ELRHL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICO 4&quot;</td>
<td>500-4500</td>
<td>6-50</td>
<td>530</td>
<td>N/A</td>
</tr>
</tbody>
</table>

ORDERING NOTES

1. Not available with finishes.
2. Only available 1500lm and below.
3. Not available with ELR emergency option.
4. 1500lm and above only.
5. Not required for WR reflector. Not applicable with FL option.
7. Must specify 120 or 277V. Not available with 347V.
8. Above ceiling access required for use with ELR option
9. For use with generator supply EM power. Will require an emergency hot feed and normal hot feed
10. Shipped installed from the factory.
11. Must specify desired optical distribution from available options in “Beam” option column in the ordering tree. i.e. OPTC4 20D.
Choose Wall Controls. nLIGHT® offers multiple styles of wall controls – each with varying features and user experience.

Push-Button WallPod
Traditional tactile buttons and LED user feedback

Graphic WallPod
Full color touch screen provides a sophisticated look and feel

EXAMPLE
Group Fixture Control
*Application diagram applies for fixtures with eloLED drivers only.

nPS 80 EZ Dimming/Control Pack (qty 2 required)
nPODM 2P DX Dual On/Off/Dim Push-Button WallPod
nCM ADCX Daylight Sensor with Automatic Dimming Control
nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.

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 when ordered with drivers marked by a shaded background
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background

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

*See ordering tree for details
Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

ARC2 delivers up to 6,500 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. It offers integrated emergency battery backup options, including an 8W cold temperature option, making it suitable for pedestrian scale applications in any environment.

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>Standard CCT (°C)</th>
<th>Cool (°C)</th>
<th>P1</th>
<th>P2</th>
<th>P3</th>
<th>P4</th>
<th>P5</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC1 LED</td>
<td>4W</td>
<td>--</td>
<td>1,500</td>
<td>2,000</td>
<td>3,000</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>ARC2 LED</td>
<td>4W, 8W</td>
<td>1,500</td>
<td>2,000</td>
<td>3,000</td>
<td>4,000</td>
<td>6,500</td>
<td></td>
</tr>
</tbody>
</table>

**Ordering Information**

**EXAMPLE:** ARC2 LED P2 40K MVOLT PE DDBXD

<table>
<thead>
<tr>
<th>Series</th>
<th>Luminaire</th>
<th>CCT</th>
<th>Voltage</th>
<th>Options</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>ARC1 LED</td>
<td>3000K</td>
<td>MVOLT</td>
<td>EBWH, E8WC</td>
<td>DDBXD (Dark bronze)</td>
</tr>
<tr>
<td>P2</td>
<td>ARC1 LED</td>
<td>4000K</td>
<td>MVOLT</td>
<td>EBWH, E8WC</td>
<td>DDBXD (Dark bronze)</td>
</tr>
<tr>
<td>P3</td>
<td>ARC1 LED</td>
<td>5000K</td>
<td>MVOLT</td>
<td>EBWH, E8WC</td>
<td>DDBXD (Dark bronze)</td>
</tr>
<tr>
<td>P4</td>
<td>ARC2 LED</td>
<td>3000K</td>
<td>MVOLT</td>
<td>EBWH, E8WC</td>
<td>DDBXD (Dark bronze)</td>
</tr>
<tr>
<td>P5</td>
<td>ARC2 LED</td>
<td>4000K</td>
<td>MVOLT</td>
<td>EBWH, E8WC</td>
<td>DDBXD (Dark bronze)</td>
</tr>
</tbody>
</table>

**NOTES**

1. 34V not available with EBWH, EBWC and SPD6KV
2. FAO not available with DMG.
## Lumen Output
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

| Performance Package | System Code | Lumen | 130°F | 32°F | 0°C | 25°C | 50°C | 77°F | 104°F | 150°F | 147°F | 136°F | 129°F | 130°F | 148°F | 151°F | 144°F | 136°F | 128°F | 122°F | 140°F | 135°F | 142°F | 150°F | 147°F | 136°F | 129°F | 130°F |
|---------------------|-------------|-------|-------|------|-----|------|------|------|-------|-------|-------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| P1                  | 11W         | 1,502 | 142   | 0    | 0   | 1    | 1,587| 150  | 0     | 0     | 1     | 1,598 | 151  | 0    | 0    | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| P2                  | 16W         | 2,250 | 140   | 0    | 0   | 1    | 2,377| 147  | 0     | 0     | 1     | 2,393 | 148  | 0    | 0    | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| P3                  | 24W         | 3,206 | 135   | 0    | 0   | 1    | 3,387| 143  | 0     | 0     | 1     | 3,410 | 144  | 0    | 0    | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| P4                  | 30W         | 3,903 | 128   | 1    | 0   | 1    | 4,124| 136  | 1     | 0     | 1     | 4,152 | 136  | 1    | 0    | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| P5                  | 51W         | 6,260 | 122   | 1    | 0   | 1    | 6,615| 129  | 1     | 0     | 1     | 6,659 | 130  | 1    | 0    | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |

## Electrical Load

<table>
<thead>
<tr>
<th>Performance Package</th>
<th>System Code</th>
<th>Current (A) 0°C</th>
<th>Current (A) 25°C</th>
<th>Current (A) 50°C</th>
<th>Current (A) 77°F</th>
<th>Current (A) 104°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>11W</td>
<td>0.090</td>
<td>0.055</td>
<td>0.046</td>
<td>0.045</td>
<td>0.044</td>
</tr>
<tr>
<td>P2</td>
<td>16W</td>
<td>0.141</td>
<td>0.081</td>
<td>0.072</td>
<td>0.064</td>
<td>0.059</td>
</tr>
<tr>
<td>P3</td>
<td>24W</td>
<td>0.202</td>
<td>0.117</td>
<td>0.103</td>
<td>0.091</td>
<td>0.079</td>
</tr>
<tr>
<td>P4</td>
<td>30W</td>
<td>0.280</td>
<td>0.162</td>
<td>0.144</td>
<td>0.128</td>
<td>0.095</td>
</tr>
<tr>
<td>P5</td>
<td>51W</td>
<td>0.471</td>
<td>0.272</td>
<td>0.239</td>
<td>0.212</td>
<td>0.158</td>
</tr>
</tbody>
</table>

## Lumen Output in Emergency Mode (4000K, 80 CRI)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lumen</th>
</tr>
</thead>
<tbody>
<tr>
<td>E4WH</td>
<td>693</td>
</tr>
<tr>
<td>EBWC</td>
<td>1,413</td>
</tr>
</tbody>
</table>

## Lumen Ambient Temperature (LAT) Multipliers
Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

<table>
<thead>
<tr>
<th>Ambient</th>
<th>Lumen Multiplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°C</td>
<td>1.04</td>
</tr>
<tr>
<td>10°C</td>
<td>1.03</td>
</tr>
<tr>
<td>20°C</td>
<td>1.01</td>
</tr>
<tr>
<td>25°C</td>
<td>1.00</td>
</tr>
<tr>
<td>30°C</td>
<td>0.99</td>
</tr>
<tr>
<td>40°C</td>
<td>0.97</td>
</tr>
</tbody>
</table>

## Projected LED Lumen Maintenance
Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLE, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

<table>
<thead>
<tr>
<th>Operating Hours</th>
<th>0</th>
<th>25,000</th>
<th>50,000</th>
<th>100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumen Maintenance Factor</td>
<td>1.0</td>
<td>&gt;0.96</td>
<td>&gt;0.93</td>
<td>&gt;0.88</td>
</tr>
</tbody>
</table>

## Photometric Diagrams
To see complete photometric reports or download .jed files for this product, visit the Lithonia Lighting ARC LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.
Emergency Battery Backup
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode.

Grid = 10 ft x 10 ft

ARC2 LED 40K MVOLT E4WH
ARC2 LED 40K MVOLT E8WC
Self-contained solution for clean aesthetic

Mounting, Options & Accessories

E4WH and E8WC – Emergency Battery Backup
D = 6.5”
H = 5”
W = 11”

BBW – Standard Back Box
D = 1.5”
H = 4”
W = 5.5”
For surface conduit applications. 3/4” conduit entry holes

FEATURES & SPECIFICATIONS

INTENDED USE
The clean architectural shape of the ARC LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long-life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION
The die-cast aluminum housing and door act as heat sinks to optimize thermal transfer from the light engine and driver to promote long-life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH
Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Recessed lens to cut off high angle light and reduce glare. Combination of diffused lens and reflector design has low surface brightness creating a visually comfortable environment with great distribution. LEDs are fully hidden from view to eliminate pixilation and harsh glare. The ARC LED has zero uplight and qualifies as a Nighttime Friendly product, meaning it is consistent with the LEED® and Green Globes® criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine consists of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long-life (up to 100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire is 0-10V dimmable.

INSTALLATION
The universal wall plate, supplied with the luminaire, fits multiple size junction boxes and supports it during wiring for easy installation. Built-in wet location wiring compartment on the luminaire to accommodate wiring connections for applications with no junction box. Design can withstand up to a 1.5 g vibration load rating per ANSI C136.31.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. 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.designlightscouncil.org for verification. International DarkSky Association (IDA) Fixture Seal of approval (PSA) is available for all products on this page utilizing 3000K color temperature only. Rated for -40°C minimum ambient.

WARRANTY
5-year limited warranty. Complete warranty terms located at: www.lithonia.com/lit/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.