ARM.125

Specification Sheet

An arm mounted fixture for wall washing, task lighting, and general illumination.

FEATURES

- Wall or ceiling mounting.
- Field rotatable up to 290° degrees.
- Static white and variable white options.

PART NUMBER BUILDER

<table>
<thead>
<tr>
<th>SERIES</th>
<th>DIAMETER</th>
<th>FINISH</th>
<th>COLOR</th>
<th>AIMING</th>
<th>ARM LENGTH</th>
<th>CANOPY</th>
<th>TYPE</th>
<th>WATTAGE</th>
<th>DIMMING</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARM = Arm</td>
<td>Ø1.25”</td>
<td>SL = Satin Silver</td>
<td>18 = 1800K</td>
<td>CW1 = Ceiling/Wall, facing towards mounting surface</td>
<td>LR = Large Round</td>
<td>SI = Single</td>
<td>20 = FLEX STP 2.0</td>
<td>PDCL = Pure DC® Lite</td>
<td>XX = Custom Length (Inches)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>BZ = Deep Bronze</td>
<td>23 = 2250K</td>
<td></td>
<td>004 (ADA) = 4”, max extension for ADA in wall configuration</td>
<td>010 = 0-10V System Dimming</td>
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<tr>
<td></td>
<td></td>
<td>MB = Matte Black</td>
<td>25 = 2550K</td>
<td></td>
<td>006 = 6”</td>
<td>010 = 0-10V System Dimming</td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td>Anodized</td>
<td>27 = 2750K</td>
<td></td>
<td>012 = 12”</td>
<td>VIN = Vintage Dim® System 0-10V Dimming1</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>29 = 2930K</td>
<td></td>
<td>024 = 24”</td>
<td>PDC = Pure DC™ Dimming</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>35 = 3550K</td>
<td></td>
<td></td>
<td>DMX = DMX Dimming System</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>1835 = Variable White 1800K + 3550K</td>
<td></td>
<td></td>
<td>LN2 = Lutron Hi-Lume® A-Series 2-Wire Dimming</td>
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<td></td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>1865 = Variable White 1800K + 6500K</td>
<td></td>
<td></td>
<td>LN3 = Lutron Hi-Lume® A-Series 3-Wire/Ecosystem Dimming</td>
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<td></td>
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<td></td>
<td></td>
<td>LNP = Lutron Hi-Lume® Premier 3-Wire/Ecosystem Dimming</td>
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</tr>
</tbody>
</table>

Note: All White and Variable White Colors are JA8 2016 when used with 0-10V, DMX, Lutron A-Series (LN2), Lutron Premier (LN3) or Vintage Dim® (VIN) dimming.

1. Special order finishes. Additional charges and longer lead times may apply.
2. Cannot be used with Variable White.
3. Must be selected for 1835 & 1865 color options

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**FUNCTIONALITY**

**AIMING OPTIONS**  
(See PN Builder for details)

![CW1](image1.png)  
CW1  
![CW2](image2.png)  
CW2

**BLENDING/PHOTOMETRICS**

![Lens Blending](image3.png)  
Lens Blending  
![Beam Angle](image4.png)  
Beam Angle

**CANOPY OPTIONS**

- **Large Round Canopy**  
  Ø 5.00"  
  Mounts to a standard 4" octogonal junction box. Power connection made in box.

- **Small Round Canopy**  
  Ø 2.00"  
  Mounts directly to wall. 10' CL2P/CMP wire lead included for connection to remote driver.

- **Large Square Canopy**  
  5.00"  
  Mounts to a standard 4" octogonal junction box. Power connection made in box.

- **Small Square Canopy**  
  2.00"  
  Mounts directly to wall. 10' CL2P/CMP wire lead included for connection to remote driver.

**ELECTRICAL**

- **Input Voltage**  
  24VDC

- **Dimming Options**
  - PURE DC™
  - MLV
  - 0-10V
  - VintageDim®
  - DMX
  - Lutron (2-WIRE, 3-WIRE, EcoSystem)

- **Wire Size**
  18AWG, 2 wire; 20AWG, 3 wire

- **Certification**
  ETL - Conforms to UL Std. 2108; Certified to CSA Std. C22.2 No. 9.0.  
  Title 24 - All White and Variable White Colors are JA8 2016 when used with 0-10V, DMX, Lutron A-Series (LN2), Lutron Premier (LN3) or VintageDim® (VIN) dimming.

**PERFORMANCE**

- **CRI**
  1800K = 90+, 2350-3550K = 95+

- **Binning Tolerance**
  +/- 100K

- **Average LED Life**
  50,000 L70

- **Warranty**
  5 years

**DELIVERED LUMENS**

<table>
<thead>
<tr>
<th>Wattage</th>
<th>2.0W</th>
<th>4.0W</th>
<th>7.3W</th>
</tr>
</thead>
<tbody>
<tr>
<td>1800K</td>
<td>106.00 lm/ft²</td>
<td>208.00 lm/ft²</td>
<td>306.60 lm/ft²</td>
</tr>
<tr>
<td>2350K</td>
<td>134.00 lm/ft²</td>
<td>272.00 lm/ft²</td>
<td>408.80 lm/ft²</td>
</tr>
<tr>
<td>2750K</td>
<td>174.00 lm/ft²</td>
<td>324.00 lm/ft²</td>
<td>467.20 lm/ft²</td>
</tr>
<tr>
<td>2950K</td>
<td>166.00 lm/ft²</td>
<td>320.00 lm/ft²</td>
<td>489.10 lm/ft²</td>
</tr>
<tr>
<td>3550K</td>
<td>162.00 lm/ft²</td>
<td>328.00 lm/ft²</td>
<td>496.40 lm/ft²</td>
</tr>
</tbody>
</table>

**Lens Blending Beam Angle**

- CW1: 290º
- CW2: 115.2º

**LED Options**

- **5.8W - 1800K-3550K**
  - Both colors at 100% (2829K)
  - 1800K only
  - 3550K only
  - 284.00 lm/ft²
  - 113.60 lm/ft²
  - 175.20 lm/ft²

- **5.8W - 1800K-6500K**
  - Both colors at 100% (2829K)
  - 1800K only
  - 3550K only
  - 284.00 lm/ft²
  - 113.60 lm/ft²
  - 168.80 lm/ft²

**Note:** Stated lumen values have a tolerance of +/- 10%.

7: JA8 2016 when used with 0-10V, DMX, or Lutron Premier dimming.

8: JA8 when used with DMX or VintageDim® (VIN) dimming.

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**TYPES**

1. **Single** - Maximum overall length of 6.33' (6.00' luminous length).

   ![Single Diagram](image1)

2. **Continuous Row Mount**
   - Unlimited run length with power refeeds
   - Feed accessories provided as needed
   - All sections built to equal length as standard.
   - Contact factory for custom options.

   ![Continuous Row Mount Diagram](image2)

3. **Center Mount**
   - Maximum overall length of 3.18' (1.50' luminous length per side)

   ![Center Mount Diagram](image3)
WIRING DIAGRAMS

LARGE ROUND CANOPY

- Wire nuts connecting Fixture Lead to Home Run
- Home Run Wire (By Others)
- Wire run in conduit (by others) per applicable codes
- Fixture Lead Wire
- Junction Box
- 120 VAC Remote Driver

SMALL ROUND CANOPY

- 10' integral CL2P Wire Lead
- 120 VAC Remote Driver
**PURE DC™ MLV (PDC)**

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDC.40.24</td>
<td>40W 120/277VAC PURE DC™ MLV DIMMABLE DRIVER</td>
</tr>
<tr>
<td>PDC.96.24</td>
<td>96W 120/277VAC PURE DC™ MLV DIMMABLE DRIVER</td>
</tr>
</tbody>
</table>

**DIMENSIONS**
- 40W: L 14.25”; W 3.00”; H 2.88”
- 96W: L 14.75”; W 4.31”; H 4.81”

**DIMMING PERFORMANCE**
- PURE DC™ DRIVER
  - Dims to 0.1% on most MLV dimmers

**PURE DC® LITE (PDCL)**

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDCL.30.24</td>
<td>30W 100-277VAC DIMMABLE DRIVER</td>
</tr>
<tr>
<td>PDCL.60.24</td>
<td>60W 100-277VAC DIMMABLE DRIVER</td>
</tr>
<tr>
<td>PDCL.96.24</td>
<td>96W 100-277VAC DIMMABLE DRIVER</td>
</tr>
</tbody>
</table>

**DIMENSIONS**
- PDCL.30.24: H 1.81”; W 6.50”; D 3.62”
- PDCL.60.24: H 1.81”; W 7.40”; D 3.62”
- PDCL.96.24: H 1.81”; W 8.66”; D 3.66”

**DIMMING PERFORMANCE**
- PURE DC® LITE DRIVER
  - Dims to 1% on most MLV dimmers

**NOTE:** Must be loaded at least 10% of rated load to obtain optimal dimming.

**120 VAC WIRING**

**277 VAC WIRING**
**COMPATIBLE DRIVERS**

**ELECTRONIC DRIVER - NON-DIM (ND)**

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>GG100E-24-UNV</td>
<td>96W 120-277VAC ELECTRONIC DRIVER</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

Electronic Driver

- H: 3.00"; W: 11.46"; D: 1.30"

**DIMMING PERFORMANCE**

Electronic Driver

- Non-Dim

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**ELECTRONIC DRIVER W/0-10V MODULE (010)**

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>GG100E-24-UNV-010V</td>
<td>96W 120-277VAC ELECTRONIC DRIVER WITH 0-10V DIMMING MODULE (SINK)</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

Electronic Driver - 0-10V

- H: 3.00"; W: 11.46"; D: 1.30"

**DIMMING PERFORMANCE**

Electronic Driver - 0-10V

- Dims below 1% on most 0-10V dimmers

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**FIELD INSTALLED IN LOW VOLTAGE WIRING COMPARTMENT**

- Install DIM-010V Module in low voltage wiring compartment.
- Max number of 25 modules on one dimmer. Consult dimmer datasheet for maximum device limitation of a specific controller.

**VIOLET WIRE TO 0-10V CONTROLLER**

**YELLOW WIRE TO LED**

**BLACK WIRE TO DC OUTPUT OF DRIVER**

**RED WIRE TO DC OUTPUT OF DRIVER**

**BLUE WIRE TO LED**

**GRAY WIRE TO 0-10V CONTROLLER**
COMPATIBLE DRIVERS

ELECTRONIC DRIVER W/DMX MODULE (DMX)

- GG100E-24-UNV-DMX
- GG100E-24-UNV-W
- GG100E-24-UNV-C

FIELD INSTALLED IN LOW VOLTAGE WIRING COMPARTMENT
- Install VintageDim® Module in low voltage wiring compartment.
- Consult dimmer datasheet for maximum device limitation of a specific controller.

ELECTRONIC DRIVER W/VintageDim® MODULE (VIN)

- GG100E-24-UNV-W
- GG100E-24-UNV-C

For more options to wire DMX module, reference DMX System cut sheet.
**DIMMER WITH NEUTRAL**

- **LUTRON HI-LUME® 1% 2-WIRE**
  - 2-WIRE CONTROL FORWARD PHASE
  - Dims to 1% with compatible Lutron controls

**DIMENSIONS**

- **LUTRON HI-LUME® 1% 2-WIRE**
  - H 4.00", W 4.89", D 2.62"

**DIMMING PERFORMANCE**

- **LUTRON HI-LUME® 1% 2-WIRE**
  - Dims to 1% with compatible Lutron controls

**DIMMER WITHOUT NEUTRAL**

- **LUTRON HI-LUME® 1% 2-WIRE**
  - 2-WIRE CONTROL FORWARD PHASE
  - Dims to 1% with compatible Lutron controls
**COMPATIBLE DRIVERS**

### 3-WIRE

![3-WIRE Diagram]

**LUTRON HI-LUME® 1% (LN3):**
3-WIRE/ECOSYSTEM

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>L3DA4U1UKL-CV240</td>
<td>5-40W, 120-277VAC, 3-WIRE/ECOSYSTEM DRIVER</td>
</tr>
</tbody>
</table>

### DIMENSIONS

| LUTRON HI-LUME® 1% 3-WIRE/ECOSYSTEM | H 4.00"; W 4.89"; D 2.62" |

### DIMMING PERFORMANCE

| LUTRON HI-LUME® 1% 3-WIRE/ECOSYSTEM | Dims to 1% with compatible Lutron controls |

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**ECOSYSTEM**

![ECOSYSTEM Diagram]

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COMPATIBLE DRIVERS

3-WIRE

LUTRON HI-LUME® PREMIER DRIVER

LUTRON HI-LUME® PREMIER (LNP):
3-WIRE/ECOSYSTEM

PART | DESCRIPTION
---|---
L3D0-96W24V-U | 2-96W, 120-277VAC, 3-WIRE/ECOSYSTEM DRIVER

DIMENSIONS

LUTRON HI-LUME® PREMIER | H 5.5", W 10.5", D 2.0"

DIMMING PERFORMANCE

LUTRON HI-LUME® PREMIER | Dims to 0.1% with compatible Lutron controls

NOTE: Lutron soft-on, fade to black technology available with Ecosystem Digital Control only.

ECOSYSTEM

LUTRON HI-LUME® PREMIER DRIVER
(WITH ECOSYSTEM CONTROL & SOFT-ON FADE TO BLACK TECHNOLOGY)

TO ECOSYSTEM DIGITAL LINK

120-277 VAC