FLEX DC® SIDE EMITTING projects light sideways instead of perpendicular to the surface. It’s a great choice for bending around curved surfaces when upward or downward projection of light is desired.

ELECTRICAL

| Input Voltage | 24VDC |
| Dimming Options | • PURE DC™
| | • MLV
| | • 0-10V
| | • DMX
| | • Lutron (2-WIRE, 3-WIRE, EcoSystem) |
| Power Consumption | 2.9 Watts per foot |
| Wire Size | 20AWG, 2 wire |
| Certification | ETL - Conforms to UL Std. 2108; Certified to CSA Std. C22.2 No. 9.0 |

PHYSICAL

| Field Cuttable | Every 1.97” |
| Operating Temperature | -40°C (-40°F) to +70°C (+158°F) |
| Environment | IP40 - Dry Location
| | IP67 - Wet Location |
| Maximum Run Length | IP40: 33’, IP67: 33’ |
| Dimensions (WxH) | IP40: 0.39” (10.0mm) x 0.05” (1.4mm)
| | IP67: 0.42” (11.0mm) x 0.16” (4.5mm)
| | IP67 Endcaps: 0.50” (12.70mm) x 0.31” (7.87mm) |

PERFORMANCE

| Lumen Maintenance | 50,000 Hours |
| Binning Tolerance | +/- 150K |
| Warranty | 5 years |

CONFIGURATION

- • LED Bottom + Lead Left
- • LED Bottom + Lead Right
- • LED Top + Lead Left
- • LED Top + Lead Right

PART NUMBER BUILDER

| SERIES | IP RATING | COLOR | VOLTAGE | WATTAGE | LED POSITION | CONFIG. | LENGTH |
| FLEXSIDE | 40 = IP40 - Dry Location
| | 67 = IP67 - Wet Location |
| 27 = 2700K | 30 = 3000K | 60 = 6000K |
| 24 = 24VDC | 29 = 2.9W |
| LT = LED Top |
| LB = LED Bottom |
| LL = Lead Left |
| LR = Lead Right |
| FLEXMNT.SIL.INT, FLEXMNT.SIL.EXT12 |
| LC-I2P-M, LC-I2P-F, LC-O2P-F, LC-O2P-M |

Note: Stated lumen values have a tolerance of +/- 10%.
Optic Arts® cuts all FLEXDC® and Channel products to length per customer specifications. Each length of FLEXDC® is fitted with a 6’ wire lead (custom lengths available upon request) and packaged on a reel in an anti-static bag. Bags are labeled with fixture type, length and location (if applicable).

Each piece of channel is labeled with fixture type, length and location (if applicable), and is bundled by fixture type.

**INDOOR FLEX DC® SE**

- Width: 0.39” (10.0mm)
- Height: 0.05” (1.4mm)
- Cuttable Segment Length: 1.97” (50.00mm)
- Pitch Length: 0.33” (8.25mm)
- Max Run Length: 33.00’ (10058.40mm)

**OUTDOOR FLEX DC® SE**

- Width: 0.42” (11.0mm)
- Height: 0.16” (4.50mm)
- Width (Endcap): 0.39” (12.70mm)
- Height (Endcap): 0.32” (7.94mm)
- Max Run Length: 33.00’ (10058.40mm)

*Encased in silicone

• Due to the nature of the FLEXDC® product, specific lengths may not fall exactly on a cutting point. In this case, Optic Arts® will always cut to the smaller dimension unless otherwise specified.
• Unless otherwise specified, channel is cut 15mm longer than FLEXDC®.
• Some on-site assembly required. See installation guides for details.
ACCESSORIES

**LC-I2P-M**
Indoor Lead Connector (Male)

**LC-I2P-F**
Indoor Lead Connector (Female)

**LC-O2P-M**
Outdoor Lead Connector (Male)

**LC-O2P-F**
Outdoor Lead Connector (Female)

**FLEX.ZIP**
Strain Relief Clip

**FLEXMNT.SIL.INT**
Indoor Mounting Clip

**FLEXMNT.SIL.EXT12**
Outdoor Mounting Clip
**CONFIGURATION TYPES**

1. **[NOT COMPATIBLE]** FLEX cut to length with FLEX Connect® Power Feeds for Field Termination, Channel uncut for field cutting
   - Specify FLEXConfig-1
   - Specify FLEX type and channel type
   - Flex is provided in full reels. Product is not cut to length.
   - Two FLEX Connect® power feed connector and 6' lead provided per FLEX run
     - Uncut rolls of lead wire can also be provided (see page 8 for part #)
   - Channel shipped uncut for field cutting.
   - Butt splices are offered in 5 units per pack.
   - IP68 not available in FLEXConfig-1
   - JA8 2016 not available in FLEXConfig-1
   - The below channels are NOT compatible with FLEX Connect®:
     - Small:
       - CH-SM-LS-SF (unless used with FLEX CONNECT AUXILIARY HOUSING)
       - CH-SM-LT-SF (unless used with FLEX CONNECT AUXILIARY HOUSING)
       - CH-SM-LS-RE
       - CH-SM-LT-RE
     - Corner:
       - CHS-C-1919
       - CHS-C-1616
     - Specialty:
       - CHC-S-1921
       - CHSP-R-2970
       - CHSP-S-1618
       - CHSP-STEP-8142

2. **Cut To Length With Soldered Leads, Assemble On-Site**
   - Specify FLEXConfig-2
   - Specify FLEX type and channel type
   - Specify run lengths
   - IP68 only available in FLEXConfig-2
   - Channel shipped uncut for field cutting.
   - Butt splices are offered in 5 units per pack.
   - Two FLEX Connect® power feed connector and 6' lead provided per FLEX run
   - Uncut rolls of lead wire can also be provided (see page 8 for part #)
   - If no config is specified, and run lengths are provided, FLEXConfig-2 will be used

3. **[NOT COMPATIBLE]** Pre-Assembled Factory Finished Fixtures
   - Specify FLEXConfig-3
   - Fully assembled fixture
   - ETL stamped and listed as a fixture
   - 7.0' max length
   - Standard 6' power lead unless otherwise specified
   - The below channels CANNOT be factory assembled:
     - Small:
       - CH-SM-LS-RE
       - CH-SM-LT-RE
     - Medium:
       - CH-MD-LS-RE
     - Large:
       - CHW-S-3030
     - Specialty:
       - CHW-S-2027
       - CHW-S-2623
       - CHW-S-3561

NOTES:
1. Due to the nature of the FLEX DC® product, specific lengths may not fall exactly on a cutting point. In this case, Optic Arts® will always cut to the smaller dimension unless otherwise specified.
2. Unless otherwise specified, channel is cut 15mm longer than FLEX DC®.
3. Some on-site assembly required. See installation guides for details.
**COMPATIBLE DRIVERS**

**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>

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PDCL.30.24</td>
<td>H 1.03&quot;; W 6.50&quot;; D 3.62&quot;</td>
</tr>
<tr>
<td>PDCL.60.24</td>
<td>H 1.03&quot;; W 7.40&quot;; D 3.62&quot;</td>
</tr>
<tr>
<td>PDCL.96.24</td>
<td>H 1.81&quot;; W 8.66&quot;; D 3.66&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DIMMING PERFORMANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PURE DC® LITE DRIVER</td>
</tr>
</tbody>
</table>

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

---

**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>

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>40W</td>
<td>L 14.25&quot;; W 3.00&quot;; D 2.98&quot;</td>
</tr>
<tr>
<td>96W</td>
<td>L 14.75&quot;; W 4.31&quot;; H 4.81&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DIMMING PERFORMANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PURE DC™ DRIVER</td>
</tr>
</tbody>
</table>

---

**ELECTRONIC DRIVER - NON-DIM**

<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>

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTRONIC DRIVER</td>
<td>H 3.00&quot;; W 11.46&quot;; D 1.30&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DIMMING PERFORMANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTRONIC DRIVER</td>
</tr>
</tbody>
</table>

---

Optic Arts reserves the right to modify this specification without prior notice.
Last Modified: September 18, 2019 5:50 PM

© Optic Arts 2018
### COMPATIBLE DRIVERS

<table>
<thead>
<tr>
<th>ELECTRONIC DRIVER - NON-DIM (ND)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PART</strong></td>
</tr>
<tr>
<td>GG100E-24-UNV-010V</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

**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.

**GRAY WIRE TO 0-10V CONTROLLER**
**VIOLET WIRE TO 0-10V CONTROLLER**
**BLACK WIRE TO DC - OUTPUT OF DRIVER**
**RED WIRE TO DC + OUTPUT OF DRIVER**
**BLUE WIRE TO LED -**
**YELLOW WIRE TO LED +**

### ELECTRONIC DRIVER W/DMX MODULE (DMX)

<table>
<thead>
<tr>
<th>ELECTRONIC DRIVER W/DMX MODULE (DMX)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PART</strong></td>
</tr>
<tr>
<td>GG100E-24-UNV-DMX</td>
</tr>
</tbody>
</table>

**DIMENSIONS**
- 96W
  - H 3.00"; W 11.46"; D 1.30"
- DMX MODULE
  - H 1.97"; W 6.02"; D 0.91"

*Must be installed in UL box (by others)*

**DIMMING PERFORMANCE**
- ELECTRONIC DRIVER - DMX MODULE Dims to 0.1% on most DMX systems

**FIELD INSTALLED IN LOW VOLTAGE WIRING COMPARTMENT**
- DMX MODULE

**24V DC**
**DMX in**
**DMX in +**
**DMX in -**
**DMX in shield**
**LEDSync thru +**
**LEDSync thru -**
**LEDSync shield**

**OUT TO NEXT MODULE FROM DMX CONTROLLER (BY OTHERS)**

**CH1 LED+**

For more options to wire DMX module, reference DMX System cut sheet.
**COMPATIBLE DRIVERS**

---

**DIMMER WITH NEUTRAL**

![Diagram of DIMMER WITH NEUTRAL](image1)

**DIMMER WITHOUT NEUTRAL**

![Diagram of DIMMER WITHOUT NEUTRAL](image2)

---

**LUTRON HI-LUME® 1% 2-WIRE:**

**2-WIRE CONTROL FORWARD PHASE**

- **PART:** LTHA4U/1UKL-CV240
- **DESCRIPTION:** 5-40W, 120VAC, 2-WIRE FORWARD PHASE DRIVER

---

**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
**FLEX DC® SIDE EMITTING**

**COMPATIBLE DRIVERS**

**3-WIRE**

![3-WIRE Diagram]

**LUTRON HI-LUME® 1%:**

3-WIRE/ECOSYSTEM

**PART** | **DESCRIPTION**
--- | ---
L3DA4U1UKL-CV240 | 5-40W, 120-277VAC, 3-WIRE/ECOSYSTEM DRIVER

**DIMENSIONS**

LUTRON HI-LUME® 1% 3-WIRE/ECOSYSTEM

**DIMS TO 1% WITH COMPATIBLE LUTRON CONTROLS**

**ECOSYSTEM**

![ECOSYSTEM Diagram]
**COMPATIBLE DRIVERS**

**3-WIRE**

LUTRON HI-LUME® PREMIER DRIVER

- **PART**: L3DO-96W24V-U
- **DESCRIPTION**: 2-96W, 120-277VAC, 3-WIRE/ECOSYSTEM DRIVER

**DIMENSIONS**

- **LUTRON HI-LUME® PREMIER**: H 5.0", W 10.5", D 2.0"

**DIMMING PERFORMANCE**

- Dims to 0.1% with compatible Lutron controls

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

**ECOSYSTEM**

LUTRON HI-LUME® PREMIER DRIVER

- **PART**: L3DO-96W24V-U
- **DESCRIPTION**: 2-96W, 120-277VAC, 3-WIRE/ECOSYSTEM DRIVER

**DIMENSIONS**

- **LUTRON HI-LUME® PREMIER**: H 5.0", W 10.5", D 2.0"

**DIMMING PERFORMANCE**

- Dims to 0.1% with compatible Lutron controls

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

Optic Arts reserves the right to modify this specification without prior notice.

Last Modified: September 18, 2019 5:50 PM

© Optic Arts 2018