**FLEX STP 40** is a high performance flexible LED fixture distinguished by its extremely tight LED pitch and ability to blend in shallow channels, making it perfect for direct view applications.

### ELECTRICAL

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>24VDC</td>
</tr>
<tr>
<td>Dimming Options</td>
<td>• PURE DC™</td>
</tr>
<tr>
<td></td>
<td>• MLV</td>
</tr>
<tr>
<td></td>
<td>• 0-10V</td>
</tr>
<tr>
<td></td>
<td>• DMX</td>
</tr>
<tr>
<td></td>
<td>• Lutron (2-WIRE, 3-WIRE, EcoSystem)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>4.0 Watts per foot</td>
</tr>
<tr>
<td>Wire Size</td>
<td>20AWG, 2 wire</td>
</tr>
<tr>
<td>Regulatory</td>
<td>ETL - Conforms to UL Std. 2108; Certified to CSA Std. C22.2 No. 9.0</td>
</tr>
<tr>
<td>Title 24</td>
<td>Selected models are JA8 2016 compliant when used with 0-10V, DMX, or Lutron Premier dimming.</td>
</tr>
</tbody>
</table>

### PHYSICAL

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Cuttable</td>
<td>Every 0.90” (22.86mm)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20° C (-40°F) to +50°C (+122°F)</td>
</tr>
<tr>
<td>Environment</td>
<td>IP20 - Dry Location</td>
</tr>
<tr>
<td>Maximum Run Length</td>
<td>24.00’</td>
</tr>
<tr>
<td>Dimensions (WxH)</td>
<td>0.39” (11.94mm) x 0.07” (1.78mm)</td>
</tr>
</tbody>
</table>

### ACCESSORIES

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channels</td>
<td>Optic Arts® Channel (pg. 3-7)</td>
</tr>
<tr>
<td>Mounting Clips</td>
<td>FLEXMNT.SIL.EXT12 (pg. 8)</td>
</tr>
<tr>
<td>Connectors</td>
<td>LC-I2P-M, LC-I2P-F (pg. 8)</td>
</tr>
<tr>
<td>Strain Relief</td>
<td>FLEX.ZIP (pg. 8)</td>
</tr>
<tr>
<td>FLEXConfig-1 Accessories</td>
<td>FLEXSTP.FPC.02.08, FLEXSTP.BSC.02.08, LO-18G-2C-W-72, LP-18G-2C-W-72, LO-18G-2C-W-SP, LP-18G-2C-W-SP (pg. 9)</td>
</tr>
</tbody>
</table>

### LUMEN OUTPUT

<table>
<thead>
<tr>
<th>Color</th>
<th>Lumen Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>1800K</td>
<td>240.00 lm/ft 60.00 lm/Watt</td>
</tr>
<tr>
<td>2350K</td>
<td>313.00 lm/ft 79.00 lm/Watt</td>
</tr>
<tr>
<td>2750K</td>
<td>338.00 lm/ft 83.00 lm/Watt</td>
</tr>
<tr>
<td>2930K</td>
<td>350.00 lm/ft 87.00 lm/Watt</td>
</tr>
<tr>
<td>3550K</td>
<td>353.00 lm/ft 88.00 lm/Watt</td>
</tr>
<tr>
<td>4100K</td>
<td>361.00 lm/ft 90.20 lm/Watt</td>
</tr>
</tbody>
</table>

*Note: Stated lumen values have a tolerance of +/- 10%.
1: JA8 2016 when used with 0-10V, DMX, or Lutron Premier dimming.*

### PERFORMANCE

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRI</td>
<td>2350-3550K = 95+, 1800K = 90+</td>
</tr>
<tr>
<td>TM-30</td>
<td>See pages 17-21</td>
</tr>
<tr>
<td>Lumen Maintenance</td>
<td>When used in Optic Arts® CHS-S-1208 or larger channel: 50,000 Hours L70</td>
</tr>
<tr>
<td>Binning Tolerance</td>
<td>+/- 100K</td>
</tr>
<tr>
<td>Warranty</td>
<td>5 years</td>
</tr>
</tbody>
</table>

### PART NUMBER BUILDER

<table>
<thead>
<tr>
<th>Component</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERIES</td>
<td>FLEXSTP</td>
</tr>
<tr>
<td>IP RATING</td>
<td>20 = IP20 - Dry Location</td>
</tr>
<tr>
<td>COLOR</td>
<td>18 = 1800K</td>
</tr>
<tr>
<td></td>
<td>23 = 2350K</td>
</tr>
<tr>
<td></td>
<td>27 = 2750K</td>
</tr>
<tr>
<td></td>
<td>29 = 2930K</td>
</tr>
<tr>
<td></td>
<td>35 = 3550K</td>
</tr>
<tr>
<td></td>
<td>41 = 4100K</td>
</tr>
<tr>
<td>VOLTAGE</td>
<td>24 = 24VDC</td>
</tr>
<tr>
<td>WATTAGE</td>
<td>40 = 4.0W</td>
</tr>
<tr>
<td>CONFIGURATION</td>
<td>FLC1 = FLEX Config 1</td>
</tr>
<tr>
<td></td>
<td>FLC2 = FLEX Config 2</td>
</tr>
<tr>
<td></td>
<td>FLC3 = FLEX Config 3</td>
</tr>
<tr>
<td>LENGTH</td>
<td>XX = Custom Length</td>
</tr>
</tbody>
</table>

*1: JA8 2016 when used with 0-10V, DMX, or Lutron Premier dimming.*
### DIMENSIONS

Optic Arts® cuts all FLEX STP and Channel products to length per customer specifications. Each length of FLEX STP 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.

- Due to the nature of the FLEX STP 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 FLEX STP.
- Some on-site assembly required. See installation guides for details.

#### INDOOR FLEX STP 40

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>0.39&quot; (10.05mm)</td>
</tr>
<tr>
<td>Height</td>
<td>0.07&quot; (1.78mm)</td>
</tr>
<tr>
<td>Cuttable Segment Length</td>
<td>0.90&quot; (22.86mm)</td>
</tr>
<tr>
<td>Pitch Length</td>
<td>0.1285&quot; (3.26mm)</td>
</tr>
<tr>
<td>Max Run Length</td>
<td>24.00' (7315.20mm)</td>
</tr>
</tbody>
</table>

#### INDOOR FLEX STP 40

Specified Length

~0.45"
### Small Channels

#### Small Channel Part Number Breakdown:

<table>
<thead>
<tr>
<th>CHANNEL</th>
<th>CHANNEL SIZE</th>
<th>CHANNEL TYPE</th>
<th>LENS TYPE</th>
<th>LENS DIFFUSION*</th>
<th>FINISH</th>
<th>MOUNTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH-SM</td>
<td>Small</td>
<td>LS = Legacy Short</td>
<td>SF = Surface</td>
<td>FL = Flat</td>
<td>CC = Clear</td>
<td>Special Powder Coat Finishes</td>
</tr>
</tbody>
</table>
|         |              | LT = Legacy Tall | RE = Recessed | GZ = Grazer | CF = Frosted | Grey - P008-GR1
|         |              |                |            |                | CM = Milky | Blue - T005-BL01
|         |              |                |            |                |               | Red - T099-RD03
|         |              |                |            |                |               | Yellow - T005-YL01
|         |              |                |            |                |               | Chrome 1
|         |              |                |            |                |               | CR = Custom RAL #

* Leave Blank for Grazer Standard Finish

#### CH-SM-LS-RE

(Peviously Known As CHS-R-1208)

- **A**: 0.68” (17.25mm)
- **B**: 0.98” (25.00mm)
- **C**: 0.34” (8.60mm)

- **Material**: Anodized Aluminum
- **Description**: Small - Short - Recessed - Channel.
- **Length**: 7 ft.
- **Lens Types**: Clear, Frosted, Milky
- **Accessories**: Endcap, Endcap w/ hole

#### CH-SM-LS-SF

(Peviously Known As CHS-S-1208)

- **A**: 0.68” (17.25mm)
- **B**: 0.50” (12.59mm)
- **C**: 0.34” (8.60mm)
- **D**: 0.66” (16.76mm)

- **Material**: Anodized Aluminum
- **Description**: Small - Tall - Surface - Channel.
- **Length**: 7 ft.
- **Lens Types**: Clear, Frosted, Milky
- **Accessories**: Endcap, Endcap w/ hole, Mounting Clip, Rotating Mounting Clip

#### CH-SM-LT-RE

(Peviously Known As CHS-R-1715)

- **A**: 0.68” (17.25mm)
- **B**: 0.48” (12.30mm)
- **C**: 0.34” (8.60mm)
- **D**: 0.40” (12.70mm)
- **E**: 0.78” (19.90mm)

- **Material**: Anodized Aluminum
- **Description**: Small - Tall - Recessed - Channel.
- **Length**: 7 ft.
- **Lens Types**: Clear, Frosted, Milky
- **Accessories**: Endcap, Endcap w/ hole, Mounting Clip, Rotating Mounting Clip

#### CH-SM-LT-SF

(Peviously Known As CHS-S-1715)

- **A**: 0.68” (17.25mm)
- **B**: 0.48” (12.30mm)
- **C**: 0.34” (8.60mm)
- **D**: 0.66” (16.76mm)
- **E**: 0.78” (19.90mm)

- **Material**: Anodized Aluminum
- **Description**: Small - Tall - Surface - Channel.
- **Length**: 7 ft.
- **Lens Types**: Clear, Frosted, Milky
- **Accessories**: Endcap, Endcap w/ hole, Mounting Clip, Rotating Mounting Clip
### MEDIUM CHANNELS

#### MEDIUM CHANNEL PART NUMBER BREAKDOWN:

<table>
<thead>
<tr>
<th>CHANNEL</th>
<th>CHANNEL SIZE</th>
<th>CHANNEL TYPE</th>
<th>LENS TYPE</th>
<th>LENS DIFFUSION</th>
<th>FINISH</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH-MD-LS-SF</td>
<td>Legacy Short</td>
<td>Surface</td>
<td>FL = Flat</td>
<td>Clear</td>
<td>Standard Finish</td>
<td>Anodized Aluminum</td>
</tr>
<tr>
<td>CH-MD-LS-RE</td>
<td>Legacy Short</td>
<td>Recessed</td>
<td>FL = Flat</td>
<td>Clear</td>
<td>Special Powder Coat Finishes</td>
<td>Anodized Aluminum</td>
</tr>
<tr>
<td>CH-MD-TL-SF</td>
<td>Tall</td>
<td>Surface</td>
<td>FL = Flat</td>
<td>Clear</td>
<td>Standard Finish</td>
<td>Anodized Aluminum</td>
</tr>
</tbody>
</table>

#### ACCESSORIES:

- Endcap
- Endcap w/ hole
- Mounting Clip
- Rotating Mounting Clip
- Pendant
- Rotating Mounting Clip

#### LENGTH:

- 7 Ft.

#### MOUNTING OPTIONS:

- MC = Mounting Clip
- RC = Rotating Clip
- PD = Pendant

---

**NOTE:**

1. Only available in surface channel type.
2. Not available for tall channel.
3. Not available for recessed options.
4. Not compatible with recessed options.
5. Not available with Lite option.

---

**PART NUMBER BREAKDOWN:**

<table>
<thead>
<tr>
<th>+</th>
<th>+</th>
<th>+</th>
<th>+</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHANNEL</td>
<td>CHANNEL SIZE</td>
<td>CHANNEL TYPE</td>
<td>LENS TYPE</td>
</tr>
<tr>
<td>CH-MD</td>
<td>Medium</td>
<td>LS = Legacy Short</td>
<td>SF = Surface</td>
</tr>
<tr>
<td>CH-MD</td>
<td>Medium</td>
<td>LS = Legacy Short</td>
<td>RE = Recessed</td>
</tr>
<tr>
<td>CH-MD</td>
<td>Medium</td>
<td>TL = Tall</td>
<td>SF = Surface</td>
</tr>
<tr>
<td>CH-MD</td>
<td>Medium</td>
<td>TL = Tall</td>
<td>RE = Recessed</td>
</tr>
</tbody>
</table>

- NA = Direct Surface
- MC = Mounting Clip
- RC = Rotating Clip
- PD = Pendant
- FL = Flat

---

**FINISHES:**

- Standard Finish
- Special Powder Coat Finishes

- SS = Satin Silver Anodized
- BK = Matte Black - TIGER 061/8007
- BZ = Bronze - TIGER 061/6800
- WT = White - Cardinal T009-WH111
- Cream 1
- Chrome 4
- Custom RAL # 5

---

**MATERIAL:**

- Anodized Aluminum
- Powder Coat Finishes

- SS = Satin Silver Anodized
- BK = Matte Black - TIGER 061/8007
- BZ = Bronze - TIGER 061/6800
- WT = White - Cardinal T009-WH111
- Chrome 4

---

**FINISHES:**

- Standard Finish
- Special Powder Coat Finishes

- SS = Satin Silver Anodized
- BK = Matte Black - TIGER 061/8007
- BZ = Bronze - TIGER 061/6800
- WT = White - Cardinal T009-WH111
- Chrome 4
LARGE CHANNELS

**CHANNEL PART NUMBER BREAKDOWN:**

- **SERIES**
  - CHS = Slim Channel
  - CHW = Wide Channel

- **APPLICATION**
  - S = Surface Mount
  - R = Recessed Mount
  - C = Corner Mount
  - H = Hanging Mount

- **DIMENSIONS**
  - XXX = W x H (mm)

**MATERIAL**
- Anodized Aluminum

**DESCRIPTION**
- Wide and deep surface mounted or hanging channel. Eliminates visible LED nodes for most FLEXDC products when used with a milky lens.

**LENGTH**
- 2 meter

**LENS TYPES**
- Frosted
- Milky

**ACCESSORIES**
- Endcap
- Endcap w/hole
- Hanging Hardware
- Bracket Straight
- Bracket 90º Flat
- Bracket 90º Raised

**CHW-S-3535**

- **Configuration 1**
- **Configuration 1 with Auxiliary Housing Accessory**

**CHW-R-4435**

- **Configuration 2**

**CORNER CHANNELS**

**CHS-C-1919**

- **Configuration 1**
- **Configuration 1 with Auxiliary Housing Accessory**

**CHS-C-1616**

- **Configuration 2**

**APPLICATION DIMENSIONS**

**MOUNTING OPTIONS - COMPATIBLE CHANNELS**

- **Not Blended**
- **Blended w/Milky Lens**
- **Configuration 1**
- **Configuration 1 with Auxiliary Housing Accessory**
- **Configuration 2**
- **Configuration 3**

**CHANNEL PART NUMBER BREAKDOWN:**

- **S** = Surface Mount
- **R** = Recessed Mount
- **C** = Corner Mount
- **H** = Hanging Mount

- **MATERIAL**
  - Anodized Aluminum

- **DESCRIPTION**
  - Wide and deep recessed channel. Eliminates visible LED nodes for most FLEXDC products when used with a milky lens. Can be securely and conveniently mounted with CHW-R-4435-SC spring clip.

- **LENGTH**
  - 2 meter

- **LENS TYPES**
  - Frosted
  - Milky

- **ACCESSORIES**
  - Endcap
  - Endcap w/hole
  - Hanging Hardware
  - Bracket Straight
  - Bracket 90º Flat
  - Bracket 90º Raised

**CHS-C-1919**

- **Configuration 1**
- **Configuration 1 with Auxiliary Housing Accessory**

**CHS-C-1616**

- **Configuration 2**

**APPLICATION DIMENSIONS**

**MATERIAL**
- Anodized Aluminum

**DESCRIPTION**
- Slim corner mount channel. Fits IP20 FLEX STP only

**LENGTH**
- 2 meter

**LENS TYPES**
- Clear
- Frosted
- Milky

**ACCESSORIES**
- Endcap
- Endcap w/hole
- Hanging Hardware

**APPLICATION DIMENSIONS**

**MATERIAL**
- Anodized Aluminum

**DESCRIPTION**
- Slim corner mount channel with rounded lens.

**LENGTH**
- 2 meter

**LENS TYPES**
- Frosted
- Milky

**ACCESSORIES**
- Endcap
- Endcap w/hole
- Hanging Hardware

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### CORNER CHANNELS

**CHW-C-3030**

- **MATERIAL:** Anodized Aluminum
- **DESCRIPTION:** 45 degree channel with rounded lens.
- **LENGTH:** 2 meter
- **LENS TYPES:**
  - Clear
  - Frosted
  - Milky
- **ACCESSORIES:**
  - Endcap
  - Endcap w/ hole
  - Mounting Clip

**CHW-C-3030S**

- **MATERIAL:** Anodized Aluminum
- **DESCRIPTION:** 45 degree channel with square lens.
- **LENGTH:** 2 meter
- **LENS TYPES:**
  - Clear
  - Frosted
  - Milky
- **ACCESSORIES:**
  - Endcap
  - Endcap w/ hole
  - Mounting Clip

### SPECIALTY CHANNELS

**CHS-S-1922R**

- **MATERIAL:** Anodized Aluminum
- **DESCRIPTION:** Slim surface mounted channel with rounded wrap around lens. Mounting clip is fully concealed within fixture base.
- **LENGTH:** 2 meter
- **LENS TYPES:** Milky
- **ACCESSORIES:**
  - Endcap
  - Endcap w/ hole
  - Mounting Clip

**CHS-S-1922S**

- **MATERIAL:** Anodized Aluminum
- **DESCRIPTION:** Slim surface mounted channel with square wrap around lens. Mounting clip is fully concealed within fixture base.
- **LENGTH:** 2 meter
- **LENS TYPES:** Milky
- **ACCESSORIES:**
  - Endcap
  - Endcap w/ hole
  - Mounting Clip

**CHW-S-2623**

- **MATERIAL:** Anodized Aluminum
- **DESCRIPTION:** Surface mounted channel with wrap around lens.
- **LENGTH:** 2 meter
- **LENS TYPES:** Milky
- **ACCESSORIES:**
  - Endcap
  - Endcap w/ hole

**CHW-S/H-2027**

- **MATERIAL:** Anodized Aluminum
- **DESCRIPTION:** Small surface mounted or hanging channel with wrap around lens.
- **LENGTH:** 2 meter
- **LENS TYPES:**
  - Clear
  - Frosted
  - Milky
- **ACCESSORIES:**
  - Endcap
  - End cap w/ hole
  - Hanging Hardware
  - Bracket Straight
  - Bracket 90º Flat
  - Bracket 90º Raised

*Must specify for hanging or surface mount application.*
## MOUNTING OPTIONS - COMPATIBLE CHANNELS

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Description</th>
<th>Length</th>
<th>Lens Types</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Configuration 1</td>
<td>2 meter</td>
<td>Milky</td>
<td>CHW-S/H-3561-CM</td>
</tr>
<tr>
<td>1a</td>
<td>Configuration 1 with Auxiliary Housing Accessory</td>
<td></td>
<td>Milky</td>
<td>CHW-S/H-3561-ECCH</td>
</tr>
<tr>
<td>2</td>
<td>Configuration 2</td>
<td>2 meter</td>
<td>Milky</td>
<td>CHW-S/H-3030-ECCH</td>
</tr>
<tr>
<td>3</td>
<td>Configuration 3</td>
<td></td>
<td>Milky</td>
<td>CHW-S/H-3030-ECAC</td>
</tr>
</tbody>
</table>

### SPECIALTY CHANNELS

#### CHW-S/H-3561
- **Material:** Anodized Aluminum
- **Description:** Large surface mounted or hanging channel with wrap around lens.
- **Lens Types:** Milky
- **Accessories:**
  - Endcap: CHW-S/H-3561-CM
  - End Cap w/ hole: CHW-S/H-3561-ECCH
- **Notes:** *Must specify for hanging or surface mount application.*

#### CHW-S/H-3030
- **Material:** Anodized Aluminum
- **Description:** Wide and deep surface mounted or hanging channel with flat lens for even blending.
- **Lens Types:** Milky
- **Accessories:**
  - Endcap: CHW-S/H-3030-CM
  - Endcap w/ hole: CHW-S/H-3030-ECCH
- **Notes:** *Must specify for hanging or surface mount application.*

#### CHW-S/H-7532
- **Material:** Anodized Aluminum
- **Description:** Wide surface mounted or hanging channel with flat lens.
- **Lens Types:** Frosted
- **Accessories:**
  - Endcap: CHW-S/H-7532-CF
- **Notes:** *Must specify for hanging or surface mount application.*

#### CHC-S-1921
- **Material:** Anodized Aluminum
- **Description:** Surface mount channel with flat lens. Mounts to ferrous and non-ferrous surfaces using magnets with no visible fasteners once mounted.
- **Lens Types:** Milky
- **Accessories:**
  - Endcap: CHC-S-1921-CM
- **Notes:**

#### CHSP-S-1618
- **Material:** Anodized Aluminum
- **Description:** Includes an aluminum insert that allows selection between (4) different beamspreads based on the position of the insert.
- **Lens Types:**
  - Focusing Lens: CHSP-S-1618-CFL
- **Accessories:**
  - Endcap: CHSP-S-1618-ECCH
  - Mounting Clip: CHSP-S-1618-MC

---

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ACCESSORIES

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

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

**FLEX.ZIP**  
Strain Relief Clip

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

**PFC-HO-1208-SS-KIT**  
1a Configuration 1 with Auxiliary Housing Accessory

**PFC-HO-1715-SS-KIT**  
1a Configuration 1 with Auxiliary Housing Accessory
ACCESSORIES

**FLEX STP.PFC-02.10**  
Field installed FLEX Connect® power feed - 2 Conductor for 10mm Strip

**FLEXSTP.BSC.02.10**  
Field installed FLEX Connect® butt splice - 2 Conductor for 10mm Strip

**LO-18G-2C-W-72**  
6' wire lead for FLEX Connect® (not in-wall rated)

**LP-18G-2C-W-72**  
6' Plenum rated wire lead for FLEX Connect™

**LO-18G-2C-W-SP**  
1000' spool of wire for FLEX Connect® (not in-wall rated)

**LP-18G-2C-W-SP**  
500' box of Plenum rated wire for FLEX Connect™
FLEX STP 40 Specification Sheet

**CONFIGURATION TYPES**

1. **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 factory cut to length, but not terminated
   - One 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.
   - Specify number of butt splices (not shown - see page 8)
   - IP68 not available in **FLEXConfig-1**
   - JA8 2016 not available in **FLEXConfig-1**
   - **FLEXConfig-1** is quick ship if run lengths are provided at time of order. Take offs, if needed, will add lead time.
   - The below channels are **NOT** compatible with FLEX Connect®:
     - **Slim:**
       - CHS-R-1208
       - CHS-R-1715
     - **Wide:**
       - CHW-R-2010
       - CHW-R-2027
       - CHW-S-7532
       - CHW-S-2623
       - CHW-S-3030
       - CHW-S-3561

2. **Cut To Length With Soldered Leads, Assemble On-Site 1, 2, 3**
   - Specify **FLEXConfig-2**
   - Specify FLEX type and channel type
   - Specify run lengths
   - IP68 only available in **FLEXConfig-2**
   - If no config is specified, and run lengths are provided, **FLEXConfig-2** will be used

3. **Pre-Assembled Factory Finished Fixtures 1, 2**
   - Specify **FLEXConfig-3**
   - Fully assembled fixture
   - ETL stamped and listed as a fixture
   - 6.50' max length
   - Standard 6' power lead unless otherwise specified
   - The below channels **CANNOT** be factory assembled:
     - **Slim:**
       - CHS-R-1208
       - CHS-R-1715
     - **Wide:**
       - CHW-R-2010
       - CHW-R-2027
       - CHW-S-7532
       - CHW-S-2623
       - CHW-S-3030
       - CHW-S-3561

**NOTES:**
1. Due to the nature of the FLEX STP 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 STP.
3. Some on-site assembly required. See installation guides for details.
COMPATIBLE DRIVERS

PURE DC® LITE (PDC)

**PART** | **DESCRIPTION**
--- | ---
PDC.40.24 | 40W 120/277VAC PURE DC™ MLV DIMMABLE DRIVER
PDC.96.24 | 96W 120/277VAC PURE DC™ MLV DIMMABLE DRIVER

**DIMENSIONS**

- **40W**: L 14.25”, W 7.00”, 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

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

PURE DC® LITE (PDCL)

**PART** | **DESCRIPTION**
--- | ---
PDCL.30.24 | 30W 100-277VAC DIMMABLE DRIVER
PDCL.60.24 | 60W 100-277VAC DIMMABLE DRIVER
PDCL.96.24 | 96W 100-277VAC DIMMABLE DRIVER

**DIMENSIONS**

- **30W**: H 1.03”, W 6.50”, D 3.62”
- **60W**: H 1.03”, W 7.00”, D 3.62”
- **96W**: H 1.61”, W 8.66”, D 3.66”

**DIMMING PERFORMANCE**

Pure DC® LITE DRIVER

'Dims to 0.1% on most MLV dimmers

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

ELECTRONIC DRIVER - NON-DIM (ND)

**PART** | **DESCRIPTION**
---|---
GG100E-24-UNV | 96W 120-277VAC ELECTRONIC DRIVER

**DIMENSIONS**
- ELECTRONIC DRIVER: H 3.00", W 11.46", D 1.30"

**DIMMING PERFORMANCE**
- ELECTRONIC DRIVER: Non-Dim

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

**PART** | **DESCRIPTION**
---|---
GG100E-24-UNV-010V | 96W 120-277VAC ELECTRONIC DRIVER WITH 0-10V DIMMING MODULE (SinK)

**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.

**WIRING DIAGRAMS**
- **DIM-010V**
  - 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 +

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COMPATIBLE DRIVERS

ELECTRONIC DRIVER W/DMX MODULE (DMX)

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<td>96W 120-277VAC ELECTRONIC DRIVER WITH eldoLED DMX DMING MODULE</td>
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DIMENSIONS

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*Must be installed in UL box (by others)

DIMMING PERFORMANCE

**ELECTRONIC DRIVER - DMX MODULE**

Dims to 0.1% on most DMX systems

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

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

**DIMMER WITH NEUTRAL**

- LUTRON HI-LUME® 1% 2-WIRE
- LTEA4U1UXL-CV240 5-40W, 120VAC, 2-WIRE FORWARD PHASE DRIVER

**DIMENSIONS**

- 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
- LTEA4U1UXL-CV240 5-40W, 120VAC, 2-WIRE FORWARD PHASE DRIVER

**DIMENSIONS**

- 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
LUTRON HI-LUME® 1%:
3-WIRE/ECOSYSTEM

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<td>5-40W, 120-277VAC, 3-WIRE/ECOSYSTEM DRIVER</td>
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DIMENSIONS

- LUTRON HI-LUME® 1%:
  - 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
### COMPATIBLE DRIVERS

**3-WIRE**

LUTRON HI-LUME® PREMIER DRIVER

#### 3-WIRE/ECOSYSTEM

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

**DIMENSIONS**

| 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)

---

LUTRON HI-LUME® PREMIER DRIVER

TO ECO SYSTEM DIGITAL LINK

E1 (Purple) E2 (Purple)

120-277 VAC
FLEX STP 40

Rf 85.7
Fidelity index Rf

Rg 86.4
Gammut index Rg

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FLEX STP 40

TM-30 - 2350K

Rf 94.5
Fidelity index Rf

Rg 102.9
Gammut index Rg

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Approx. limits for sources on the Planckian locus.
Approx. limits for practical light sources.

Color vector graphics

Color distortion graphics

Graphic shifts (%)

Color Evaluation Sample
FLEX STP 40 Specification Sheet

Rf 93.3
Fidelity index Rf

Rg 101.2
Gammut index Rg

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Graphic shifts (%)

Graphical representations of color evaluation and color distortion graphs.

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FLEX STP 40 Specification Sheet

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213.250.6069 | customerservice@opticarts.com | www.opticarts.com

Fidility index Rf
Rf 91.3

Gamma index Rg
Rg 99.5
**FLEX STP 40**

**Specification Sheet**

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**Rf 91.9**

Fidelity index Rf

**Rg 101.0**

Gammut index Rg

---

**Color vector graphics**

**Color distortion graphics**

---

Fidelity Index Rf

---

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