FLEX DC® 44 is a high performance flexible LED fixture suitable for use in coves, under cabinets, in shelves, in-grade, and virtually anywhere a linear fixture is required.

**ELECTRICAL**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input Voltage</strong></td>
<td>24VDC</td>
</tr>
<tr>
<td><strong>Dimming Options</strong></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><strong>Power Consumption</strong></td>
<td>4.4 Watts per foot</td>
</tr>
<tr>
<td><strong>Wire Size</strong></td>
<td>18AWG, 2 wire</td>
</tr>
<tr>
<td><strong>Regulatory</strong></td>
<td>ETL - Conforms to UL Std. 2108; Certified to CSA Std. C22.2 No. 9.0</td>
</tr>
<tr>
<td></td>
<td>Title 24 - Selected models are JA8</td>
</tr>
<tr>
<td></td>
<td>2016 compliant when used with 0-10V, DMX, Lutron A-Series 2-Wire or Lutron Premier dimming. JA8 option must be specified in part number builder below.</td>
</tr>
</tbody>
</table>

**PHYSICAL**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Field Cuttable</strong></td>
<td>Every 3.89&quot;</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-40°C (-40°F) to +70°C (+158°F)</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td>IP40 - Dry Location</td>
</tr>
<tr>
<td></td>
<td>IP68 - Wet Location</td>
</tr>
<tr>
<td><strong>Maximum Run Length</strong></td>
<td>IP40: 21'</td>
</tr>
<tr>
<td></td>
<td>IP68: 21'</td>
</tr>
<tr>
<td><strong>Dimensions (WxH)</strong></td>
<td>IP40: 0.38&quot; (9.53mm) x 0.13&quot; (3.18mm)</td>
</tr>
<tr>
<td></td>
<td>IP68: 0.50&quot; (12.7mm) x 0.25&quot; (6.35mm)</td>
</tr>
<tr>
<td></td>
<td>IP68 Endcaps - 0.57&quot; (14.29mm) x 0.38&quot; (9.53mm)</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mounting Clips</strong></td>
<td>FLEXMNT.SIL.INT, FLEXMNT.SIL.EXT12 (pg. 8)</td>
</tr>
<tr>
<td><strong>Channels</strong></td>
<td>Optic Arts® Channel (pg. 3-7)</td>
</tr>
<tr>
<td><strong>Connectors</strong></td>
<td>LC-12P-M, LC-12P-F, LC-02P-F, LC-02P-M (pg. 8)</td>
</tr>
<tr>
<td><strong>FLEXConfig-1 Accessories</strong></td>
<td>FLEXDC.PTC.02.16, FLEXDC.BSC.02.10, 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>Voltage</th>
<th>Wattage</th>
<th>Configuration</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>24VDC</td>
<td>4.4W</td>
<td>FLEXConfig-1</td>
<td>40</td>
</tr>
</tbody>
</table>

1: Offered in JA8 when used with 0-10V, DMX, Lutron A-Series 2-Wire or Lutron Premier dimming (IP40).

**PERFORMANCE**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CRI</strong></td>
<td>90+</td>
</tr>
<tr>
<td><strong>Lumen Maintenance</strong></td>
<td>50,000 Hours</td>
</tr>
<tr>
<td><strong>Binning Tolerance</strong></td>
<td>+/- 100K</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>5 years</td>
</tr>
</tbody>
</table>

**PART NUMBER BUILDER**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>IP RATING</th>
<th>COLOR</th>
<th>VOLTAGE</th>
<th>WATTAGE</th>
<th>CONFIGURATION</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLEXDC</td>
<td>40 = IP40 - Dry Location</td>
<td>R = Red</td>
<td>24 = 24VDC</td>
<td>44 = 4.4W</td>
<td>FLEXConfig-1</td>
<td>XX</td>
</tr>
<tr>
<td></td>
<td>68 = IP68 - Wet Location</td>
<td>G = Green</td>
<td>24 = 2400K</td>
<td>44 = 4.4W</td>
<td>FLEXConfig-1</td>
<td>XX</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B = Blue</td>
<td>27 = 2700K</td>
<td>44 = 4.4W</td>
<td>FLEXConfig-1</td>
<td>XX</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A = Amber</td>
<td>30 = 3000K</td>
<td>44 = 4.4W</td>
<td>FLEXConfig-1</td>
<td>XX</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>35 = 3500K</td>
<td>44 = 4.4W</td>
<td>FLEXConfig-1</td>
<td>XX</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>41 = 4100K</td>
<td>44 = 4.4W</td>
<td>FLEXConfig-1</td>
<td>XX</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60 = 6000K</td>
<td>44 = 4.4W</td>
<td>FLEXConfig-1</td>
<td>XX</td>
</tr>
</tbody>
</table>

1: Offered in JA8 when used with 0-10V, DMX, Lutron A-Series 2-Wire or Lutron Premier dimming (IP40).
<table>
<thead>
<tr>
<th>OUTDOOR FLEX DC® 44</th>
<th>INDOOR FLEX DC® 44</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td><strong>DIMENSIONS</strong></td>
</tr>
<tr>
<td>Width</td>
<td>0.39&quot; (10.05mm)</td>
</tr>
<tr>
<td>Height</td>
<td>0.10&quot; (2.20mm)</td>
</tr>
<tr>
<td>Cuttable Segment Length</td>
<td>3.89&quot; (99.00mm)</td>
</tr>
<tr>
<td>Pitch Length</td>
<td>0.65&quot; (16.50mm)</td>
</tr>
<tr>
<td>Max Run Length</td>
<td>21.00' (6400.80mm)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>0.50&quot; (12.70mm)</td>
</tr>
<tr>
<td>Height</td>
<td>0.20&quot; (5.15mm)</td>
</tr>
<tr>
<td>Width (Endcap)</td>
<td>0.57&quot; (14.29mm)</td>
</tr>
<tr>
<td>Height (Endcap)</td>
<td>0.38&quot; (9.53mm)</td>
</tr>
<tr>
<td>Max Run Length</td>
<td>21.00' (6096.00mm)</td>
</tr>
</tbody>
</table>

*Encased in silicone
## 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>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH-SM-LS-RE</td>
<td>Small</td>
<td>Surface</td>
<td>FL = Flat</td>
<td>CC = Clear</td>
<td>Anodized Aluminum.</td>
</tr>
<tr>
<td>CH-SM-LT-RE</td>
<td>Legacy Tall</td>
<td>Surface</td>
<td>FL = Flat</td>
<td>CC = Clear</td>
<td>Anodized Aluminum.</td>
</tr>
<tr>
<td>CH-SM-LS-SF</td>
<td>Small</td>
<td>Surface</td>
<td>FL = Flat</td>
<td>CC = Clear</td>
<td>Anodized Aluminum.</td>
</tr>
<tr>
<td>CH-SM-LT-SF</td>
<td>Legacy Tall</td>
<td>Surface</td>
<td>FL = Flat</td>
<td>CC = Clear</td>
<td>Anodized Aluminum.</td>
</tr>
</tbody>
</table>

### CONFIGURATION:

#### Configuration 1

**CH-SM-LS-RE**

- **CH-SM-LS-RE** (Previously Known As CHS-R-1208)
- Fits IP40 FLEX DC® Only

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>DESCRIPTION</th>
<th>LENGTH</th>
<th>LENS TYPES</th>
<th>ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anodized Aluminum.</td>
<td>Small - Short - Recessed - Channel.</td>
<td>7 FT.</td>
<td>CH-SM-LN-FL-CC</td>
<td>Endcap</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CH-SM-LN-FL-CF</td>
<td>Endcap w/ hole</td>
</tr>
</tbody>
</table>

#### Configuration 2

**CH-SM-LS-SF**

- **CH-SM-LS-SF** (Previously Known As CHS-S-1208)
- Fits IP40 FLEX DC® Only

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>DESCRIPTION</th>
<th>LENGTH</th>
<th>LENS TYPES</th>
<th>ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anodized Aluminum.</td>
<td>Small - Surface - Recessed - Channel.</td>
<td>7 FT.</td>
<td>CH-SM-LN-FL-CC</td>
<td>Endcap</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CH-SM-LN-FL-CF</td>
<td>Endcap w/ hole</td>
</tr>
</tbody>
</table>

#### Configuration 3

**CH-SM-LT-RE**

- **CH-SM-LT-RE** (Previously Known As CHS-R-1715)
- Fits IP40 FLEX DC® Only

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>DESCRIPTION</th>
<th>LENGTH</th>
<th>LENS TYPES</th>
<th>ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anodized Aluminum.</td>
<td>Small - Tall - Recessed - Channel.</td>
<td>7 FT.</td>
<td>CH-SM-LN-FL-CC</td>
<td>Endcap</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CH-SM-LN-FL-CF</td>
<td>Endcap w/ hole</td>
</tr>
</tbody>
</table>

**CH-SM-LT-SF**

- **CH-SM-LT-SF** (Previously Known As CHS-S-1715)
- Fits IP40 FLEX DC® Only

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>DESCRIPTION</th>
<th>LENGTH</th>
<th>LENS TYPES</th>
<th>ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anodized Aluminum.</td>
<td>Small - Tall - Surface - Channel.</td>
<td>7 FT.</td>
<td>CH-SM-LN-FL-CC</td>
<td>Endcap</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CH-SM-LN-FL-CF</td>
<td>Endcap w/ hole</td>
</tr>
</tbody>
</table>

### LENS TYPES

- Clear
- Frosted
- Milky

### LEAD TIME AND COST

1. Powdercoat finishes may increase order lead time and incur an added cost.
2. Not compatible with recessed options.

### MOUNTING OPTIONS

#### CHS-R-1208

- Click on channel titles below to access complete channel cut sheets.
# 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>MATERIAL</th>
<th>ACCESSORIES</th>
<th>LENGTH</th>
<th>FINISH</th>
<th>SPECIAL POWDER COAT FINISHES</th>
<th>MOUNTING OPTIONS - COMPATIBLE CHANNELS</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>Anodized Aluminum</td>
<td>Endcap, Endcap w/ hole, Rotating Mounting Clip</td>
<td>1.00 m</td>
<td>NA</td>
<td>Gray</td>
<td>Not Blended</td>
</tr>
<tr>
<td>CH-MD-LS-SF</td>
<td>Legacy Short</td>
<td>Recessed</td>
<td>FL = Flat</td>
<td>Frosted</td>
<td>Anodized Aluminum</td>
<td>Endcap, Endcap w/ hole, Rotating Mounting Clip</td>
<td>1.00 m</td>
<td>NA</td>
<td>Blue</td>
<td>Blended w/Milky Lens</td>
</tr>
<tr>
<td>CH-MD-LS-SF</td>
<td>Legacy Short</td>
<td>Legacy Long</td>
<td>FL = Flat</td>
<td>Milky</td>
<td>Anodized Aluminum</td>
<td>Endcap, Endcap w/ hole, Rotating Mounting Clip</td>
<td>1.00 m</td>
<td>NA</td>
<td>Yellow</td>
<td>Blended w/Milky Lens, Not Available with Lite Option</td>
</tr>
<tr>
<td>CH-MD-LS-RE-SF</td>
<td>Short</td>
<td>Surface</td>
<td>FL = Flat</td>
<td>Clear</td>
<td>Anodized Aluminum</td>
<td>Endcap, Endcap w/ hole, Rotating Mounting Clip</td>
<td>1.00 m</td>
<td>NA</td>
<td>Chrome</td>
<td>Not Available with recessed options</td>
</tr>
<tr>
<td>CH-MD-LS-RE-SF</td>
<td>Short</td>
<td>Recessed</td>
<td>FL = Flat</td>
<td>Frosted</td>
<td>Anodized Aluminum</td>
<td>Endcap, Endcap w/ hole, Rotating Mounting Clip</td>
<td>1.00 m</td>
<td>NA</td>
<td>Custom RAL #</td>
<td>Not Available with recessed options</td>
</tr>
<tr>
<td>CH-MD-LS-RE-TL</td>
<td>Tall</td>
<td>Surface</td>
<td>FL = Flat</td>
<td>Clear</td>
<td>Anodized Aluminum</td>
<td>Endcap, Endcap w/ hole, Rotating Mounting Clip</td>
<td>1.00 m</td>
<td>NA</td>
<td>Grey</td>
<td>Not Available with recessed options</td>
</tr>
<tr>
<td>CH-MD-LS-RE-TL</td>
<td>Tall</td>
<td>Recessed</td>
<td>FL = Flat</td>
<td>Frosted</td>
<td>Anodized Aluminum</td>
<td>Endcap, Endcap w/ hole, Rotating Mounting Clip</td>
<td>1.00 m</td>
<td>NA</td>
<td>Blue</td>
<td>Not Available with recessed options</td>
</tr>
<tr>
<td>CH-MD-LS-RE-TL</td>
<td>Tall</td>
<td>Legacy Long</td>
<td>FL = Flat</td>
<td>Milky</td>
<td>Anodized Aluminum</td>
<td>Endcap, Endcap w/ hole, Rotating Mounting Clip</td>
<td>1.00 m</td>
<td>NA</td>
<td>Yellow</td>
<td>Not Available with recessed options</td>
</tr>
</tbody>
</table>

### MATERIAL DESCRIPITON:
- Anodized Aluminum
- Powder Coating Finishes
  - Satin Silver Anodized
  - Matte Black - TIGER 061/8007
  - Bronze - TIGER 061/8002
  - White - Cardinal T009-WH11
- Special Powder Coating Finishes
  - Chrome

### ACCESSORIES:
- Endcap
- Endcap w/ hole
- Rotating Mounting Clip
- Pendant

### LENGTH:
- Medium: 1.00 m
- Tall: 1.00 m

### ENDCAP TYPE:
- Surface: CH-MD-LS-SF-EC
- Recessed: CH-MD-LS-RE-EC
- Legacy Long: CH-MD-LS-LE-MC

### FLEX DC® 44 SPECIFICATION SHEET

716 Monterey Pass Rd, Monterey Park, CA 91754
213.250.6069 | customerservice@opticarts.com | www.opticarts.com

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

Last Modified: June 4, 2019 11:45 AM

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FLEX DC® 44 Specification Sheet

LARGE CHANNELS

CHW-S-3535

- **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**: CHW-S-3535-CF
  - **Milky**: CHW-S-3535-CM
- **ACCESSORIES**:
  - Endcap: CHW-S-3535-EC
  - Endcap w/ hole: CHW-S-3535-ECH
  - Mounting Clip: CHW-S-3535-MC
  - Hanging Hardware: CHW-S-3535-MW
  - Bracket Straight: CHW-S-3535-BS
  - Bracket 90° Flat: CHW-S-3535-B90F
  - Bracket 90° Raised: CHW-S-3535-B90R
  - End Cap for FLEX AC: CHW-S-3535-ECAC
  - Mounting Clip for FLEX AC: CHW-S-3535-MCAC
  - VHB Tape: VHBTAPE.AC

- **CORNER CHANNELS**

CHS-C-1919

- **MATERIAL**: Anodized Aluminum
- **DESCRIPTION**: Slim corner mount channel?
- **LENGTH**: 2 meter
- **LENS TYPES**:
  - **Clear**: CHS-C-1919-CC
  - **Frosted**: CHS-C-1919-CF
  - **Milky**: CHS-C-1919-CM
- **ACCESSORIES**:
  - Endcap: CHS-C-1919-EC
  - Endcap w/ hole: CHS-C-1919-ECH
  - Mounting Clip: CHS-C-1919-MC

CHS-C-1616

- **MATERIAL**: Anodized Aluminum
- **DESCRIPTION**: Slim corner mount channel with rounded lens.
- **LENGTH**: 2 meter
- **LENS TYPES**:
  - **Frosted**: CHS-C-1616-CC
  - **Milky**: CHS-C-1616-CM
- **ACCESSORIES**:
  - Endcap: CHS-C-1616-EC
  - Endcap w/ hole: CHS-C-1616-ECH
  - Mounting Clip: CHS-C-1616-MC

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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: CHW-C-3030-CC
  - Frosted: CHW-C-3030-CF
  - Milky: CHW-C-3030-CM
- **ACCESSORIES**:
  - Endcap: CHW-C-3030-EC
  - Endcap w/hole: CHW-C-3030-ECH
  - Mounting Clip: CHW-C-3030-MC

### CHW-C-3030S
- **MATERIAL**: Anodized Aluminum
- **DESCRIPTION**: 45 degree channel with square lens.
- **LENGTH**: 2 meter
- **LENS TYPES**:
  - Clear: CHW-C-3030S-CC
  - Frosted: CHW-C-3030S-CF
  - Milky: CHW-C-3030S-CM
- **ACCESSORIES**:
  - Endcap: CHW-C-3030S-EC
  - Endcap w/hole: CHW-C-3030S-ECH
  - Mounting Clip: CHW-C-3030S-MC

## 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: CHS-S-1922R-EC
  - Endcap w/hole: CHS-S-1922R-ECH
  - Mounting Clip: CHS-S-1922R-MC

### 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: CHS-S-1922S-EC
  - Endcap w/hole: CHS-S-1922S-ECH
  - Mounting Clip: CHS-S-1922S-MC

### CHW-S-2623
- **MATERIAL**: Anodized Aluminum
- **DESCRIPTION**: Surface mounted channel with wrap around lens.
- **LENGTH**: 2 meter
- **LENS TYPES**:
  - Milky: CHW-S-2623-CM
- **ACCESSORIES**:
  - Endcap: CHW-S-2623-EC
  - Endcap w/hole: CHW-S-2623-ECH

### CHW-S/H-2027
- **MATERIAL**: Anodized Aluminum
- **DESCRIPTION**: Small surface mounted or hanging channel with wrap around lens.
- **LENGTH**: 2 meter
- **LENS TYPES**:
  - Clear: CHW-S/H-2027-CC
  - Frosted: CHW-S/H-2027-CF
  - Milky: CHW-S/H-2027-CM
- **ACCESSORIES**:
  - Endcap: CHW-S/H-2027-EC
  - End Cap w/hole: CHW-S/H-2027-ECH
  - Hanging Hardware: CHW-S/H-NW
  - Bracket: CHW-S/H-BS
  - Bracket 90º Flat: CHW-S/H-90F
  - Bracket 90º Raised: CHW-S/H-90R

*Must specify for hanging or surface mount application.*
SPECIALTY CHANNELS

**CHW-S/H-3561**

- **MATERIAL**: Anodized Aluminum
- **DESCRIPTION**: Large surface mounted or hanging channel with wrap around lens.
- **LENGTH**: 2 meter
- **LENS TYPES**: Milky CHW-SH-3561-CM
- **ACCESSORIES**: Endcap CHW-SH-3561-EC End Cap w/ hole CHW-SH-3561-ECH Bracket Straight CHW-SH-MW Bracket 90° Flat CHW-SH-B90F Bracket 90° Raised CHW-SH-B90R

A: 1.38” (35.00mm)  
B: 1.24” (31.40mm)  
C: 2.43” (61.70mm)  
D: 1.57” (39.90mm)

*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.
- **LENGTH**: 2 meter
- **LENS TYPES**: Frosted CHW-SH-7532-CF
- **ACCESSORIES**: Endcap CHW-SH-7532-EC End cap w/ hole CHW-SH-7532-ECH Bracket Straight CHW-SH-MW Bracket 90° Flat CHW-SH-B90F Bracket 90° Raised CHW-SH-B90R

A: 2.95” (75.00mm)  
B: 2.52” (64.00mm)  
C: 1.26” (32.00mm)

*Must specify for hanging or surface mount application.

**CHC-S-1921**

- **MATERIAL**: Anodized Aluminum Endcap  
- **DESCRIPTION**: Surface mount channel with flat lens. Mounts to ferrous and non-ferrous surfaces using magnets with no visible fasteners once mounted.
- **LENGTH**: 2 meter
- **LENS TYPES**: Milky CHC-S-1921-CM
- **ACCESSORIES**: Anodized Aluminum Endcap CHC-S-1921-EC Anodized Aluminum Endcap w/ hole CHC-S-1921-ECH Channel Mounted Magnet CHC-S-1921-MA Wall Mounted Magnet CHC-S-1921-M 1’ Mounting Plate CHC-S-1921-1

A: 0.76” (19.43mm)  
B: 0.55” (14.09mm)  
C: 0.84” (21.43mm)

**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.
- **LENGTH**: 2 meter
- **LENS TYPES**: Focusing Lens CHSP-S-1618-CPL
- **ACCESSORIES**: Endcap CHSP-S-1618-EC Endcap w/ hole CHSP-S-1618-ECH Mounting Clip CHSP-S-1618-MC

A: 0.63” (16.00mm)  
B: 0.49” (11.90mm)  
C: 0.49” (11.90mm)

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ACCESSORIES

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

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

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

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

**FLEX.ZIP**
Strain Relief Clip

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

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

Dimensions:
- **LC-I2P-M**: 0.47” (12.00mm)
- **LC-I2P-F**: 0.29” (7.40mm)
- **LC-O2P-F**: 0.77” (19.60mm)
- **LC-O2P-M**: 0.74” (19.00mm)
- **FLEX.ZIP**: 0.37” (9.50mm)
- **FLEXMNT.SIL.INT**: 0.77” (19.50mm)
- **FLEXMNT.SIL.EXT12**: 1.24” (31.75mm)

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**ACCESSORIES**

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

Fits in all channel except:
- CHS-S-1208
- CHS-R-1715
- CHS-C-1919
- CHS-C-1616

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

Fits in all channel except:
- CHS-S-1208
- CHS-R-1715
- CHS-C-1919
- CHS-C-1616

**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 lead for FLEX Connect® (not in-wall rated)

**FLEXDC.PFC-HO-1208-SS-KIT**
FLEX Connect® housing for CHS-S-1208

**FLEXDC.PFC-HO-1715-SS-KIT**
FLEX Connect® housing for CHS-S-1715

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**FLEX DC® 44**

**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.

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
   - If no config is specified, and run lengths are provided, FLEXConfig-2 will be used

3. Pre-Assembled Factory Finished Fixtures
   - Contact factory for Configuration 3
   - 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:
     - Small:
       - CH-SM-LS-RE
       - CH-SM-LT-RE
     - Large:
       - CHW-R-2010
       - CHW-S-2027
       - CHW-S-7532
       - CHW-S-2623
       - CHW-S-3030
       - 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>

**DIMENSIONS**

<table>
<thead>
<tr>
<th>PART</th>
<th>L</th>
<th>W</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDCL.30.24</td>
<td>1.03&quot;</td>
<td>6.50&quot;</td>
<td>3.62&quot;</td>
</tr>
<tr>
<td>PDCL.60.24</td>
<td>1.03&quot;</td>
<td>7.40&quot;</td>
<td>3.62&quot;</td>
</tr>
<tr>
<td>PDCL.96.24</td>
<td>1.61&quot;</td>
<td>8.66&quot;</td>
<td>3.66&quot;</td>
</tr>
</tbody>
</table>

**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.

---

**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**

<table>
<thead>
<tr>
<th>PART</th>
<th>L</th>
<th>W</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>40W</td>
<td>14.25&quot;</td>
<td>3.00&quot;</td>
<td>2.88&quot;</td>
</tr>
<tr>
<td>96W</td>
<td>14.75&quot;</td>
<td>4.31&quot;</td>
<td>4.81&quot;</td>
</tr>
</tbody>
</table>

**DIMMING PERFORMANCE**

**PURE DC™ DRIVER**

- Dims to 0.1% on most MLV dimmers
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 |

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 |

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 +
## COMPATIBLE DRIVERS

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

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

---

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

**DIMMER WITH NEUTRAL**

![Diagram of Dimmer with Neutral](image)

**DIMMER WITHOUT NEUTRAL**

![Diagram of Dimmer without Neutral](image)

---

**LUTRON HI-LUME® 1% 2-WIRE:**

2-WIRE CONTROL FORWARD PHASE

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTEA4U1UXL-CV240</td>
<td>5-40W, 120VAC, 2-WIRE FORWARD PHASE DRIVER</td>
</tr>
</tbody>
</table>

**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

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COMPATIBLE DRIVERS

3-WIRE

LUTRON HI-LUME® 1% 3-WIRE

ECOSYSTEM

LUTRON HI-LUME® 1% 3-WIRE

PART
L3DA4U1UKL-CV240

DESCRIPTION
5-40W, 120-277VAC, 3-WIRE/ECOSYSTEM DRIVER

DIMENSIONS
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

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3-WIRE

**LUTRON HI-LUME® PREMIER DRIVER**

- **PART:** L3DO-96W24V-U
- **DESCRIPTION:** 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.

3-WIRE

**ECOSYSTEM**

- **LUTRON HI-LUME® PREMIER DRIVER**
  - (WITH ECOSYSTEM CONTROL & SOFT-ON FADE TO BLACK TECHNOLOGY)
  - TO ECOSYSTEM DIGITAL LINK
  - 120-277 VAC

**PART**

<table>
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<tbody>
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<td>L3DO-96W24V-U</td>
<td>2-96W, 120-277VAC, 3-WIRE/ECOSYSTEM DRIVER</td>
</tr>
</tbody>
</table>