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**

- **Input Voltage**: 24VDC
- **Dimming Options**:
  - PURE DC™
  - MLV
  - 0-10V
  - DMX
  - Lutron (2-WIRE, 3-WIRE, EcoSystem)
- **Power Consumption**: 4.4 Watts per foot
- **Wire Size**: 18AWG, 2 wire
- **Regulatory**:
  - ETL - Conforms to UL Std. 2108; Certified to CSA Std. C22.2 No. 9.0
  - Title 24 - All IP40 and White Colors are JA8 when used with 0-10V, DMX, Lutron A-Series 2-Wire or Lutron Premier dimming (Config 2 and 3 only).

**PHYSICAL**

- **Field Cuttable**: Every 3.89"
- **Operating Temperature**: -40°C (-40°F) to +70°C (+158°F)
- **Environment**:
  - IP40 - Dry Location
  - IP68 - Wet Location
- **Maximum Run Length**:
  - IP40: 21', IP68: 21'
- **Dimensions (WxH)**:
  - IP40: 0.38" (9.53mm) x 0.13" (3.18mm)
  - IP68: 0.50" (12.7mm) x 0.25" (6.35mm)
  - IP68 Endcaps: 0.57" (14.29mm) x 0.38" (9.53mm)

**ACCESSORIES**

- **Mounting Clips**: FLEXMNT.SIL.INT, FLEXMNT.SIL.EXT2 (pg. 8)
- **Channels**: Optic Arts® Channel (pg. 3-7)
- **Connectors**: LC-12P-M, LC-12P-F, LC-O2P-F, LC-O2P-M (pg. 8)
- **ACCESSORIES**
  - FLEXConfig-1 Accessories: FLEXDC.PTC.02.16, FLEXDC.BSC.02.10, LO-18G-2C-W-72, LP-18G-2C-W-72, LO-18G-2C-SP-W-72, LP-18G-2C-SP-W-72 (pg. 9)

**LUMEN OUTPUT**

- **2000K (IP40 only)**: 253.93 lm/ft 56.61 lm/Watt
- **2400K**: 320.54 lm/ft 72.85 lm/Watt
- **2700K**: 367.44 lm/ft 83.51 lm/Watt
- **3000K**: 371.09 lm/ft 84.34 lm/Watt
- **3500K**: 392.39 lm/ft 89.18 lm/Watt
- **4100K**: 413.68 lm/ft 94.02 lm/Watt
- **6000K**: 413.68 lm/ft 94.02 lm/Watt

**PERFORMANCE**

- **CRI**: 90+
- **Lumen Maintenance**: 50,000 Hours
- **Binning Tolerance**: +/- 100K
- **Warranty**: 5 years

**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>
<th>JA8</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLEXDC</td>
<td>20 = 2000K (IP40 only)</td>
<td>24 = 2400K</td>
<td>44 = 4.4W</td>
<td>C1 = FLEX Config 1</td>
<td>XX = Custom Length</td>
<td>Y = Yes</td>
<td>N = No</td>
</tr>
</tbody>
</table>

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

1: All IP40 and White Colors are JA8 when used with 0-10V, DMX, Lutron A-Series 2-Wire or Lutron Premier dimming (Config 2 and 3 only).

Note: JA8 compliant products may increase order lead time.
**INDOOR FLEX DC® 44**

- **Width**: 0.39" (10.05mm)
- **Height**: 0.10" (2.33mm)
- **Cuttable Segment Length**: 3.89" (99.00mm)
- **Pitch Length**: 0.65" (16.50mm)
- **Max Run Length**: 21.00' (6400.80mm)

**OUTDOOR FLEX DC® 44**

- **Width**: 0.50" (12.70mm)
- **Height**: 0.20" (5.15mm)
- **Width (Endcap)**: 0.57" (14.29mm)
- **Height (Endcap)**: 0.38" (9.53mm)
- **Max Run Length**: 21.00' (6096.00mm)

*Encased in silicone*
MOUNTING OPTIONS - COMPATIBLE CHANNELS

OPTIC ARTS reserves the right to modify this specification without prior notice.

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

FLEX DC® 44 Specification Sheet
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KEY

DIFFUSION LEVEL:

Not Blended
Blended with Milky Lens

CONFIGURATION:

1 Configuration 1
2 Configuration 1 with
Auxiliary Housing Accessory
See page 8 for Flex Connect
Auxiliary Housing Accessories

CHS-R-1208

• Click on channel titles
below to access complete
channel cut sheets.

MOUNTING OPTIONS - COMPATIBLE CHANNELS

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</td>
<td>Small</td>
<td>Channel</td>
<td>SS = Surface</td>
<td>FL = Flat</td>
<td>Anodized Aluminum.</td>
</tr>
<tr>
<td></td>
<td>LS = Legacy Short</td>
<td>RE = Recessed</td>
<td>CF = Frosted</td>
<td>GZ = Grazer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LT = Legacy Tall</td>
<td>SF = Surface</td>
<td>CC = Clear</td>
<td>RE = Recessed</td>
<td></td>
</tr>
</tbody>
</table>

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

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 Fl.
LENS TYPES
Clear
Frosted
Milky
ACCESSORIES
Endcap
Endcap w/ hole

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

A: 0.68” (17.25mm)
B: 0.48” (12.30mm)
C: 0.59” (15.05mm)

MATERIAL
Anodized Aluminum
DESCRIPTION
Small - Short - Surface - Channel.
LENGTH
7 Fl.
LENS TYPES
Clear
Frosted
Milky
ACCESSORIES
Endcap
Endcap w/ hole
Mounting Clip
Rotating Mounting Clip

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

A: 0.68” (17.25mm)
B: 0.48” (12.30mm)
C: 0.59” (15.05mm)

MATERIAL
Anodized Aluminum
DESCRIPTION
Small - Tall - Recessed - Channel.
LENGTH
7 Fl.
LENS TYPES
Clear
Frosted
Milky
ACCESSORIES
Endcap
Endcap w/ hole
Mounting Clip
Rotating Mounting Clip

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

A: 0.68” (17.25mm)
B: 0.48” (12.30mm)
C: 0.59” (15.05mm)

MATERIAL
Anodized Aluminum
DESCRIPTION
Small - Tall - Surface - Channel.
LENGTH
7 Fl.
LENS TYPES
Clear
Frosted
Milky
ACCESSORIES
Endcap
Endcap w/ hole
Mounting Clip
Rotating Mounting Clip

LENS TYPES
Clear
Frosted
Milky

Configuration 1
Configuration 2
Configuration 3

Configuration 1 with
Auxiliary Housing Accessory
See page 8 for Flex Connect
Auxiliary Housing Accessories

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### 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>
</tr>
</thead>
<tbody>
<tr>
<td>CH-MD-LS-SF</td>
<td>Legacy Short</td>
<td>Surface</td>
<td>FL</td>
<td>Flat</td>
<td>Anodized Aluminum</td>
</tr>
<tr>
<td>CH-MD-LS-RE</td>
<td>Legacy Short</td>
<td>Recessed</td>
<td>FL</td>
<td>Flat</td>
<td>Anodized Aluminum</td>
</tr>
<tr>
<td>CH-MD-TL-SF</td>
<td>Tall</td>
<td>Surface</td>
<td>FL</td>
<td>Flat</td>
<td>Anodized Aluminum</td>
</tr>
</tbody>
</table>

- **MOUNTING OPTIONS - COMPATIBLE CHANNELS**

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Blended</th>
<th>Blended w/Milky Lens</th>
<th>Configuration 1</th>
<th>Configuration 1 with Auxiliary Housing Accessory</th>
<th>Configuration 2</th>
<th>Configuration 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>1a</td>
<td></td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

- **MOUNTING OPTIONS**

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

**MATERIAL**

- Anodized Aluminum

**DESCRIPTION**

- Medium - Lite - Surface - Channel.
- Medium - Lite - Recessed - Channel.
- Medium - Tall - Surface - Channel.
- Medium - Tall - Recessed - Channel.

**LENGTH**

- 7 Ft.

**LENS TYPES**

- Clear
- Frosted
- Milky

**ACCESSORIES**

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

**FINISH**

- Standard Finish
  - CC = Clear
  - CF = Frosted
  - CM = Milky
- Special Powder Coat Finishes
  - Grey - P008-GR01
  - Red - T009-RD02
  - Yellow - T009-YL01
  - Chrome - CR = Custom RAL #

**MOUNTING OPTIONS**

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

3. Powder coat finishes may increase order lead time and incur an added cost.

### CH-MD-LS-SF

(Previously Known As CHW-S-2010)

| A: 0.93" (23.50mm) | B: 0.78" (20.00mm) | C: 0.39" (10.00mm) |

### CH-MD-LS-RE

(Previously Known As CHW-R-2010)

| A: 0.93" (23.50mm) | B: 0.78" (20.00mm) | C: 0.39" (10.00mm) | D: 1.19" (30.24mm) |

**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>
</tr>
</thead>
<tbody>
<tr>
<td>CH-MD-LS-SF</td>
<td>Legacy Short</td>
<td>Surface</td>
<td>FL</td>
<td>Flat</td>
<td>Anodized Aluminum</td>
</tr>
<tr>
<td>CH-MD-LS-RE</td>
<td>Legacy Short</td>
<td>Recessed</td>
<td>FL</td>
<td>Flat</td>
<td>Anodized Aluminum</td>
</tr>
<tr>
<td>CH-MD-TL-SF</td>
<td>Tall</td>
<td>Surface</td>
<td>FL</td>
<td>Flat</td>
<td>Anodized Aluminum</td>
</tr>
</tbody>
</table>

- **MOUNTING OPTIONS - COMPATIBLE CHANNELS**

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Blended</th>
<th>Blended w/Milky Lens</th>
<th>Configuration 1</th>
<th>Configuration 1 with Auxiliary Housing Accessory</th>
<th>Configuration 2</th>
<th>Configuration 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>1a</td>
<td></td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

- **MOUNTING OPTIONS**

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

**MATERIAL**

- Anodized Aluminum

**DESCRIPTION**

- Medium - Lite - Surface - Channel.
- Medium - Lite - Recessed - Channel.
- Medium - Tall - Surface - Channel.
- Medium - Tall - Recessed - Channel.

**LENGTH**

- 7 Ft.

**LENS TYPES**

- Clear
- Frosted
- Milky

**ACCESSORIES**

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

**FINISH**

- Standard Finish
  - CC = Clear
  - CF = Frosted
  - CM = Milky
- Special Powder Coat Finishes
  - Grey - P008-GR01
  - Red - T009-RD02
  - Yellow - T009-YL01
  - Chrome - CR = Custom RAL #

**MOUNTING OPTIONS**

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

3. Powder coat finishes may increase order lead time and incur an added cost.

### CH-MD-LS-SF

(Previously Known As CHW-S-2010)

| A: 0.93" (23.50mm) | B: 0.78" (20.00mm) | C: 0.39" (10.00mm) |

### CH-MD-LS-RE

(Previously Known As CHW-R-2010)

| A: 0.93" (23.50mm) | B: 0.78" (20.00mm) | C: 0.39" (10.00mm) | D: 1.19" (30.24mm) |
### LARGE CHANNELS

#### CHANNEL PART NUMBER BREAKDOWN:

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>DESCRIPTION</th>
<th>SERIES</th>
<th>APPLICATION</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anodized Aluminum</td>
<td>Wide and deep surface mounted or hanging channel. Eliminates visible LED nodes for most FLEXDC products when used with a milky lens.</td>
<td>CHS = Slim Channel</td>
<td>S = Surface Mount</td>
<td>W x H (mm)</td>
</tr>
<tr>
<td>Anodized Aluminum</td>
<td>Wide and deep recessed channel. Eliminates visible LED nodes for most FLEXDC products when used with a milky lens.</td>
<td>CHW = Wide Channel</td>
<td>R = Recessed Mount</td>
<td></td>
</tr>
<tr>
<td>Anodized Aluminum</td>
<td>Slim corner mount channel.</td>
<td>CHS-C = Corner Mount</td>
<td>C = Corner Mount</td>
<td></td>
</tr>
<tr>
<td>Anodized Aluminum</td>
<td>Slim corner mount channel with rounded lens.</td>
<td>CHS-C = Corner Mount</td>
<td>H = Hanging Mount</td>
<td></td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- Endcap
- Endcap w/hole
- Mounting Clip
- Hanging Hardware
- Bracket Straight
- Bracket 90° Flat
- Bracket 90° Raised

**LENS TYPES**

- Frosted
- Milky

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>DESCRIPTION</th>
<th>SERIES</th>
<th>APPLICATION</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anodized Aluminum</td>
<td>Wide and deep recessed channel. Eliminates visible LED nodes for most FLEXDC products when used with a milky lens.</td>
<td>CHW-R = Recessed Channel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- Endcap
- Endcap w/hole
- Bracket

**LENS TYPES**

- Frosted
- Milky

### CORNER CHANNELS

#### CHS-C-1919

*Fits IP40 FLEX DC® Only*

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>DESCRIPTION</th>
<th>SERIES</th>
<th>APPLICATION</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anodized Aluminum</td>
<td>Slim corner mount channel.</td>
<td>CHS = Slim Channel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- Endcap
- Endcap w/hole
- Mounting Clip

**LENS TYPES**

- Clear
- Frosted
- Milky

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>DESCRIPTION</th>
<th>SERIES</th>
<th>APPLICATION</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anodized Aluminum</td>
<td>Slim corner mount channel with rounded lens.</td>
<td>CHS-C = Corner Mount</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- Endcap
- Endcap w/hole
- Mounting Clip

**LENS TYPES**

- Frosted
- Milky

---

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

**CHW-C-3030**

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

**CHW-C-3030S**

- **MATERIAL**: Anodized Aluminum
- **DESCRIPTION**: 45 degree channel with square lens.
- **LENGTH**: 2 meter
- **LENS TYPES**:
  - Clear: CHW-C-3030SCCC
  - Frosted: CHW-C-3030SCF
  - Milky: CHW-C-3030SCM
- **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
- **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-2027CC
  - Frosted: CHW-S/H-2027CF
  - Milky: CHW-S/H-2027CM
- **ACCESSORIES**:
  - Endcap: CHW-S/H-2027EC
  - End Cap w/hole: CHW-S/H-2027ECH
  - Hanging Hardware: CHW-S/H-NW
  - Bracket: CHW-S/H-B90F
  - Bracket: CHW-S/H-B90R

---

*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-890F)
  - Bracket 90° Flat (CHW-SH-890R)

*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.
- **LENGTH**: 2 meter
- **LENS TYPES**: Milky (CHW-SH-3030-CM)
- **ACCESSORIES**:
  - Endcap (CHW-SH-3030-EC)
  - End cap w/hole (CHW-SH-3030-ECH)
  - Bracket Straight (CHW-SH-856F)
  - Bracket 90° Flat (CHW-SH-856R)

*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-856F)
  - Bracket 90° Flat (CHW-SH-856R)

*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.
- **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-B1)

**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-CFL)
- **ACCESSORIES**:
  - Endcap (CHSP-S-1618-EC)
  - Endcap w/hole (CHSP-S-1618-ECH)
  - Mounting Clip (CHSP-S-1618-MC)

**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-CFL)
- **ACCESSORIES**:
  - Endcap (CHSP-S-1618-EC)
  - Endcap w/hole (CHSP-S-1618-ECH)
  - Mounting Clip (CHSP-S-1618-MC)
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
**FLEX DC® 44** Specification Sheet

**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®

Fits in all channel except:
- 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
- CHS-C-1919
- CHS-C-1616
- CHS-6-1921
- CHSP-R-2970
- CHSP-S-1618
- CHSP-STEP-8142

Fits in all channel except:
- 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
- CHS-C-1919
- CHS-C-1616
- CHS-6-1921
- CHSP-R-2970
- CHSP-S-1618
- CHSP-STEP-8142

**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®

**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
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 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**

   ![Diagram of FLEX Connect® Power Feeds and Channel](image)

   - 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:
       - CHC-S-1921
       - CHSP-2970
       - CHSP-1618
       - CHSP-STEP-8142

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**

   ![Diagram of FLEX Config-2 Assembly](image)

   - 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
   - 7.0' max length
   - Standard 6' power lead unless otherwise specified

   ![Diagram of Pre-Assembled Fixtures](image)

   - 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>

**DIMENSIONS**

<table>
<thead>
<tr>
<th>PART</th>
<th>H</th>
<th>W</th>
<th>D</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>7.00&quot;</td>
<td>2.88&quot;</td>
</tr>
<tr>
<td>96W</td>
<td>14.75&quot;</td>
<td>8.31&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: 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 eldoLED DMX DIMMING MODULE</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

<table>
<thead>
<tr>
<th>PART</th>
<th>H 3.00&quot;</th>
<th>W 11.46&quot;</th>
<th>D 1.30&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMX MODULE</td>
<td>1.97&quot;</td>
<td>W 6.02&quot;</td>
<td>D 0.91&quot;</td>
</tr>
</tbody>
</table>

*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**

**LUTRON HI-LUME® 1% 2-WIRE:**
2-WIRE CONTROL FORWARD PHASE

- **PART:** LTEA4U1UXL-CV240
- **DESCRIPTION:** 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:**
2-WIRE CONTROL FORWARD PHASE

- **PART:** LTEA4U1UXL-CV240
- **DESCRIPTION:** 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
COMPATIBLE DRIVERS

3-WIRE

LUTRON HI-LUME® 1% 3-WIRE/ECOSYSTEM

PART DESCRIPTION
L3DA4U1UKL-CV240 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

ECOSYSTEM

LUTRON HI-LUME® 1% 3-WIRE
## COMPATIBLE DRIVERS

### 3-WIRE

**LUTRON HI-LUME® PREMIER DRIVER**

- **DIMENSIONS**
  - HI-LUME® PREMIER: H 5.5”, W 10.5”, D 2.0”

- **DIMMING PERFORMANCE**
  - Dims to 0.1% with compatible Lutron controls

### ECOSYSTEM

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

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

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