FLEX DC® QUAD features Red, Green, Blue and White LEDs together in one LED package for seamless color mixing.

- Standard Colors/Color Temperatures: RGB + 3000K or 6000K
- 18 LEDs per foot

**ELECTRICAL**

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>24VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimming Options</td>
<td>DMX</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>5.5 Watts per foot</td>
</tr>
<tr>
<td>Wire Size</td>
<td>18AWG x 5</td>
</tr>
<tr>
<td>Certification</td>
<td>ETL - Conforms to UL Std. 2108; Certified to CSA Std. C22.2 No. 9.0</td>
</tr>
</tbody>
</table>

**PHYSICAL**

| Field Cuttable | Every 3.94” |
| Operating Temperature | -40° C (-40°F) to +70°C (+158°F) |
| Environment | IP40 - Dry Location, IP68 - Wet Location |
| Maximum Run Length | IP40: 17’; IP68: 17’ |
| Dimensions (WxH) | IP40: 0.48” (12.70mm) x 0.09” (3.18mm), IP68: 0.57” (14.29mm) x 0.25” (6.35mm), IP68 Endcaps: 0.69” (17.46mm) x 0.38” (9.53mm) |

**LUMEN OUTPUT (All LEDs at 100%)**

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumen Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>241.64 lm/foot, 43.93 lm/Watt</td>
</tr>
<tr>
<td>3000K</td>
<td>293.00 lm/foot, 45.12 lm/Watt</td>
</tr>
<tr>
<td>6000K</td>
<td>283.00 lm/foot, 43.56 lm/Watt</td>
</tr>
</tbody>
</table>

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

**ACCESSORIES**

- Mounting Clips: FLEXMNT.SIL.INT, FLEXMNT.SIL.EXT12
- Channels: Optic Arts® Channel (pg. 3-7)
- Connectors: LC-I5P-M, LC-I5P-F, LC-O5P-F, LC-O5P-M (pg. 8)

**PERFORMANCE**

<table>
<thead>
<tr>
<th>CCT</th>
<th>Lumen Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K, 3000K, 6000K, Red, Green, Blue, White</td>
<td>50,000 Hours</td>
</tr>
<tr>
<td>Warranty</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, 68 = IP68 - Wet Location</td>
<td>RGBWQ27 - 2700K, RGBWQ30 - 3000K, RGBWQ60 - 6000K</td>
<td>24 = 24VDC</td>
<td>55 = 5.5W</td>
<td>FLEXConfig</td>
<td>XX = Custom Length</td>
</tr>
</tbody>
</table>

1. Additional white LED CCTs available. Contact Optic Arts for details.
Optic Arts® cuts all FLEX DC® and Channel products to length per customer specifications. Each length of FLEX DC® 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 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.
- Unless otherwise specified, channel is cut 15mm longer than FLEX DC®.
- Some on-site assembly required. See installation guides for details.

### Indoor FLEX DC® Quad

**Width**
- 0.48” (12.70mm)

**Height**
- 0.09” (3.18mm)

**Cuttable Segment Length**
- 3.94” (100.00mm)

**Pitch Length**
- 0.65” (16.88mm)

**Max Run Length**
- 17.00’ (5181.60mm)

### Outdoor FLEX DC® Quad

**Width**
- 0.57” (14.29mm)

**Height**
- 0.25” (6.35mm)

**Width (Endcap)**
- 0.69” (17.46mm)

**Height (Endcap)**
- 0.38” (9.53mm)

**Max Run Length**
- 17.00’ (5181.60mm)

*Encased in silicone
MOUNTING OPTIONS - COMPATIBLE CHANNELS

KEY

DIFFUSION LEVEL:
- Not Blended
- Center Blend
- Blended with Milky Lens

CONFIGURATION:
- Configuration 1
- Configuration 1 with Auxiliary Housing Accessory
- Configuration 2
- Configuration 3

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>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH-SM-LS-RE</td>
<td>S = Legacy Short</td>
<td>LS = Legacy Short</td>
<td>RE = Recessed</td>
<td>FL = Flat</td>
<td>CC = Clear</td>
<td>Anodized Aluminum</td>
</tr>
<tr>
<td>CH-SM-LT-RE</td>
<td>T = Legacy Tall</td>
<td>LT = Legacy Tall</td>
<td>RE = Recessed</td>
<td>FL = Flat</td>
<td>CC = Clear</td>
<td>Anodized Aluminum</td>
</tr>
</tbody>
</table>

Fits IP40 FLEX DC® Only

MOUNTING OPTIONS - COMPATIBLE CHANNELS

CH-SM-LS-RE
(Previously Known As CHS-R-1208)

MATERIAL
- Anodized Aluminum

DESCRIPTION
- Small - Short - Recessed - Channel

LENGTH
- 7 Ft.

LENS TYPES
- Clear
- Frosted
- Milky

ACCESSORIES
- Endcap
- Endcap w/ hole

A: 0.68" (17.25mm)
B: 0.98" (25.00mm)
C: 0.34" (8.60mm)

CH-SM-LT-RE
(Previously Known As CHS-R-1715)

MATERIAL
- Anodized Aluminum

DESCRIPTION
- Small - Tall - Recessed - Channel

LENGTH
- 7 Ft.

LENS TYPES
- Clear
- Frosted
- Milky

ACCESSORIES
- Endcap
- Endcap w/ hole

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

CH-SM-LS-SF
(Previously Known As CHS-S-1208)

MATERIAL
- Anodized Aluminum

DESCRIPTION
- Small - Short - Surface - Channel

LENGTH
- 7 Ft.

LENS TYPES
- Clear
- Frosted
- Milky

ACCESSORIES
- Endcap
- Endcap w/ hole

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

CH-SM-LT-SF
(Previously Known As CHS-S-1715)

MATERIAL
- Anodized Aluminum

DESCRIPTION
- Small - Tall - Surface - Channel

LENGTH
- 7 Ft.

LENS TYPES
- Clear
- Frosted
- Milky

ACCESSORIES
- Endcap
- Endcap w/ hole

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

CH-SM-LS-LN

LENS TYPES
- Clear
- Frosted
- Milky

A: 0.68" (17.25mm)
B: 0.98" (25.00mm)
C: 0.34" (8.60mm)

CH-SM-LT-LN

LENS TYPES
- Clear
- Frosted
- Milky

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

CH-SM-LE-MC

ACCESSORIES
- Mounting Clip
- Rotating Mounting Clip

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

CH-SM-LE-MC-R

ACCESSORIES
- Mounting Clip
- Rotating Mounting Clip

E: 0.78" (19.90mm)
D: 0.66" (16.76mm)
C: 0.34" (8.60mm)
B: 0.48" (12.30mm)
A: 0.68" (17.25mm)
**FLEX DC® QUAD**

**Specification Sheet**

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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>
<th>DESCRIPTION</th>
<th>LENGTH</th>
<th>MOUNTING OPTIONS</th>
<th>COMPATIBLE CHANNELS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH-MD</td>
<td>Legacy Short</td>
<td>Surface</td>
<td>FL</td>
<td>Flat</td>
<td>Anodized Aluminum</td>
<td>Medium - Lite - Surface - Channel.</td>
<td>7 Ft.</td>
<td>Not Blended</td>
<td></td>
</tr>
<tr>
<td>LS-SF</td>
<td>Tall</td>
<td>Recessed</td>
<td>CF</td>
<td>Frosted</td>
<td>CH-MD-LN-FL-CC</td>
<td>Clear Faced</td>
<td>7 Ft.</td>
<td>Blended w/Milky Lens</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CM</td>
<td>Milky</td>
<td>CH-MD-LN-FL-CM</td>
<td>Milky</td>
<td>7 Ft.</td>
<td>Not compatible with recessed options</td>
<td></td>
</tr>
</tbody>
</table>

**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)
D: 0.48” (12.19mm)
E: 1.02” (25.80mm)

**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)

**CH-MD-TL-SF**

A: 0.90” (23.11mm)
B: 0.75” (19.05mm)
C: 1.02” (26.16mm)

**MOUNTING OPTIONS - COMPATIBLE CHANNELS**

<table>
<thead>
<tr>
<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>1a</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

**CH-MD-TL-SF**

(Previously Known As CHW-TL-2010)

A: 0.90” (23.11mm)
B: 0.75” (19.05mm)
C: 1.02” (26.16mm)

**CH-MD-LE-MC**

A: 0.90” (23.11mm)
B: 0.75” (19.05mm)
C: 1.02” (26.16mm)

3: Powder coat finishes may increase order lead time and incur an added cost.
### LARGE CHANNELS

#### CHANNEL PART NUMBER BREAKDOWN:

<table>
<thead>
<tr>
<th>CHS SERIES</th>
<th>R APPLICATION</th>
<th>1208 DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: 1.39” (35.25mm)</td>
<td>B: 0.96” (24.50mm)</td>
<td>C: 1.39” (35.25mm)</td>
</tr>
</tbody>
</table>

#### 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
- CHW-S-35mm-EC
- CHW-S-35mm-ECH
- CHW-S-35mm-SC
- CHW-S-XX35-BS
- CHW-S-XX35-B90F
- CHW-S-XX35-B90R

#### CORNER CHANNELS

#### MATERIAL
- Anodized Aluminum

#### DESCRIPTION
- Slim corner mount channel.

#### LENGTH
- 2 meter

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

#### ACCESSORIES
- Endcap
- CHS-C-1919-EC
- CHS-C-1919-ECH
- CHS-C-1919-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**:
  - A: CHW-C-3030-CC
  - B: CHW-C-3030-CF
  - C: CHW-C-3030-CM
  - D: CHW-C-3030-EC
  - E: 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**:
  - A: CHW-C-3030S-CC
  - B: CHW-C-3030S-CF
  - C: CHW-C-3030S-CM
  - D: CHW-C-3030S-EC
  - E: 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-1922R**

- **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/H-2027**

- **Material**: Anodized Aluminum
- **Description**: Small surface mounted or hanging channel with wrap around lens.
- **Length**: 2 meter
- **Lens Types**:
  - A: CHW-S/H-2027-CC
  - B: CHW-S/H-2027-CF
  - C: CHW-S/H-2027-CM
  - D: CHW-S/H-2027-EC
  - Hanging Hardware: CHW-S/H-HH
  - Bracket Straight: CHW-S/H-B3
  - Bracket 90° Flat: CHW-S/H-B90F
  - Bracket 90° Raised: CHW-S/H-B90R

- **Notes**:
  - *Must specify for hanging or surface mount application.

**Configuration**

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

<table>
<thead>
<tr>
<th>Endcap</th>
<th>CHW-SH-3561-EC</th>
</tr>
</thead>
<tbody>
<tr>
<td>End Cap w/hole</td>
<td>CHW-SH-3561-ECH</td>
</tr>
<tr>
<td>Hanging Hardware</td>
<td>CHW-Sh-850F</td>
</tr>
<tr>
<td>Bracket Straight</td>
<td>CHW-Sh-850R</td>
</tr>
<tr>
<td>Bracket 90° Flat</td>
<td>CHW-Sh-850F</td>
</tr>
<tr>
<td>Bracket 90° Raised</td>
<td>CHW-Sh-850R</td>
</tr>
</tbody>
</table>

**Dimensions**
- **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-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**

<table>
<thead>
<tr>
<th>Endcap</th>
<th>CHW-SH-3030-EC</th>
</tr>
</thead>
<tbody>
<tr>
<td>End Cap w/hole</td>
<td>CHW-SH-3030-ECH</td>
</tr>
<tr>
<td>Hanging Hardware</td>
<td>CHW-Sh-850F</td>
</tr>
<tr>
<td>Bracket Straight</td>
<td>CHW-Sh-850R</td>
</tr>
<tr>
<td>Bracket 90° Flat</td>
<td>CHW-Sh-850F</td>
</tr>
<tr>
<td>Bracket 90° Raised</td>
<td>CHW-Sh-850R</td>
</tr>
</tbody>
</table>

**Dimensions**
- **A:** 1.18" (30.00mm)
- **B:** 1.01" (25.60mm)
- **C:** 1.18" (30.00mm)

*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**

<table>
<thead>
<tr>
<th>Endcap</th>
<th>CHW-SH-7532-EC</th>
</tr>
</thead>
<tbody>
<tr>
<td>End Cap w/hole</td>
<td>CHW-SH-7532-ECH</td>
</tr>
<tr>
<td>Hanging Hardware</td>
<td>CHW-Sh-850F</td>
</tr>
<tr>
<td>Bracket Straight</td>
<td>CHW-Sh-850R</td>
</tr>
<tr>
<td>Bracket 90° Flat</td>
<td>CHW-Sh-850F</td>
</tr>
<tr>
<td>Bracket 90° Raised</td>
<td>CHW-Sh-850R</td>
</tr>
</tbody>
</table>

**Dimensions**
- **A:** 2.95" (75.00mm)
- **B:** 2.52" (64.00mm)
- **C:** 0.84" (21.43mm)

*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**

| Channel Mounted Magnet | CHC-S-1921-MA |
| Wall Mounted Magnet | CHC-S-1921-M |
| 1" Mounting Plate | CHC-S-1921-B1 |

**Dimensions**
- **A:** 0.76" (19.43mm)
- **B:** 0.55" (14.09mm)
- **C:** 0.84" (21.43mm)
ACCESSORIES

**LC-I5P-M**
Indoor Lead Connector (Male)

**LC-I5P-F**
Indoor Lead Connector (Female)

**LC-O5P-F**
Outdoor Lead Connector (Female)

**LC-O5P-M**
Outdoor Lead Connector (Male)

**FLEX.ZIP**
Strain Relief Clip

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

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

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.

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.
### ELECTRONIC DRIVER W/DMX MODULE

<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

| 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 |

---

**Diagram:**

- **GG100E-24-UNV**

- **DMX Module Dimensions**
  - H: 1.97", W: 6.02", D: 0.91"

- **Electronics Driver Dimensions**
  - H: 3.00", W: 11.46", D: 1.30"

- **Connections**
  - DMX in +
  - DMX in -
  - DMX in shield
  - LEDSync thru +
  - LEDSync thru -
  - LEDSync shield

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

---

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