**FLEX DC® 88 RGB** 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.

- FLEX DC® RGB is dimmable via DMX.
- IP68 version is UV resistant

### ELECTRICAL

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>24VDC</td>
</tr>
<tr>
<td>Dimming Options</td>
<td>• DMX</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>8.8 Watts per foot</td>
</tr>
<tr>
<td>Wire Size</td>
<td>18AWG, 4 wire</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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Cuttable</td>
<td>Every 1.96&quot;</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C (-40°F) to +70°C (+158°F)</td>
</tr>
<tr>
<td>Environment</td>
<td>IP40 - Dry Location</td>
</tr>
<tr>
<td></td>
<td>IP68 - Wet Location</td>
</tr>
<tr>
<td>Maximum Class 2 Run Length</td>
<td>IP40: 10', IP68: 10'</td>
</tr>
<tr>
<td>Dimensions (W x H):</td>
<td>IP40 - 0.63&quot; (15.88mm) x 0.13&quot; (3.18mm)</td>
</tr>
<tr>
<td></td>
<td>IP68 - 0.69&quot; (17.47mm) x 0.25&quot; (6.35mm)</td>
</tr>
<tr>
<td></td>
<td>IP68 Endcaps - 0.33&quot; (8.40mm) x 0.77&quot; (30.17mm)</td>
</tr>
</tbody>
</table>

### ACCESSORIES

| Channels | Optic Arts® Channel (pg. 3-5) |
| Connectors | LC-I5P-M, LC-I5P-F, LC-OSP-F, LC-OSP-M (pg. 6) |

**NOTE:** IP40 version must be used in conjunction with Optic Arts® "THERMTAPE" and Optic Arts® Channel for proper heat dissipation.

### LUMEN OUTPUT

(All Leds At 100%)

| Lumen Maintenance | 50,000 Hours |
| Warranty          | 5 years     |

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

### PERFORMANCE

| Lumen Maintenance | 50,000 Hours |
| Warranty          | 5 years     |

### PART NUMBER BUILDER

<table>
<thead>
<tr>
<th>SERIES</th>
<th>+</th>
<th>IP RATING</th>
<th>+</th>
<th>COLOR</th>
<th>+</th>
<th>VOLTAGE</th>
<th>+</th>
<th>WATTAGE</th>
<th>+</th>
<th>CONFIGURATION</th>
<th>+</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLEXDC</td>
<td></td>
<td>40 = IP40 - Dry Location</td>
<td>68 = IP68 - Wet Location</td>
<td>RGB</td>
<td>24 = 24 VDC</td>
<td>88 = 8.8W</td>
<td>FLC1 = FLEX Config 1</td>
<td>FLC2 = FLEX Config 2</td>
<td>FLC3 = FLEX Config 3</td>
<td>XX = Custom Length</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**FLEX DC® 88 RGB**

**DIMENSIONS**

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® 88

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>0.59” (14.97mm)</td>
</tr>
<tr>
<td>Height</td>
<td>0.09” (2.21mm)</td>
</tr>
<tr>
<td>Cuttable Segment Length</td>
<td>1.96” (49.75mm)</td>
</tr>
<tr>
<td>Pitch Length</td>
<td>0.66” (16.75mm)</td>
</tr>
<tr>
<td>Max Run Length</td>
<td>10.00’ (3048.00mm)</td>
</tr>
</tbody>
</table>

### OUTDOOR FLEX DC® 88

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>0.69” (17.61mm)</td>
</tr>
<tr>
<td>Height</td>
<td>0.22” (5.59mm)</td>
</tr>
<tr>
<td>Width (Endcap)</td>
<td>0.77” (19.54mm)</td>
</tr>
<tr>
<td>Height (Endcap)</td>
<td>0.33” (8.40mm)</td>
</tr>
<tr>
<td>Max Run Length</td>
<td>10.00’ (3048.00mm)</td>
</tr>
</tbody>
</table>

*Encased in silicone

---

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MOUNTING OPTIONS - COMPATIBLE CHANNELS

KEY

CHANNEL PART NUMBER BREAKDOWN:

<table>
<thead>
<tr>
<th>CHS</th>
<th>R</th>
<th>1208</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERIES</td>
<td>APPLICATION</td>
<td>DIMENSIONS</td>
</tr>
<tr>
<td>CHS = Slim Channel</td>
<td>S = Surface Mount</td>
<td>XXXX = W x H (mm)</td>
</tr>
<tr>
<td>CHW = Wide Channel</td>
<td>R = Recessed Mount</td>
<td></td>
</tr>
<tr>
<td>C = Corner Mount</td>
<td>H = Hanging Mount</td>
<td></td>
</tr>
</tbody>
</table>

Not Blended
Blended w/Milky Lens
Center Blend

FLEX DC® 88 RGB Specification Sheet

MOUNTING OPTIONS - COMPATIBLE CHANNELS

CHS-R-1208

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

CORNER CHANNELS

CHW-C-3030
Fits IP40 FLEX DC® Only

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

SPECIALTY 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

CHW-R-4435

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 CHW-R-4435-EC
Milky CHW-R-4435-MC

Fits IP40 FLEX DC® Only

Fits IP40 FLEX DC® Only

*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-S/H-3561-CM

**ACCESSORIES:**
- Endcap: CHW-S/H-3561-EC
- End Cap w/hole: CHW-S/H-3561-ECH
- Hanging Hardware: CHW-S/H-MN
- Bracket Straight: CHW-S/H-BS
- Bracket 90° Flat: CHW-S/H-890F
- Bracket 90° Raised: CHW-S/H-890R

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-S/H-3030-CM
- Endcap: CHW-S/H-3030-EC
- Endcap w/hole: CHW-S/H-3030-ECH
- Hanging Hardware: CHW-S/H-MN
- Bracket Straight: CHW-S/H-BS
- Bracket 90° Flat: CHW-S/H-890F
- Bracket 90° Raised: CHW-S/H-890R

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-S/H-7532-CF

**ACCESSORIES:**
- Endcap: CHW-S/H-7532-EC
- Endcap w/hole: CHW-S/H-7532-ECH
- Hanging Hardware: CHW-S/H-MN
- Bracket Straight: CHW-S/H-BS
- Bracket 90° Flat: CHW-S/H-890F
- Bracket 90° Raised: CHW-S/H-890R

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

*Must specify for hanging or surface mount application.

**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

A: 1.03" (26.20mm)  
B: 0.80" (20.35mm)  
C: 0.89" (22.76mm)

Fits IP40 FLEX DC® Only

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FLEX DC® 88 RGB

Spec Sheet

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ACCESSORIES

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

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

**LC-O5F-F**  
Outdoor Lead Connector  
(Female)

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

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**FLEX.ZIP**  
Strain Relief Clip

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CONFIGURATION TYPES

[NOT COMPATIBLE] FLEX cut to length with FLEX Connect® Power Feeds for Field Termination, Channel uncut for field cutting

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

2. Cut To Length With Soldered Leads, Assemble On-Site 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 • 7.0' max length • Standard 6' power lead unless otherwise specified • The below channels CANNOT be factory assembled:
  - Small:
    - CH-SM-LS-RE
    - CH-SM-LT-RE
  - Medium:
    - CH-MD-LS-RE
  - Large:
    - CHW-S-3030
    - 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.
**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