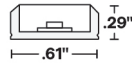
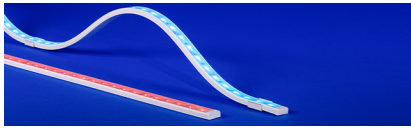




# Q-CAP WURM™ RGBW

## 24VDC Flexible Fixtures



- Flexible encapsulated fixture with CLEAR encapsulation only
- Both helical bend and up/down bend
- 6" bend radius
- Interior and exterior rated (not including FC)
- Two mounting options available
- Do not cut Non-Field Cuttable Q-CAP flexible fixtures

| 1         | 2        | 3     | 4   | 5       | 6      | 7                 | 8                  | 9                   | 10       | 11     |
|-----------|----------|-------|-----|---------|--------|-------------------|--------------------|---------------------|----------|--------|
| PRODUCT   | MOUNTING | RATED | CCT | WATTAGE | LENS   | WIRE INPUT/OUTPUT | CONNECTOR/ WIRE IN | CONNECTOR/ WIRE OUT | END CAPS | LENGTH |
| WURM-RGBW |          |       |     |         | ENC/CL | S1                |                    | N/A                 | WH       | 48"    |

Sample Part Number: **WURM-RGBW-WSCS-DRY-RGBW-30-6.0-ENC/CL-P1-BW-BW-N/A-48"-E**

|  |  |  |  |
|--|--|--|--|
| <b>1</b><br><b>PRODUCT</b><br><br><b>WURM-RGBW</b><br><br>See last page for compatible power supplies.   | <b>2</b><br><b>MOUNTING</b><br><br><b>MCS</b> Magnetic Clip Small<br><b>WSCS</b> White Snug Clip Small<br><b>BN-UD-SST-16'</b> 16' BENDIT Up/Down Stainless Steel Channel<br><b>BN-UD-SST-32'</b> 32' BENDIT Up/Down Stainless Steel Channel<br><b>BN-UD-WH-16'</b> 16' BENDIT Up/Down White Channel<br><b>BN-UD-WH-32'</b> 32' BENDIT Up/Down White Channel<br><br>White snug clip only for indirect cove use, not intended for hanging fixtures upside down. | <b>3</b><br><b>RATED</b><br><br><b>DRY</b> IP20<br><b>WET</b> IP67                     | <b>4</b><br><b>CCT</b><br><br><b>RGBW-27</b> RGBW-2700K<br><b>RGBW-30</b> RGBW-3000K<br><br><b>RGBW-27</b> RGBW-2700K<br><b>RGBW-30</b> RGBW-3000K<br><b>RGBW-35</b> RGBW-3500K<br><b>RGBW-40</b> RGBW-4000K                               |
| <b>5</b><br><b>WATTAGE</b><br><br><b>6.0</b> 6.0W-SO<br>SO: Standard Output<br><br><b>4.0HE</b> 4.0WHE-SO<br>SO: Standard Output   | <b>6</b><br><b>LENS</b><br><br><b>ENC/CL</b> Encapsulated in Clear<br><br>For representation of LED visibility, see Diode Visibility section on following pages  | <b>7</b><br><b>WIRE INPUT/OUTPUT</b><br><br><b>S1</b> Single 1 (Input only) - End Feed |  |
| <b>8</b><br><b>CONNECTOR/WIRE IN</b><br><br><b>BW</b> Bare Wire (Standard 24")<br><b>CON6</b> Connector 6"<br><b>CON24</b> Connector 24"<br><br>BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48) | <b>9</b><br><b>CONNECTOR/WIRE OUT</b><br><br><b>N/A</b> Closed End (No feed)   | <b>10</b><br><b>END CAPS</b><br><br><b>WH</b> White                                    | <b>11</b><br><b>LENGTH</b><br><br><b>48"</b> Optimal<br><br>Minimum length is 12", maximum length is 191" not including end caps. Contact us for lengths under 12". RGBW: Available in 4" increments. RGBW-HE: Available in 2" increments. |

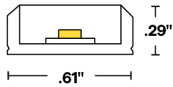
5 year warranty | Up/Down & Helical Bend | Data subject to change, all data has +/- 5% tolerance | Ambient or mounting surface must not be lower than -4°F or higher than 125°F | Patent # D846,786 S, 10,619,828 B2 | Only FC fixtures are Field-Cuttable per installation instructions | Field Cuttable is not returnable or refundable after it has been cut



# Q-CAP WURM™ RGBW

24VDC Flexible Fixtures

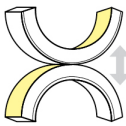
## 1 PRODUCT - DIMENSIONS



Profile  
(Standard)

### BEND RADIUS

Up/Down Bend



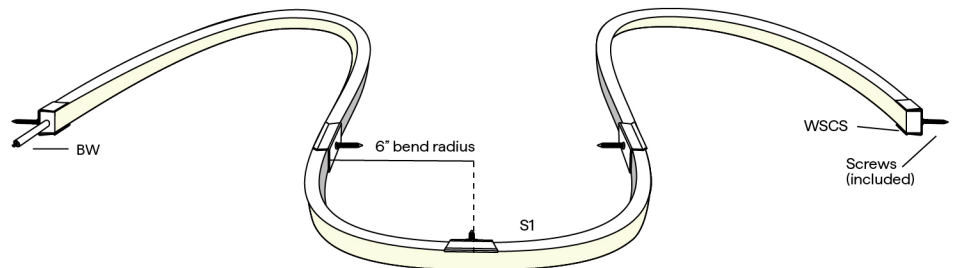
6" bending radius

Helical Bend



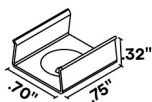
6" bending radius  
Max recommended rotation  
of 1 rotation per 16'

### FLEXIBILITY



## 2 MOUNTING

WSCS

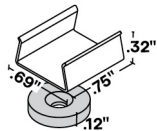


White Snug Clip Small  
Indirect uplight

To order separately use WSCS

Each clip comes with a #6x5/8" flat  
screw

MCS

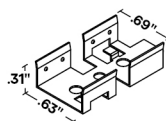


Magnetic Clip Small  
Cove use only

To order separately use MCS

each clip comes with a #6x1 1/4"  
screw

BN-UD



BENDIT Channel  
Vertical Stainless Steel  
Flexible Channel

Continuous mounting solution for  
flexible fixtures, 16' or 32' field  
cuttable lengths

To order separately use either  
STND-QCAP-BN-UD-S-SST-16',  
STND-QCAP-BN-UD-S-SST-32',  
STND-QCAP-BN-UD-S-WH-16', or  
STND-QCAP-BN-UD-S-WH-32'

64 #4-40 1/2" screws provided per  
16'



# Q-CAP WURM™ RGBW

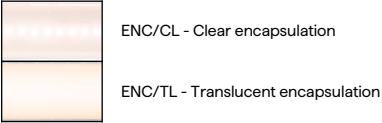
## 24VDC Flexible Fixtures

### 4 / 5 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]  
Tested with WURM-RGBW-WSCS-DRY

| 4.0HE W/FT Total Load |                     |            |                 | 6.0W/FT Total Load |            |                 |                 |         |                 |
|-----------------------|---------------------|------------|-----------------|--------------------|------------|-----------------|-----------------|---------|-----------------|
| CCT                   | 3.0W/FT Per Channel |            |                 | ENC/CL             |            |                 | Circuit Wattage |         |                 |
|                       | ENC/CL              |            |                 | ENC/CL             |            |                 |                 |         |                 |
|                       | LM                  | Wavelength | Circuit Wattage | LM                 | Wavelength | Circuit Wattage |                 |         |                 |
|                       | Red                 | 35         | 630             | 0.77               | 34         | 632             |                 | 1.3     |                 |
| Green                 | 128                 | 517        | 1.2             | 99                 | 514        | 1.6             |                 |         |                 |
| Blue                  | 31                  | 464        | 1.1             | 25                 | 464        | 1.5             |                 |         |                 |
| CCT                   | 1.0W/FT Per Channel |            |                 | ENC/CL             |            |                 |                 |         | Circuit Wattage |
|                       | ENC/CL              |            |                 | ENC/CL             |            |                 |                 |         |                 |
|                       | LM                  | CRI        | Circuit Wattage | LM                 | CRI Ra     | CRI R9          | TM30 Rf         | TM30 Rg |                 |
|                       | 2700K               | 70         | 98              | 0.86               | 91         | 93              | 69              | 87      |                 |
| 3000K                 | 75                  | 97         | 0.86            | **                 | **         | **              | **              | **      |                 |
| 3500K                 | 77                  | 95         | 0.86            |                    |            |                 |                 |         |                 |
| 4000K                 | 77                  | 96         | 0.86            |                    |            |                 |                 | 1.7     |                 |

### 6 DIODE VISIBILITY



### TEMPERATURE RATINGS

|                                  | 6.0 W/FT |       | 4.0 HE W/FT |       |
|----------------------------------|----------|-------|-------------|-------|
|                                  | Min      | Max   | Min         | Max   |
| Ambient Operating Temp - Surface | -4°F     | 100°F | -4°F        | 110°F |
| Storage Temp                     | -4°F     | 140°F | -4°F        | 176°F |
| Installation Temp                | 50°F     | 100°F | 50°F        | 100°F |

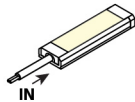
### BUG RATING

| WATTAGE   | B  | U  | G  |
|---|----|----|----|
| 6.0 (ALL CCTs & COLORS), 4.0(ALL CCTs & COLORS) | B0 | U1 | G0 |

### 7 WIRE INPUT/OUTPUT

SINGLE (Input only)

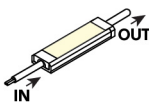
S1



End Feed

PASS THROUGH (Input/Output)

P1



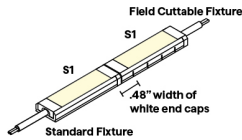
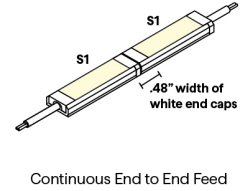
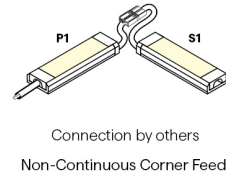
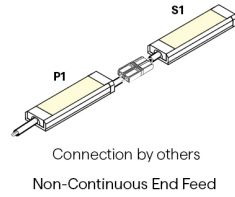
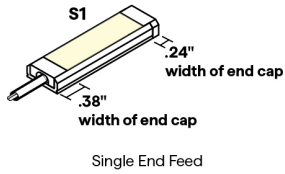
End Feed



# Q-CAP WURM™ RGBW

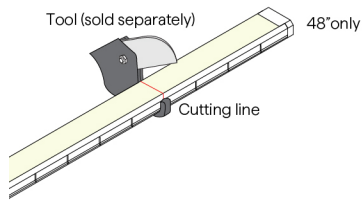
## 24VDC Flexible Fixtures

### CONFIGURATION OPTIONS

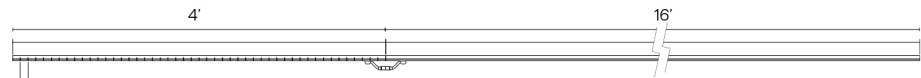


Field Cuttable - Continuous End to End Feed

### FIELD CUTTABLE MARKING



Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment



**Note:** Only FC fixtures are field cuttable — Do not attempt to cut non FC fixtures.  
Cut only on the marked cut lines. Only cut from non-feed end. Do not attempt to cut while power is on.

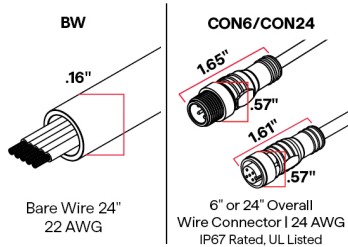


# Q-CAP WURM™ RGBW

24VDC Flexible Fixtures

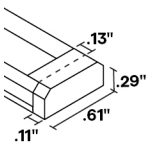
## 8 / 9 CONNECTOR/WIRE – IN/OUT

Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out, and WH for End Caps



## 10 END CAPS (NO FEED)

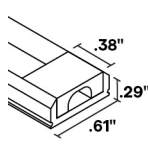
**WH**  
(only used in  
A. Non-Field Cuttable  
Q-CAP)



White endcaps  
.11\" added at end  
.24\" dim spot

## END CAPS (WITH FEED)

**End Feed**  
S1, P1



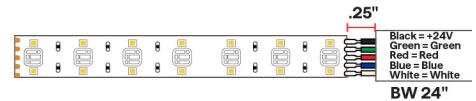
White endcaps  
.0\" added at end  
.38\" dim spot

## 11 LENGTH - WIRING DETAIL

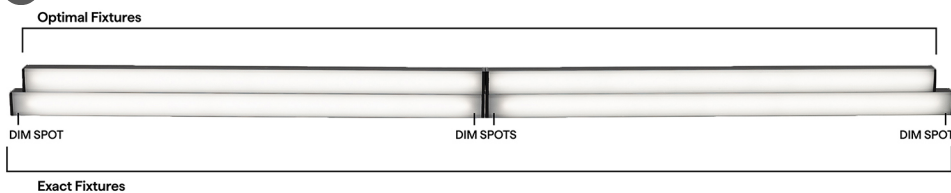
6.0W | Available in 4\" increments 12\"-19\"



4.0HEW | Available in 2\" increments 12\"-19\"



## 12 EXACT/OPTIMAL FIXTURE LENGTH



Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.



# Q-CAP WURM™ RGBW

24VDC Flexible Fixtures



## RGBW LENGTHS BY INCH

Available in any length in between 12" and 191", chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 - 1/8". Consult factory for lengths under 12".

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of fixture |
|------------------|---|
| 12"              | 2"  |
| 13"              | .5"   |
| 14"              | 1"  |
| 15"              | 1.5"  |
| 16"              | 2"  |
| 17"              | .5"   |
| 18"              | 1"  |
| 19"              | 1.5"  |
| 20"              | 2"  |
| 21"              | .5"   |
| 22"              | 1"  |
| 23"              | 1.5"  |
| 24"              | 2"  |
| 36"              | 2"  |
| 48"              | 2"  |
| 60"              | 2"  |
| 72"              | 2"  |
| 84"              | 2"  |
| 96"              | 2"  |

### OPTIMAL LENGTH: highlighted rows are closest to requested nominal length

| Requested Nominal Length | S1  | P1  |
|--------------------------|---|---|
|                          |  |  |
| 12"                      | 8.75"   | 9"  |
| 13"                      | 12.75"  | 13"   |
| 14"                      | 12.75"  | 13"   |
| 15"                      | 12.75"  | 13"   |
| 16"                      | 12.75"  | 13"   |
| 17"                      | 16.75"  | 17"   |
| 18"                      | 16.75"  | 17"   |
| 19"                      | 16.75"  | 17"   |
| 20"                      | 16.75"  | 17"   |
| 21"                      | 20.75"  | 21"   |
| 22"                      | 20.75"  | 21"   |
| 23"                      | 20.75"  | 21"   |
| 24"                      | 20.75"  | 21"   |
| 36"                      | 32.75"  | 33"   |
| 48"                      | 44.75"  | 45"   |
| 60"                      | 56.75"  | 57"   |
| 72"                      | 68.75"  | 69"   |
| 84"                      | 80.75"  | 81"   |
| 96"                      | 92.75"  | 93"   |



## RGBW-HE LENGTHS BY INCH

Available in any length in between 12" and 191", chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 - 1/8". Consult factory for lengths under 12".

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of fixture |
|------------------|---|
| 12"              | 1"  |
| 13"              | .5"   |
| 14"              | 1"  |
| 15"              | .5"   |
| 16"              | 1"  |
| 17"              | .5"   |
| 18"              | 1"  |
| 19"              | .5"   |
| 20"              | 1"  |
| 21"              | .5"   |
| 22"              | 1"  |
| 23"              | .5"   |
| 24"              | 1"  |
| 36"              | 1"  |
| 48"              | 1"  |
| 60"              | 1"  |
| 72"              | 1"  |
| 84"              | 1"  |
| 96"              | 1"  |

### OPTIMAL LENGTH: highlighted rows are closest to requested nominal length

| Requested Nominal Length | S1  | P1  |
|--------------------------|---|---|
|                          |  |  |
| 12"                      | 10.75"  | 11"   |
| 13"                      | 12.75"  | 13"   |
| 14"                      | 12.75"  | 13"   |
| 15"                      | 14.75"  | 15"   |
| 16"                      | 14.75"  | 15"   |
| 17"                      | 16.75"  | 17"   |
| 18"                      | 16.75"  | 17"   |
| 19"                      | 18.75"  | 19"   |
| 20"                      | 18.75"  | 19"   |
| 21"                      | 20.75"  | 21"   |
| 22"                      | 20.75"  | 21"   |
| 23"                      | 22.75"  | 23"   |
| 24"                      | 22.75"  | 23"   |
| 36"                      | 34.75"  | 35"   |
| 48"                      | 46.75"  | 47"   |
| 60"                      | 58.75"  | 59"   |
| 72"                      | 70.75"  | 71"   |
| 84"                      | 82.75"  | 83"   |
| 96"                      | 94.75"  | 95"   |



# Q-CAP WURM™ RGBW

24VDC Flexible Fixtures

## COMPATIBLE POWER SUPPLIES


See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

| DIM TO LEVEL | INDOOR   | OUTDOOR   |
|--------------|--|---|
|              | RGBW, RGBW-HE  | RGBW, RGBW-HE   |
| 0.1%         | QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DMX<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DMX<br>QZ-DMX | Q-SET-QZ-DMX<br>QOM-eLED+DALI-DT8<br>QOM-eLED+DMX<br>QOM-eLED+PS-DALI-DT8<br>QZ-DMX |
| 1%           | QZ-DALI-DT8  | Q-SET+QZ-DALI-DT8<br>QZ-DALI-DT8  |
| 10%          | Non-Dim Power Supply with RGBW App Dongle  |   |

| DIMMING PROTOCOL | INDOOR   | OUTDOOR   |
|------------------|--|---|
|                  | RGBW, RGBW-HE  | RGBW, RGBW-HE   |
| DMX              | QTM-eLED+DMX<br>QZ-DMX                                   | Q-SET-QZ-DMX<br>QOM-eLED+DMX<br>QZ-DMX                |
| DALI-2: DT8      | QT-CAB-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8<br>QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8<br>QOM-eLED+DALI-DT8<br>QZ-DALI-DT8 |
| SCENE App Dimmed | Non-Dim Power Supply with RGBW App Dongle                |   |


## COMPATIBLE MOUNTING ACCESSORIES

NJ-MEDIUM




J Mounting Bracket

SD-L-MEDIUM



L Mounting Bracket

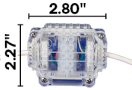
IQ-QCAP-UNV-CUTTER



QTL recommended  
FC Cutter

## COMPATIBLE WIRING ACCESSORIES

Q-mini-J5



UL Listed, miniature  
junction box, DRY/DMP  
(WET rated with silicone)

## COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth  
Connectivity



## Q-CAP WURM™ RGBW

24VDC Flexible Fixtures

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### COMPATIBLE APPS

#### NFC APP



Read and write  
DMX addresses and  
adjust voltage