# Q-CAP WURM™ RGB

24VDC Flexible Fixtures






- Flexible encapsulated fixture
- 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

## ORDERING PROCESS

(A) Specify Non-Field Cuttable Q-CAP

(B) (Optional) Specify field cuttable 4' piece - used to adjust total run length in the field (dry applications only)

## A. NON-FIELD CUTTABLE Q-CAP

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

| A1 | A2 | A3 | A4 | A5 | A6 |
|---|---|---|---|---|---|
| PRODUCT | MOUNTING | RATED | CCT | WATTAGE | LENS |
| WURM-RGB | | | RGB | 6.0 | ENC/CL |

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

| A7 | A8 | A9 | A10 | A11 | A12 |
|---|---|---|---|---|---|
| WIRE INPUT/ OUTPUT | CONNECTOR/ WIRE IN | CONNECTOR/ WIRE OUT | END CAPS | LENGTH (IN) | EXACT/ OPTIMAL |
| | | | WH | | |

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

### A1 PRODUCT

**WURM-RGB**

See last page for compatible power supplies.

### A2 MOUNTING

| | |
|---|---|
| **MCS** | Magnetic Clip Small |
| **WSCS** | White Snug Clip Small |
| **BN-UD-SST-16'** | 16' BENDIT Up/Down Stainless Steel Channel |
| **BN-UD-SST-32'** | 32' BENDIT Up/Down Stainless Steel Channel |
| **BN-UD-WH-16'** | 16' BENDIT Up/Down White Stainless Channel |
| **BN-UD-WH-32'** | 32' BENDIT Up/Down White Stainless Channel |

White snug clip only for indirect cove use, not intended for hanging fixtures upside down.

### A3 RATED

| | |
|---|---|
| **DRY** | IP20 |
| **WET** | IP67 |

### A4 CCT

**RGB**

### A5 WATTAGE

**6.0** 6.0W-SO

SO: Standard Output

### A6 LENS

**ENC/CL** Encapsulated in Clear

For representation of LED visibility, see Diode Visibility section on following pages

### A7 WIRE INPUT/OUTPUT

**SINGLE (Input only)**
**S1** End Feed

**PASS THROUGH (Input/Output)**
**P1** End Feed

### A8 CONNECTOR/WIRE IN

**BW** Bare Wire (Standard 24")
**CON6** Connector 6"
**CON24** Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

**BW** Bare Wire (Standard 24")
**CON6** Connector 6"
**CON24** Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

### A9 CONNECTOR/WIRE OUT

**N/A** Closed End (No feed)

**BW** Bare Wire (Standard 24")
**CON6** Connector 6"
**CON24** Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

### A10 END CAPS

| | |
|---|---|
| Single → **WH** | White |
| Pass Through → **N/A** | Not Applicable |

### A11 LENGTH (IN)

Minimum length is 12", maximum length is 191" not including end caps. Contact us for lengths under 12".
Available in 2" increments.

### A12 EXACT/OPTIMAL

**O** Optimal Illumination
**E** Exact Specified Length

Exact fixtures are the exact length specified +0 -1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.

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

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24VDC Flexible Fixtures

## B. FIELD CUTTABLE Q-CAP

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

| B1 | B2 | B3 | B4 | B5 | B6 |
|---|---|---|---|---|---|
| PRODUCT | MOUNTING | RATED | CCT | WATTAGE | LENS |
| WURM-FC-RGB | | DRY | RGB | 6.0 | ENC/CL |

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

| B7 | B8 | B9 | B10 | B11 | B12 |
|---|---|---|---|---|---|
| WIRE INPUT/ OUTPUT | CONNECTOR/ WIRE IN | CONNECTOR/ WIRE OUT | END CAPS | LENGTH (IN) | EXACT/ OPTIMAL |
| | | N/A | WH | 48” | N/A |

Sample Part Number: **WURM-FC-RGB-WSCS-DRY-RGB-6.0-ENC/CL-S1-BW-N/A-WH-48"-N/A**

### B1 PRODUCT

**WURM-FC-RGB**

See last page for compatible power supplies.

### B2 MOUNTING

| | |
|---|---|
| **MCS** | Magnetic Clip Small |
| **WSCS** | White Snug Clip Small |
| **BN-UD-SST-16’** | 16’ BENDIT Up/Down Stainless Steel Channel |
| **BN-UD-SST-32’** | 32’ BENDIT Up/Down Stainless Steel Channel |
| **BN-UD-WH-16’** | 16’ BENDIT Up/Down White Stainless Channel |
| **BN-UD-WH-32’** | 32’ BENDIT Up/Down White Stainless Channel |

White snug clip only for indirect cove use, not intended for hanging fixtures upside down.

### B3 RATED

**DRY** IP20

### B4 CCT

**RGB**

### B5 WATTAGE

**6.0** 6.0W-SO

SO: Standard Output

### B6 LENS

**ENC/CL** Encapsulated in Clear

For representation of LED visibility, see Diode Visibility section on following pages

### B7 WIRE INPUT/OUTPUT

**SINGLE (Input only)**
**S1** End Feed

### B8 CONNECTOR/WIRE IN

| | |
|---|---|
| **BW** | Bare Wire (Standard 24”) |
| **CON6** | Connector 6” |
| **CON24** | Connector 24” |

BW: Standard length is 24”, Max length is 120”. Request custom length by writing in part number next to BW (example: BW48)

### B9 CONNECTOR/WIRE OUT

**N/A** Closed End (No feed)

### B10 END CAPS

**WH** White

Due to cutting, white endcaps are not available.

**Single**

### B11 LENGTH (IN)

**48”** Nominal

Starting Run length is 48.38” for S1
Each cut point subtracts from the Starting Run Length
6.0 has a 2” cut point
S1 can be cut down to as little as 2.38”

### B12 EXACT/OPTIMAL

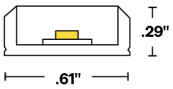
**N/A**

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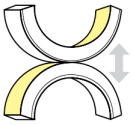
## 1 PRODUCT - DIMENSIONS




Profile
(Standard)

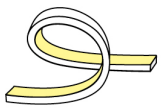
### BEND RADIUS

**Up/Down Bend**



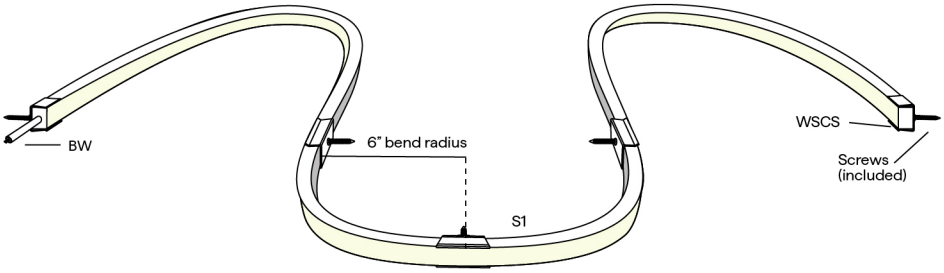
6" bending radius

**Helical Bend**



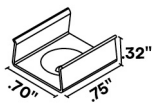
6" bending radius
Max recommended rotation of 1 rotation per 16"

### FLEXIBILITY




## 2 MOUNTING

**WSCS**

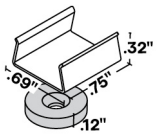



White Snug Clip Small
Indirect uplight

To order separately use WSCS

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

**MCS**

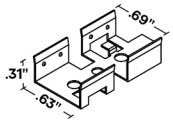



Magnetic Clip Small
Cove use only

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'

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## 4/5 DELIVERED LUMENS

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

| CCT | 6.0W/FT Total Load | | |
|---|---|---|---|
| | ENC/CL | | Circuit Wattage |
| | LM | Wavelength | |
| Red | 94 | 630 | 2.4 |
| Green | 177 | 523 | 1.9 |
| Blue | 54 | 469 | 1.7 |
| All | 308 | - | 6.0 |

## 6 DIODE VISIBILITY

ENC/CL - Clear encapsulation

## BUG RATING

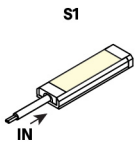
| WATTAGE | B | U | G |
|---|---|---|---|
| 6.0 (ALL CCTs) | B0 | U1 | G0 |

## TEMPERATURE RATINGS

| | 6.0 W/FT | |
|---|---|---|
| | Min | Max |
| Ambient Operating Temp - Surface | -14°F | 90°F |
| Storage Temp | -13°F | 176°F |
| Installation Temp | 50°F | 100°F |

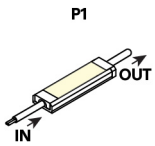
## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



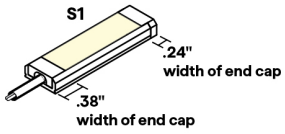

End Feed

PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP

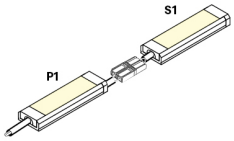



End Feed

## CONFIGURATION OPTIONS

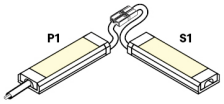



Single End Feed



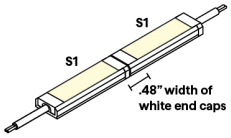

Connection by others

Non-Continuous End Feed

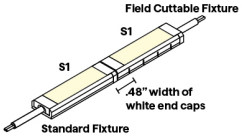



Connection by others

Non-Continuous Corner Feed




Continuous End to End Feed



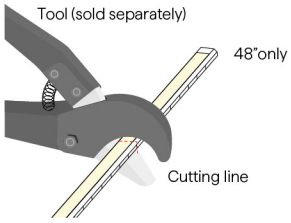

Field Cuttable - Continuous End to End Feed

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# Q-CAP WURM™ RGB

24VDC Flexible Fixtures

## FIELD CUTTABLE MARKING



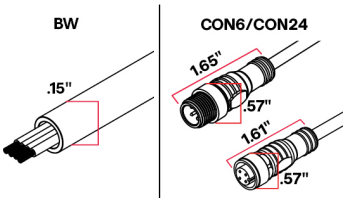

Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment




**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.

## 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

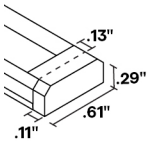



Bare Wire 24"
22 AWG

6" or 24" Overall
Wire Connector | 24 AWG
IP67 Rated, UL Listed

## 10 END CAPS (NO FEED)

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



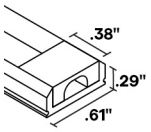

White endcaps
.11" added at end

.24" dim spot

## END CAPS (WITH FEED)

**End Feed**

S1, P1

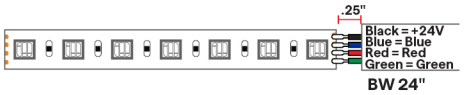



White endcaps
.0" added at end

.38" dim spot

## 11 LENGTH - WIRING DETAIL

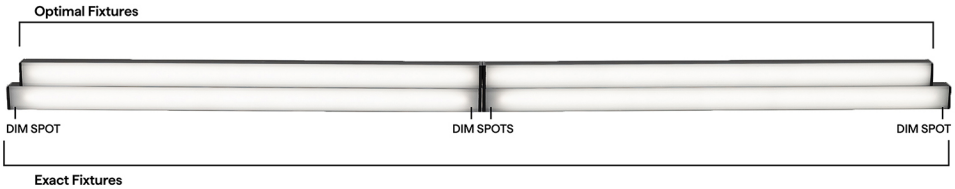
Available in 2" increments 12"-191"




## 12 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator →  E/O Explained →

Exact fixtures are the exact length specified +0 -1/8". 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.



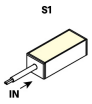

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# Q-CAP WURM™ RGB

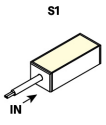
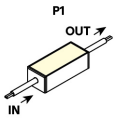
24VDC Flexible Fixtures

## RGB ENC LENGTHS BY INCH

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture   |
|---|---|
| 12" | 1" |
| 13" | 0.5" |
| 14" | 1" |
| 15" | 0.5" |
| 16" | 1" |
| 17" | 0.5" |
| 18" | 1" |
| 19" | 0.5" |
| 20" | 1" |
| 21" | 0.5" |
| 22" | 1" |
| 23" | 0.5" |
| 24" | 1" |
| 36" | 1" |
| 48" | 1" |
| 60" | 1" |
| 72" | 1" |
| 84" | 1" |
| 96" | 1" |

### OPTIMAL LENGTH

| Requested Nominal Length | S1   | P1   |
|---|---|---|
| 12" | 10.75" | 11.00" |
| 13" | 12.75" | 13.00" |
| 14" | 12.75" | 13.00" |
| 15" | 14.75" | 15.00" |
| 16" | 14.75" | 15.00" |
| 17" | 16.75" | 17.00" |
| 18" | 16.75" | 17.00" |
| 19" | 18.75" | 19.00" |
| 20" | 18.75" | 19.00" |
| 21" | 20.75" | 21.00" |
| 22" | 20.75" | 21.00" |
| 23" | 22.75" | 23.00" |
| 24" | 22.75" | 23.00" |
| 36" | 34.75" | 35.00" |
| 48" | 46.75" | 47.00" |
| 60" | 58.75" | 59.00" |
| 72" | 70.75" | 71.00" |
| 84" | 82.75" | 83.00" |
| 96" | 94.75" | 95.00" |

## 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 |
|---|---|---|
| | RGB | RGB |
| 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+DALI-DT8-PS<br>QOM-eLED+DMX<br>QZ-DMX |
| 1% | QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8<br>QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with RGB App Dongle | |

| DIMMING PROTOCOL | INDOOR | OUTDOOR |
|---|---|---|
| | RGB | RGB |
| 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 |

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# Q-CAP WURM™ RGB

24VDC Flexible Fixtures

## COMPATIBLE MOUNTING ACCESSORIES

**NJ-MEDIUM**



J Mounting Bracket

**SD-L-MEDIUM**



L Mounting Bracket

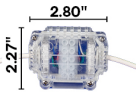
**iQ-QCAP-UNV-CUTTER**



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

## COMPATIBLE APPS

**NFC APP**

Q-NFC

Read and write DMX addresses and adjust voltage

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