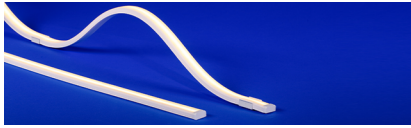




# Q-CAP WURM™ RGB

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

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
PRODUCT	MOUNTING	RATED	CCT	WATTAGE	LENS	WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	END CAPS	LENGTH (IN)	EXACT/ OPTIMAL
WURM-RGB			RGB	6.0	ENC/CL				WH		

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

<b>A1</b> <b>PRODUCT</b> <b>WURM-RGB</b> See last page for compatible power supplies.	<b>A2</b> <b>MOUNTING</b> <b>MCS</b> Magnetic Clip Small <b>WSCS</b> White Snug Clip Small <b>BN-UD-SST-16'</b> 16' BENDIT Up/Down Stainless Steel Channel <b>BN-UD-SST-32'</b> 32' BENDIT Up/Down Stainless Steel Channel <b>BN-UD-WH-16'</b> 16' BENDIT Up/Down White Stainless Channel <b>BN-UD-WH-32'</b> 32' BENDIT Up/Down White Stainless Channel  White snug clip only for indirect cove use, not intended for hanging fixtures upside down.	<b>A3</b> <b>RATED</b> <b>DRY</b> IP20 <b>WET</b> IP67	<b>A4</b> <b>CCT</b> <b>RGB</b>	<b>A5</b> <b>WATTAGE</b> <b>6.0</b> 6.0W-SO SO: Standard Output
<b>A6</b> <b>LENS</b> <b>ENC/CL</b> Encapsulated in Clear For representation of LED visibility, see Diode Visibility section on following pages	<b>A7</b> <b>WIRE INPUT/OUTPUT</b> <b>S1</b> Single 1 (Input only) - End Feed  <b>P1</b> Pass Through 1 (Input/Output) - End Feed	<b>A8</b> <b>CONNECTOR/WIRE IN</b> <b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24"  BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)  <b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24"  BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	<b>A9</b> <b>CONNECTOR/WIRE OUT</b> <b>N/A</b> Closed End (No feed)  <b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24"  BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	
<b>A10</b> <b>END CAPS</b> <b>Single</b> ▶ <b>WH</b> White <b>Pass Through</b> ▶ <b>N/A</b> Not Applicable	<b>A11</b> <b>LENGTH (IN)</b> Minimum length is 12", maximum length is 191" not including end caps. Contact us for lengths under 12". Available in 2" increments.	<b>A12</b> <b>EXACT/OPTIMAL</b> <b>O</b> Optimal Illumination <b>E</b> 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



# Q-CAP WURM™ RGB

24VDC Flexible Fixtures

## B. FIELD CUTTABLE Q-CAP

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
PRODUCT	MOUNTING	RATED	CCT	WATTAGE	LENS	WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	END CAPS	LENGTH (IN)	EXACT/ OPTIMAL
WURM-FC-RGB		DRY	RGB	6.0	ENC/CL	S1		N/A	WH	48"	N/A

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

**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**

**S1** Single 1 (Input only) - 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.

**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**

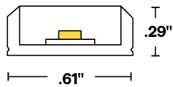
Single ▶



# Q-CAP WURM™ RGB

24VDC Flexible Fixtures

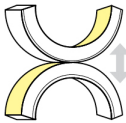
## 1 PRODUCT - DIMENSIONS



Profile  
(Standard)

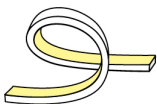
### BEND RADIUS

Up/Down Bend



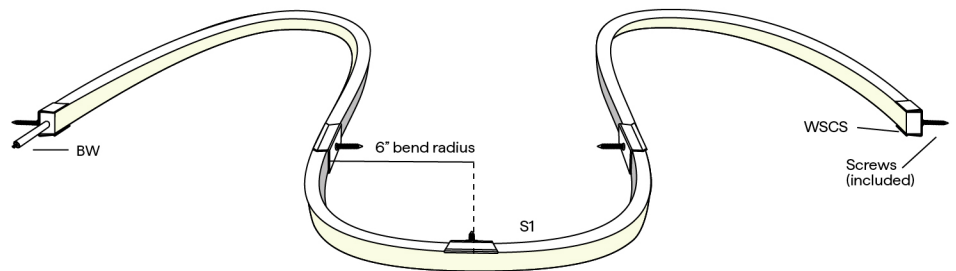
6" bending radius

Helical Bend



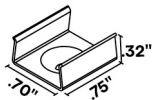
6" bending radius  
Max recommended rotation  
of 1 rotation per 16'

### FLEXIBILITY



## 2 MOUNTING

WSCS

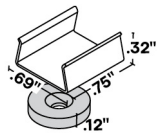


White Snug Clip Small  
Indirect uplight

To order separately use WSCS

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

MCS

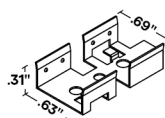


Magnetic Clip Small  
Cove use only

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™ RGB



24VDC Flexible Fixtures

## 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
	ENC/TL - Translucent encapsulation

## BUG RATING

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

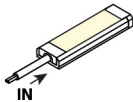
## TEMPERATURE RATINGS

	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)

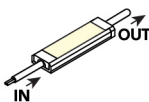
S1



End Feed

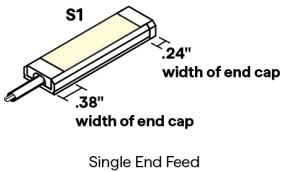
PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP

P1

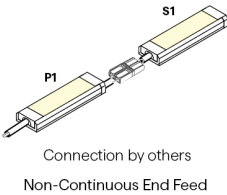


End Feed

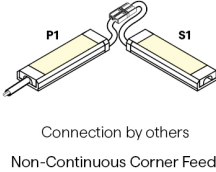
## CONFIGURATION OPTIONS



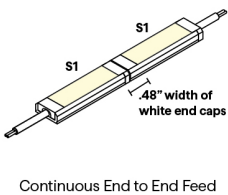
Single End Feed



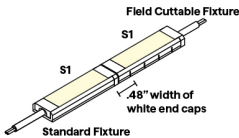
Connection by others  
Non-Continuous End Feed



Connection by others  
Non-Continuous Corner Feed



Continuous End to End Feed



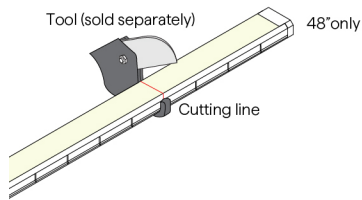
Field Cuttable - Continuous End to End Feed



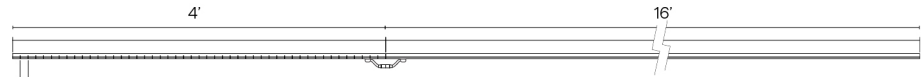
# Q-CAP WURM™ RGB

24VDC Flexible Fixtures

## FIELD CUTTABLE MARKING



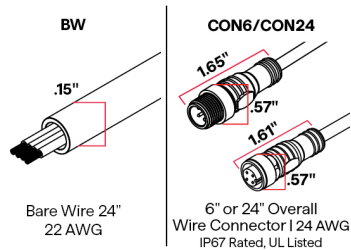
Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment



**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.

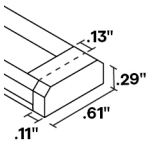
## 8 / 9 CONNECTOR/WIRE – IN/OUT

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



## 10 END CAPS (NO FEED)

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

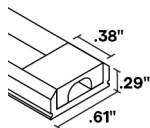


White endcaps  
.11\" added at end  
.24\" dim spot

## END CAPS (WITH FEED)

**End Feed**

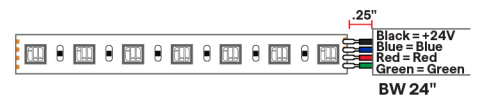
S1, P1



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

## 11 LENGTH - WIRING DETAIL

Available in 2\" increments 12\"-191\"

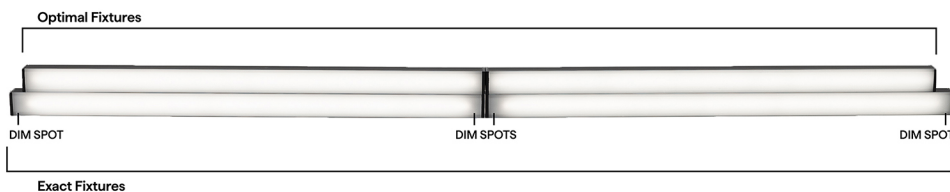


## 12 EXACT/OPTIMAL FIXTURE LENGTH

[E/O Length Calculator →](#)

[E/O Explained →](#)

Exact fixtures are the exact length specified. 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™ RGB

24VDC Flexible Fixtures



## RGB 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"

## 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 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGB App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGB	RGB
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8



# Q-CAP WURM™ RGB

## 24VDC Flexible Fixtures

### COMPATIBLE MOUNTING ACCESSORIES

NJ-MEDIUM



J Mounting Bracket

SD-L-MEDIUM



L Mounting Bracket

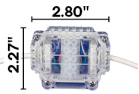
iq-QCAP-UNV-CUTTER



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



Read and write  
DMX addresses and  
adjust voltage