cULus LISTED | **RoHS COMPLIANT** | **EPD ENVIRONMENTAL PRODUCT DECLARATION** | **5 YEAR WARRANTY** | **BA BUY AMERICA COMPLIANT** | **Red List Approved Declare.**
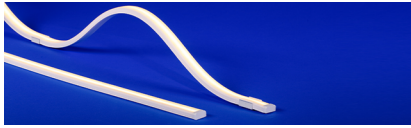
- Flexible encapsulated fixture
- Both helical bend and up/down bend
- 6" bend radius
- Interior and exterior rated (not including FC)
- Two mounting options available
- Do not cut Non-Field Cuttable Q-CAP flexible fixtures

.29"
.61"

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 PRODUCT	A2 MOUNTING	A3 RATED	A4 CCT	A5 WATTAGE	A6 LENS	A7 WIRE INPUT/ OUTPUT	A8 CONNECTOR/ WIRE IN	A9 CONNECTOR/ WIRE OUT	A10 END CAPS	A11 LENGTH (IN)	A12 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**

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

S1 Single 1 (Input only) - End Feed

P1 Pass Through 1 (Input/Output) - 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.

B. FIELD CUTTABLE Q-CAP

B1 PRODUCT	B2 MOUNTING	B3 RATED	B4 CCT	B5 WATTAGE	B6 LENS	B7 WIRE INPUT/ OUTPUT	B8 CONNECTOR/ WIRE IN	B9 CONNECTOR/ WIRE OUT	B10 END CAPS	B11 LENGTH (IN)	B12 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.

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
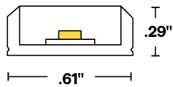S1 can be cut down to as little as 2.38"

B12 EXACT/OPTIMAL
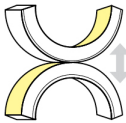
N/A

Q-CAP WURM™ RGB
24VDC Flexible Fixtures

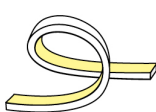## 1 PRODUCT - DIMENSIONS

.29"
.61"

Profile
(Standard)

BEND RADIUS

Up/Down Bend

6" bending radius

Helical Bend

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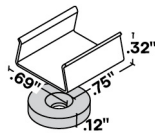Max recommended rotation
of 1 rotation per 16"

FLEXIBILITY

BW

6" bend radius

S1

WSCS

Screws
(included)

2 MOUNTING

WSCS

.32"
.70"   .75"
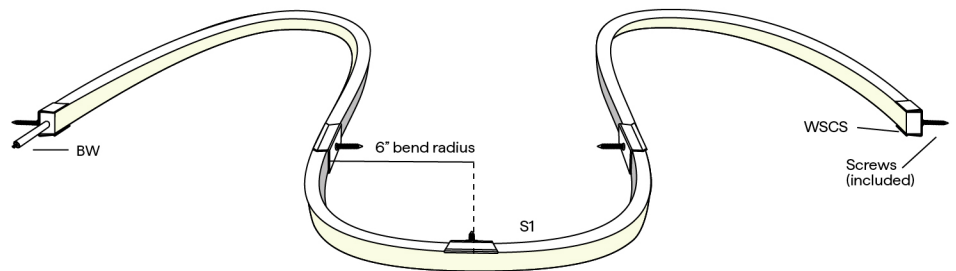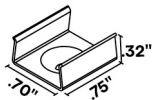
White Snug Clip Small
Indirect uplight

To order separately use WSCS

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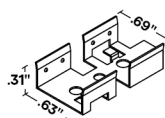screw

MCS

.32"
.69"   .75"
.12"

Magnetic Clip Small
Cove use only

To order separately use MCS

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

BN-UD

.69"
.31"
.63"

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

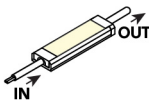## 7 WIRE INPUT/OUTPUT

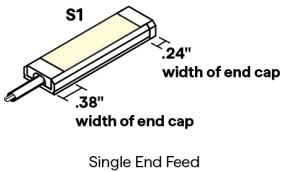SINGLE (Input only)

S1

IN
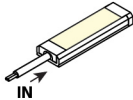
End Feed

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

P1

OUT

IN

End Feed

CONFIGURATION OPTIONS

S1

.24" width of end cap

.38" width of end cap

Single End Feed

S1

P1
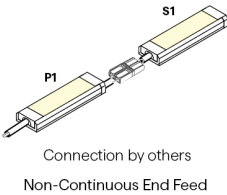
Connection by others

Non-Continuous End Feed

P1   S1
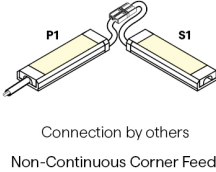
Connection by others

Non-Continuous Corner Feed

S1

S1

.48" width of white end caps
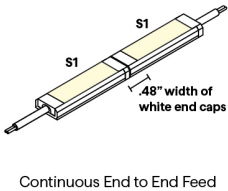
Continuous End to End Feed

Field Cuttable Fixture

S1

S1

.48" width of white end caps

Standard Fixture
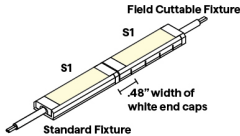
Field Cuttable - Continuous End to End Feed

Q-CAP WURM™ RGB
24VDC Flexible Fixtures

FIELD CUTTABLE MARKING

Tool (sold separately) 48"only

Cutting line

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

4'   16'

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

BW

.15"

Bare Wire 24"
22 AWG

CON6/CON24

1.65"
.57"
1.61"
.57"

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)

.13"
.29"
.61"
.11"

White endcaps
.11" added at end

.24" dim spot

END CAPS (WITH FEED)

End Feed

S1, P1

.38"
.29"
.61"

White endcaps
.0" added at end

.38" dim spot

11 LENGTH - WIRING DETAIL
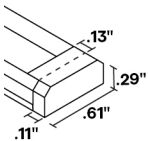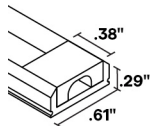
Available in 2" increments 12"-191"

.25"

Black = +24V
Blue = Blue
Red = Red
Green = Green

BW 24"

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.

Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT

Exact Fixtures

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 End Feed	P1 End Feed
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

COMPATIBLE MOUNTING ACCESSORIES

NJ-MEDIUM

J Mounting Bracket

SD-L-MEDIUM
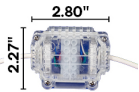
L Mounting Bracket

iQ-QCAP-UNV-CUTTER

QTL recommended
FC Cutter

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

2.80"

2.27"

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

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

1.36"

2.58"

Wi-Fi or Bluetooth
Connectivity

COMPATIBLE APPS

NFC APP

Q-NFC
BY QTL

Read and write
DMX addresses and
adjust voltage