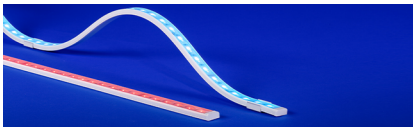
Q-CAP WURM™ RGBW-HE

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 PRODUCT	2 MOUNTING	3 RATED	4 CCT	5 WATTAGE	6 LENS	7 WIRE INPUT/ OUTPUT	8 CONNECTOR/ WIRE IN	9 CONNECTOR/ WIRE OUT	10 END CAPS	11 LENGTH
WURM-RGBW				4.0HE	ENC/CL	S1		N/A	WH	48"

Sample Part Number: **WURM-RGBW-WSCS-DRY-RGBW-30-4.0HE-ENC/CL-P1-BW-BW-N/A-48"-E**

1 PRODUCT

WURM-RGBW

See last page for compatible power supplies.

2 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 Channel
BN-UD-WH-32'	32' BENDIT Up/Down White Channel

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

3 RATED

DRY	IP20
WET	IP67

4 CCT

RGBW-27	RGBW-2700K
RGBW-30	RGBW-3000K
RGBW-35	RGBW-3500K
RGBW-40	RGBW-4000K

5 WATTAGE

4.0HE	4.0WHE-SO

SO: Standard Output

SO: Standard Output

6 LENS

ENC/CL	Encapsulated in Clear

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

7 WIRE INPUT/OUTPUT

S1	Single 1 (Input only) - End Feed

8 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)

9 CONNECTOR/WIRE OUT

N/A	Closed End (No feed)

10 END CAPS

WH	White

11 LENGTH

48"	Optimal

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

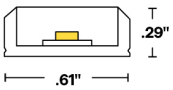
5 year warranty | Up/Down & Helical Bend | Data subject to change, all data has +/- 5% tolerance | Ambient or mounting surface must not be lower than -4°F or higher than 125°F | Patent # D846,786 S, 10,619,828 B2 | Only FC fixtures are Field-Cuttable per installation instructions | Field Cuttable is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

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Q-CAP WURM™ RGBW-HE

24VDC Flexible Fixtures

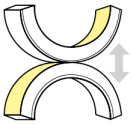
1 PRODUCT - DIMENSIONS



Profile
(Standard)

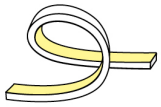
BEND RADIUS

Up/Down Bend



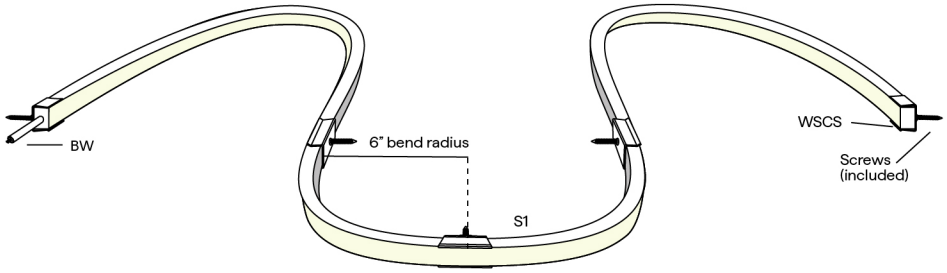
6" bending radius

Helical Bend



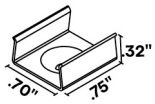
6" bending radius
Max recommended rotation
of 1 rotation per 16"

FLEXIBILITY



2 MOUNTING

WSCS

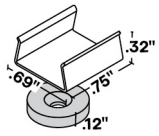


White Snug Clip Small
Indirect uplight

To order separately use WSCS

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

MCS

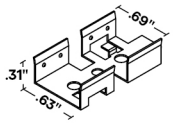


Magnetic Clip Small
Cove use only

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'

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Specification subject to change. Rev-11-11-26

Q-CAP WURM™ RGBW-HE

24VDC Flexible Fixtures

4/5 DELIVERED LUMENS

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

4.0HE W/FT Total Load			
CCT	3.0W/FT Per Channel		
	ENC/CL		Circuit Wattage
	LM	Wavelength	
Red	35	630	0.77
Green	128	517	1.2
Blue	31	464	1.1
CCT	1.0W/FT Per Channel		
	ENC/CL		Circuit Wattage
	LM	CRI	
2700K	70	98	0.86
3000K	75	97	0.86
3500K	77	95	0.86
4000K	77	96	0.86

6 DIODE VISIBILITY

ENC/CL - Clear encapsulation

TEMPERATURE RATINGS

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

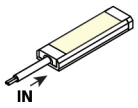
BUG RATING

WATTAGE	B	U	G
4.0HE (ALL CCTs & COLORS)	B0	U1	G0

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

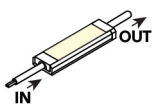
S1



End Feed

PASS THROUGH (Input/Output)

P1



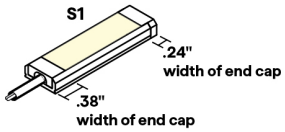
End Feed

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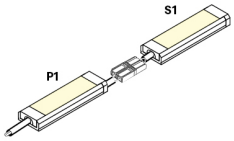
Q-CAP WURM™ RGBW-HE

24VDC Flexible Fixtures

CONFIGURATION OPTIONS

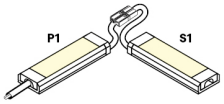


Single End Feed



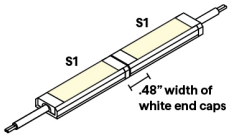
Connection by others

Non-Continuous End Feed

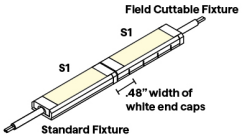


Connection by others

Non-Continuous Corner Feed

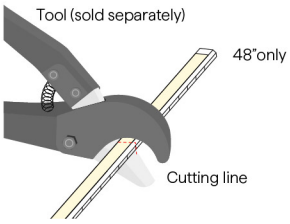


Continuous End to End Feed



Field Cuttable - Continuous End to End Feed

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.

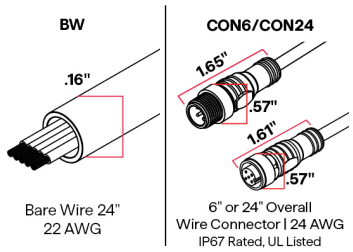
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Q-CAP WURM™ RGBW-HE

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

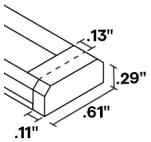


Bare Wire 24"
22 AWG

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)



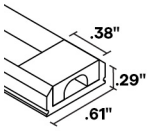
White endcaps
.11" added at end

.24" dim spot

END CAPS (WITH FEED)

End Feed

S1, P1



White endcaps
.0" added at end

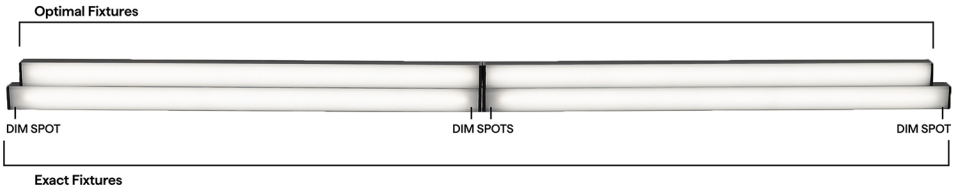
.38" dim spot

11 LENGTH - WIRING DETAIL

4.0HEW | 48" with 2" cutpoints



12 EXACT/OPTIMAL FIXTURE LENGTH



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™ RGBW-HE

24VDC Flexible Fixtures

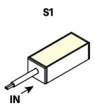
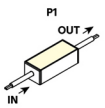
RGBW LENGTHS BY INCH

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  End Feed	P1  End Feed
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"

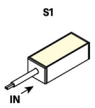
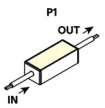
RGBW-HE LENGTHS BY INCH

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  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"

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Q-CAP WURM™ RGBW-HE

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 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DALI-DT8-PS QOM-eLED+DMX QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 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 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
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

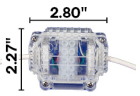
iQ-QCAP-UNV-CUTTER



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

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Q-CAP WURM™ RGBW-HE

24VDC Flexible Fixtures

COMPATIBLE APPS

NFC APP

Q-NFC

Read and write DMX addresses and adjust voltage

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