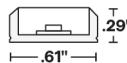




# Q-CAP WURM™ FOR WARM DIM APPLICATIONS

## 24VDC Flexible Fixtures





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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-DW		DRY			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-DW-WSCS-DRY-24/30-1.5HE-ENC/TL-P1-BW-BW-N/A-48"-E**

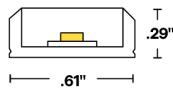
B1	PRODUCT	B2	MOUNTING	B3	RATED	B4	CCT		
<b>WURM-FC-DW</b>		<b>MCS</b> <b>WSCS</b> <b>BN-UD-SST-16'</b> <b>BN-UD-SST-32'</b> <b>BN-UD-WH-16'</b> <b>BN-UD-WH-32'</b>	Magnetic Clip Small White Snug Clip Small 16' BENDIT Up/Down Stainless Steel Channel 32' BENDIT Up/Down Stainless Steel Channel 16' BENDIT Up/Down White Stainless Channel 32' BENDIT Up/Down White Stainless Channel	<b>DRY</b>	IP20	<b>24/30</b> <b>27/40</b>	2400K/3000K 2700K/4000K		
			White snug clip only for indirect cove use, not intended for hanging fixtures upside down.						
B5	WATTAGE	B6	LENS	B7	WIRE INPUT/OUTPUT	B8	CONNECTOR/WIRE IN	B9	CONNECTOR/WIRE OUT
<b>1.5HE</b> 1.5WHE-SO <b>2.5HE</b> 2.5WHE-HO	SO: Standard Output HO: High Output	<b>ENC/CL</b> Encapsulated in Clear	For representation of LED visibility, see Diode Visibility section on following pages	<b>SINGLE (Input only)</b> <b>S1</b> End 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>N/A</b> Closed End (No feed)	
B10	END CAPS	B11	LENGTH (IN)	B12	EXACT/OPTIMAL				
<b>WH</b> White	Due to cutting, white endcaps are not available.	<b>48"</b> Nominal	Starting Run length is 48.38" for S1 Each cut point subtracts from the Starting Run Length 1.5HE & 2.5HE have a 2" cut point S1 can be cut down to as little as 2.38"	<b>N/A</b>					
Single									



# Q-CAP WURM™ FOR WARM DIM APPLICATIONS

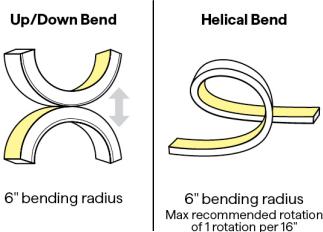
24VDC Flexible Fixtures

## 1 PRODUCT - DIMENSIONS

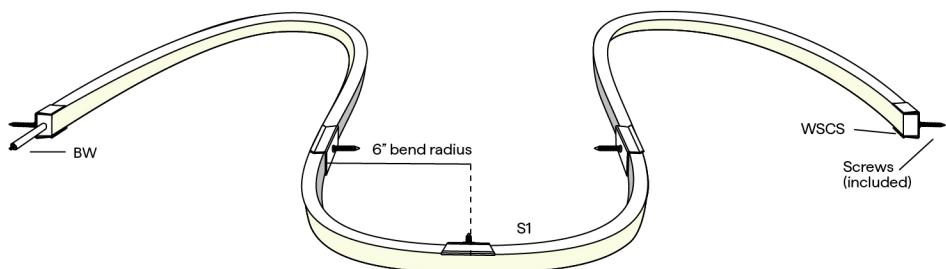


Profile  
(Standard)

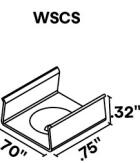
## BEND RADIUS



## FLEXIBILITY



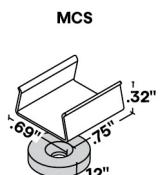
## 2 MOUNTING



White Snug Clip Small  
Indirect uplight

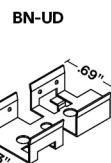
To order separately use WSCS

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



Magnetic Clip Small  
Cove use only

To order separately use MCS  
each clip comes with a #6x1 1/4"  
screw



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-DW-WSCS-DRY

CCT	15HE W/FT		2.5 HE W/FT	
	ENC/CL	ENC/CL	ENC/CL	ENC/CL
2400K	133	92	198	92
2700K	126	96	201	97
3000K	132	97	206	97
4000K	142	97	225	98

## 6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

## TEMPERATURE RATINGS

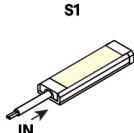
	DW 1.5 HE W/FT		DW 3.0 HE W/FT		DW 2.5 HE W/FT		DW 5.0 HE W/FT	
	QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply		QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply	
	Min	Max	Min	Max	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	140°F	-4°F	120°F	-4°F	120°F	-4°F	100°F
Storage Temp	-4°F	140°F	**	**	-4°F	140°F	**	**
Installation Temp	50°F	100°F	**	**	50°F	100°F	**	**

## BUG RATING

WATTAGE	B	U	G
6.0 (ALL CCTs), 3.0HE (ALL CCTs), 5.0HE (ALL CCTs)	B0	U1	G0

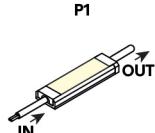
## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



End Feed

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



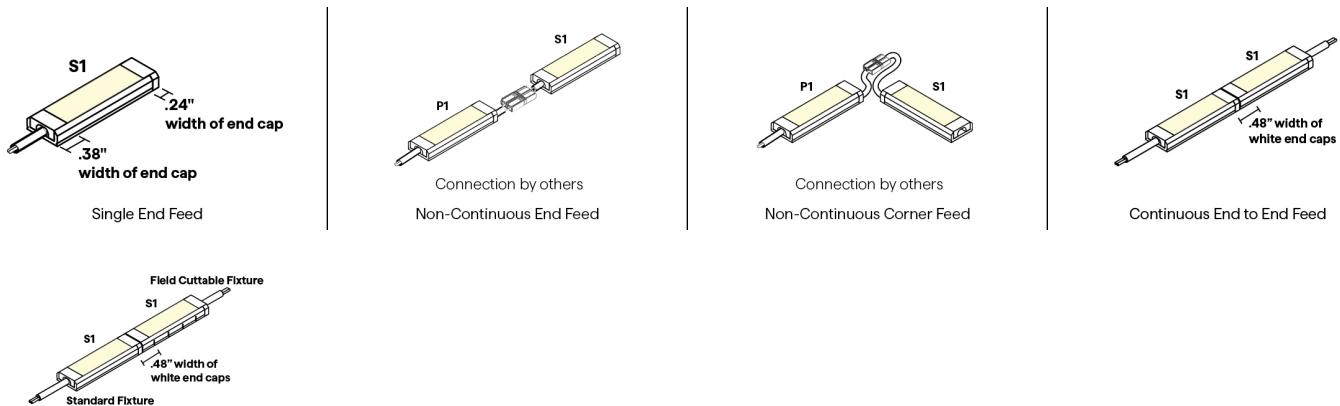
End Feed



# Q-CAP WURM™ FOR WARM DIM APPLICATIONS

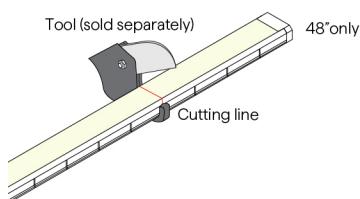
24VDC Flexible Fixtures

## CONFIGURATION OPTIONS



Field Cuttable - Continuous End to End Feed

## FIELD CUTTABLE MARKING



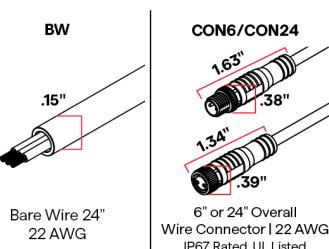
Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment



**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.

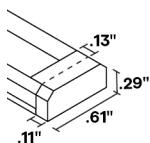
## 8 / 9 CONNECTOR/WIRE – IN/OUT

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)

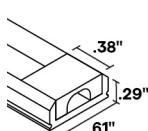


White endcaps  
.11" added at end  
.24" dim spot

## END CAPS (WITH FEED)

### End Feed

S1, P1



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

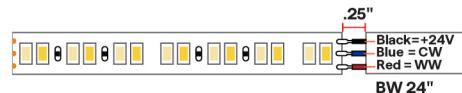
## 11 LENGTH - WIRING DETAIL



# Q-CAP WURM™ FOR WARM DIM APPLICATIONS

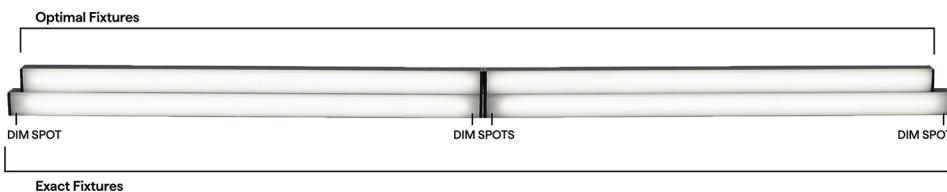
24VDC Flexible Fixtures

Available in 2" increments 12"-191"



## 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.



## DW 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"	10.63"	10.75"
13"	12.63"	12.75"
14"	12.63"	12.75"
15"	14.63"	14.75"
16"	14.63"	14.75"
17"	16.63"	16.75"
18"	16.63"	16.75"
19"	18.63"	18.75"
20"	18.63"	18.75"
21"	20.63"	20.75"
22"	20.63"	20.75"
23"	22.63"	22.75"
24"	22.63"	22.75"
36"	34.63"	34.75"
48"	46.63"	46.75"
60"	58.63"	58.75"
72"	70.63"	70.75"
84"	82.63"	82.75"
96"	94.63"	94.75"



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24VDC Flexible Fixtures

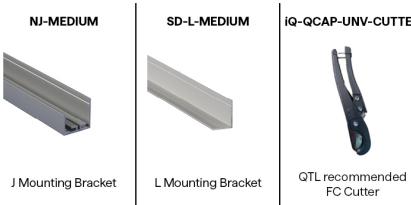
## COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR	OUTDOOR
	DW-HE Warm Dim Applications	DW-HE Warm Dim Applications
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW	Q-SET-QZ-DW QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+WD QZ-DW
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with WD App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	DW-HE Warm Dim Applications	DW-HE Warm Dim Applications
Phase	QZ-DW	Q-SET-QZ-DW QZ-DW
0-10V	QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW	Q-SET-QZ-DW QOM-eLED+WD QZ-DW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+WD-AWN	
DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6	QOM-eLED+DALI-DT6
DALI-2: DT8 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with WD App Dongle	

## COMPATIBLE MOUNTING ACCESSORIES

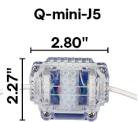




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24VDC Flexible Fixtures

## COMPATIBLE WIRING ACCESSORIES



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