



# Q-CAP WAVE FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures



- Flexible encapsulated fixture
- Up/down bend
- 6" bend radius
- Interior and exterior rated (not including FC)
- Four different mounting options
- Available in seamless configuration for a continuous line of light
- Utilize clear endcaps for continuous runs
- 60% smaller than QTL's BOXA fixture
- When using DALI and DMX power supplies, LED wattage must be doubled
- 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
				2.0					N/A	48"

Sample Part Number: **WAVE-DW-WSC-DRY-24/30-2.0-ENC/TL-P1-BW-BW-N/A-48"-E**

<b>1</b> PRODUCT  <b>WAVE-DW</b> <b>WAVE-DW-USA</b>  Select USA option for BA, BAA and BABA projects.  LED engine is built with 3 wires requiring 0-10v, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See last page for compatible power supplies.	<b>2</b> MOUNTING  PPS-2 PPS-96 PPS-LP-2 PPS-LP-96 WSC BN-UD-SST-16' BN-UD-SST-32' BN-UD-WH-16' BN-UD-WH-32'  PVC Clip PVC Channel PVC Low Profile Clip PVC Low Profile Channel White Snug Clip 16' BENDIT Up/Down Stainless Steel Channel 32' BENDIT Up/Down Stainless Steel Channel 16' BENDIT Up/Down White Channel 32' BENDIT Up/Down White Channel  White snug clip only for indirect cove use, not intended for hanging fixtures upside down. PPS mounting clip recommended for seamless applications.	<b>3</b> RATED  DRY WET IP20 IP67	<b>4</b> CCT  24/30 27/40 2400K/3000K 2700K/4000K
<b>5</b> WATTAGE  2.0 2.0W-SO SO: Standard Output	<b>6</b> LENS  ENC/CL Encapsulated in Clear ENC/TL Encapsulated in Translucent  For representation of LED visibility, see Diode Visibility section on following pages	<b>7</b> WIRE INPUT/OUTPUT  S1 Single 1 (Input only) - End Feed S5 Single 5 (Input only) - Seamless Feed	
<b>8</b> 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)	<b>9</b> CONNECTOR/WIRE OUT  N/A Closed End (No feed)	<b>10</b> END CAPS  CL Clear WH White	<b>11</b> LENGTH  48" Optimal  Minimum length is 12", maximum length is 191" not including end caps. Contact us for lengths under 12". Available in 2" increments.

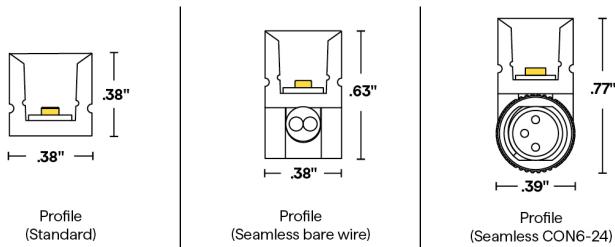
5 year warranty | Up/Down Bend | Data subject to change, all data has +/- 5% tolerance | Only FC fixtures are Field-Cuttable per installation instructions | Field Cuttable is not returnable or refundable after it has been cut



# Q-CAP WAVE FOR TUNABLE APPLICATIONS

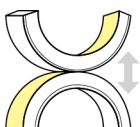
24VDC Flexible Fixtures

## 1 PRODUCT - DIMENSIONS



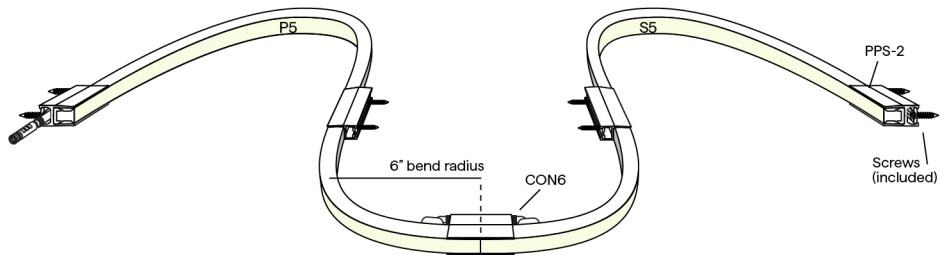
## BEND RADIUS

### Up/Down Bend



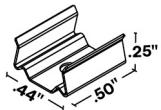
6" bending radius

## FLEXIBILITY



## 2 MOUNTING

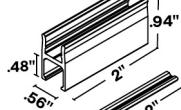
### WSC



White Snug Clip  
Indirect upright

To order separately use WSC-02

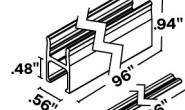
### PPS-2



PVC Mounting Clip

To order separately use MICRO5-  
PPS2

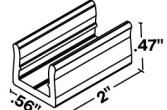
### PPS-96



96" straight linear run

To order separately use MICRO5-  
PPS-96

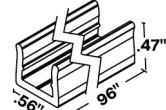
### PPS-LP-2



Low profile PVC  
Mounting Clip

To order separately use MICRO5-  
PPS-LP-2

### PPS-LP-96



Low profile PVC channel  
96" straight linear run

To order separately use MICRO5-  
PPS-LP-96

Each clip comes with a #4x5/8" flat  
screw

Each clip comes with a #6" flat  
screw

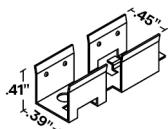


# Q-CAP WAVE FOR TUNABLE APPLICATIONS

## 24VDC Flexible Fixtures

### MOUNTING CONTINUED

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  
MICRO5-BN-UD-SST-16', MICRO5-  
BN-UD-SST-32', MICRO5-BN-UD-  
WH-16', or MICRO5-BN-UD-  
WH-32'

64 #4-40 1/2" screws provided per  
16'

### 4 / 5 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]  
Tested with WAVE-DW-WSC-DRY

CCT	2.0W/FT Total Load				Circuit Wattage	
	ENC/CL		ENC/TL			
	LM	CRI	LM	CRI		
2400K	145	93	142	93	1.90	
2700K	157	93	139	96	1.90	
3000K	150	95	143	96	1.90	
3500K	167	98	155	97	1.90	
4000K	46	97	53	98	122	

### TEMPERATURE RATINGS

	DW 2.0 W/FT		DW 4.0 W/FT	
	QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply	
	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	135°F	-4°F	110°F
Storage Temp	-4°F	140°F	-4°F	140°F
Install Temp	50°F	100°F	50°F	100°F

### BUG RATING

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

### 6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

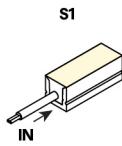


# Q-CAP WAVE FOR TUNABLE APPLICATIONS

## 24VDC Flexible Fixtures

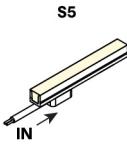
### 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



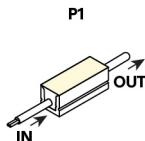
End Feed

SEAMLESS SINGLE (Input only)



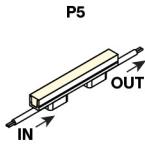
Seamless Feed

PASS THROUGH (Input/Output)



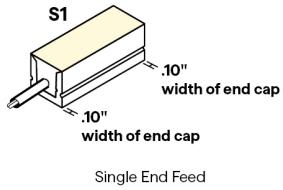
End Feed

SEAMLESS PASS THROUGH (Input/Output)

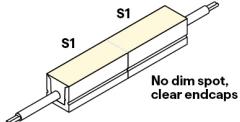


Seamless Feed

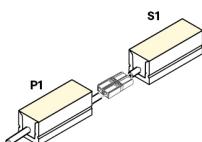
## CONFIGURATION OPTIONS



Single End Feed

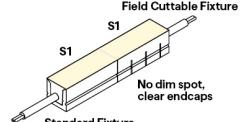


Continuous End to End Feed



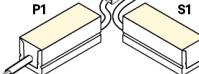
Connection by others

Non-Continuous End Feed



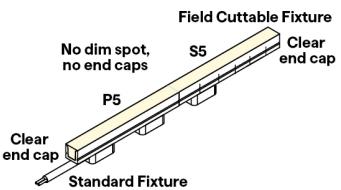
Field Cuttable Fixture

No dim spot, clear endcaps



Connection by others

Non-Continuous Corner Feed

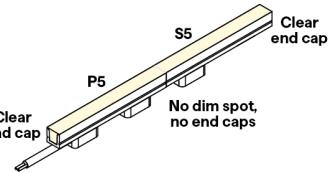


Field Cuttable Fixture

No dim spot, no end caps

Clear end cap

Standard Fixture



Seamless Bottom Feed



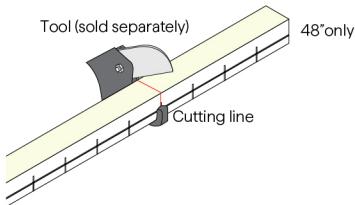
Field Cuttable - Seamless Bottom Feed



# Q-CAP WAVE FOR TUNABLE APPLICATIONS

## 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.

### SEAMLESS

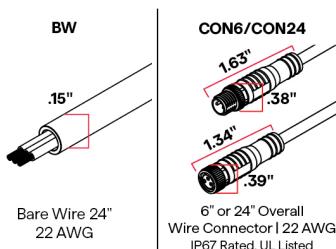
Shown with bare wire, connectors vary



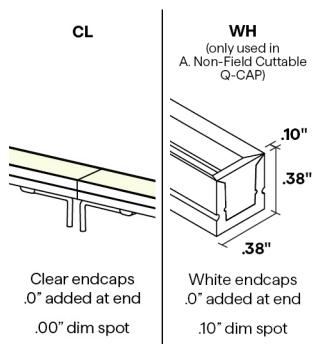
Omnidirectional  
wireways  
S5, P5

### 8 / 9 CONNECTOR/WIRE - IN/OUT

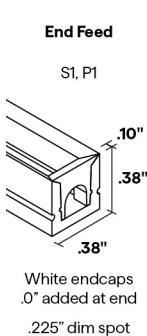
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out, and WH for End Caps



### 10 END CAPS (NO FEED)

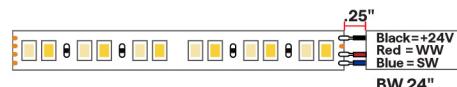


### END CAPS (WITH FEED)



### 11 LENGTH - WIRING DETAIL

Available in 2" increments 12"-191"





# Q-CAP WAVE FOR TUNABLE APPLICATIONS

## 24VDC Flexible Fixtures

### 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  $\pm 0 - 1/8"$ . 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 S1	P1 P1	S5 & P5 S5	P6 P6
12"	10.63"	11"		10.25"
13"	12.63"	13"		12.25"
14"	12.63"	13"		12.25"
15"	14.63"	15"		14.25"
16"	14.63"	15"		14.25"
17"	16.63"	17"		16.25"
18"	16.63"	17"		16.25"
19"	18.63"	19"		18.25"
20"	18.63"	19"		18.25"
21"	20.63"	21"		20.25"
22"	20.63"	21"		20.25"
23"	22.63"	23"		22.25"
24"	22.63"	23"		22.25"
36"	34.63"	35"		34.25"
48"	46.63"	47"		46.25"
60"	58.63"	59"		58.25"
72"	70.63"	71"		70.25"
84"	82.63"	83"		82.25"
96"	94.63"	95"		94.25"

### COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has  $\pm 5\%$  tolerance.

DIM TO LEVEL	INDOOR	OUTDOOR
	MICRO 5-DW Tunable Applications	
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+TW QTM-eLED+TW-AWN	Q-SET-QZ-DMX QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+TW
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle	



# Q-CAP WAVE FOR TUNABLE APPLICATIONS

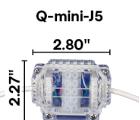
## 24VDC Flexible Fixtures

DIMMING PROTOCOL	INDOOR	OUTDOOR
	MICRO 5-DW Tunable Applications	MICRO 5-DW Tunable Applications
0-10V	QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN	QOM-eLED+TW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN	
<b>DMX</b> LED wattage must be doubled for DW-HE products		Q-SET-QZ-DMX
<b>DALI-2: DT6</b> 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
<b>DALI-2: DT8</b> 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
<b>SCENE App Dimmed</b>	Non-Dim Power Supply with TW App Dongle	

## COMPATIBLE MOUNTING ACCESSORIES



## COMPATIBLE WIRING ACCESSORIES



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

## COMPATIBLE CONTROL ACCESSORIES



Wi-Fi or Bluetooth Connectivity



## Q-CAP WAVE FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

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### COMPATIBLE APPS

#### NFC APP



Read and write  
DMX addresses and  
adjust voltage