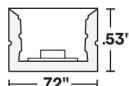




# Q-CAP BOXA™ FOR TUNABLE APPLICATIONS

## 24VDC Flexible Fixtures





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24VDC Flexible Fixtures

## 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
BOXA-FC-DW	DRY							N/A	CL	48"	N/A

Sample Part Number: **BOXA-DW-PPS-2-DRY-24/30-1.5HE-ENC/TL-P1-BW-BW-N/A-48"-E**

<b>B1</b> <b>PRODUCT</b>  BOXA-FC-DW  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>B2</b> <b>MOUNTING</b>  RLC Rigid Lock Channel MC Magnetic Clip SGC Side Graze Channel PPS-2 PVC Clip PPS-96 PVC Channel PPS-LP-2 PVC Low Profile Clip PPS-LP-96 PVC Low Profile Channel WSC White Snug Clip  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.  PPS mounting clip recommended for seamless applications	<b>B3</b> <b>RATED</b>  DRY IP20	<b>B4</b> <b>CCT</b>  24/30 2400K/3000K 27/40 2700K/4000K	<b>B5</b> <b>WATTAGE</b>  1.5HE 1.5WHE-SO 2.5HE 2.5WHE-HO  SO: Standard Output HO: High Output
<b>B6</b> <b>LENS</b>  ENC/CL Encapsulated in Clear ENC/TL Encapsulated in Translucent  For representation of LED visibility, see Diode Visibility section on following pages	<b>B7</b> <b>WIRE INPUT/OUTPUT</b>  S1 Single 1 (Input only) - End Feed S2 Single 2 (Input only) - Bottom Feed S3 Single 3 (Input only) - Left Side Feed S4 Single 4 (Input only) - Right Side Feed S5 Single 5 (Input only) - Seamless Feed	<b>B8</b> <b>CONNECTOR/WIRE IN</b>  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>B9</b> <b>CONNECTOR/WIRE OUT</b>  N/A Closed End (No feed)	
<b>B10</b> <b>END CAPS</b>  CL Clear  Due to cutting, white endcaps are not available.	<b>B11</b> <b>LENGTH (IN)</b>  48" Nominal  Starting Run length is 48.475" for S1, S5 and 48.725" for S2, S3, S4 Each cut point subtracts from the Starting Run Length 1.5HE & 2.5HE have a 2" cut point S2, S3, & S4 can be cut down to as little as 2.725" S1 can be cut down to as little as 2.475" S5 can be cut down to as little as 6.475"	<b>B12</b> <b>EXACT/OPTIMAL</b>  N/A		

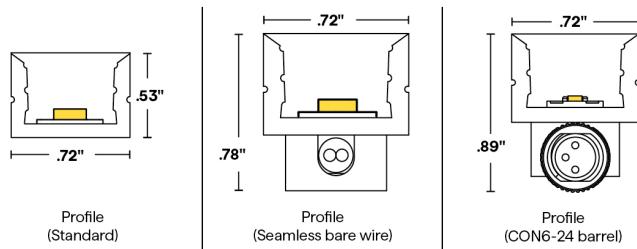
Single ►



# Q-CAP BOXA™ FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

## 1 PRODUCT - DIMENSIONS



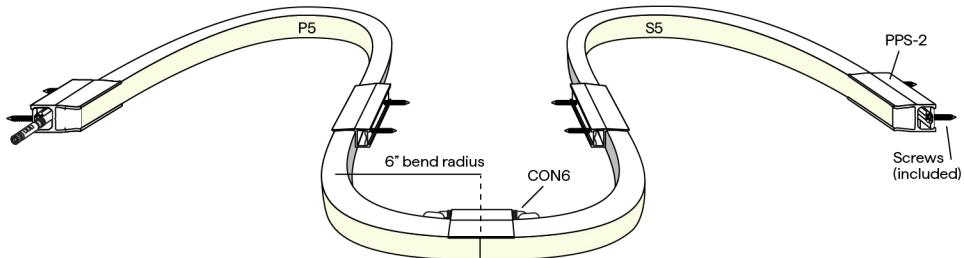
## BEND RADIUS

### Up/Down Bend



6" bending radius

## FLEXIBILITY



## 2 MOUNTING

### WSC

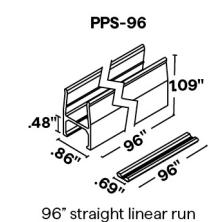




# Q-CAP BOXA™ FOR TUNABLE APPLICATIONS

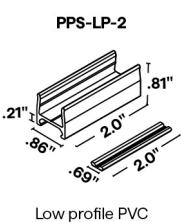
24VDC Flexible Fixtures

## MOUNTING CONTINUED

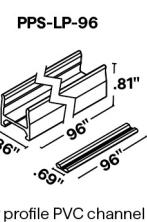


To order separately use BOXA-PPS-96

Each clip comes with a #8" flat screw

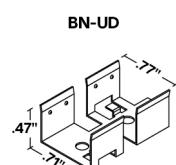


To order separately use BOXA-PPS-LP-2



To order separately use BOXA-PPS-LP-96

Each clip comes with a #8" flat 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-SST-16',  
STND-QCAP-BN-UD-SST-32',  
STND-QCAP-BN-UD-WH-16', or  
STND-QCAP-BN-UD-WH-32'

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

## 4 / 5 DELIVERED LUMENS

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

CCT	1.5HE W/FT		2.5HE W/FT	
	ENC/CL	ENC/TL	ENC/CL	ENC/TL
	LM	CRI	LM	CRI
2400K	129	92	103	93
2700K	120	96	81	97
3000K	127	97	98	95
4000K	140	97	114	97
			217	97
			170	97

## 6 DIODE VISIBILITY



ENC/CL - Clear encapsulation



ENC/TL - Translucent 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	125°F	-4°F	125°F	-4°F	100°F
Storage Temp	-4°F	120°F	**	**	-4°F	120°F	**	**
Installation Temp	50°F	100°F	**	**	50°F	100°F	**	**

## BUG RATING

WATTAGE	B	U	G
1.5HE (ALL CCTs), 2.5HE (ALL CCTs)	B0	U1	G0

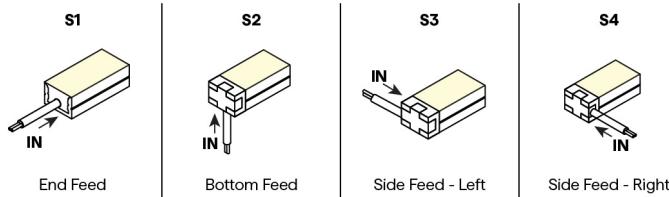


# Q-CAP BOXA™ FOR TUNABLE APPLICATIONS

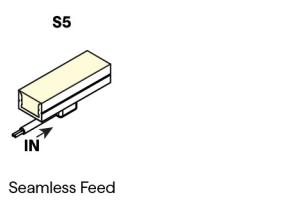
## 24VDC Flexible Fixtures

### 7 WIRE INPUT/OUTPUT

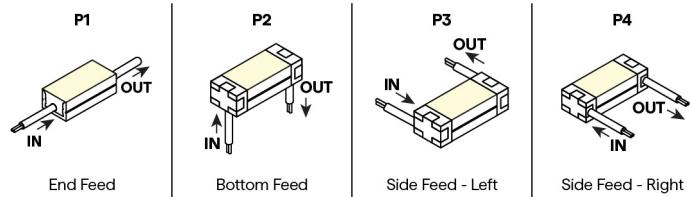
SINGLE (Input only)



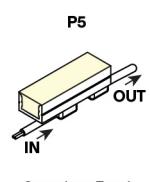
SEAMLESS SINGLE (Input only)



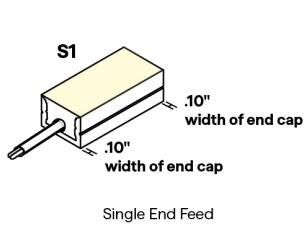
PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP



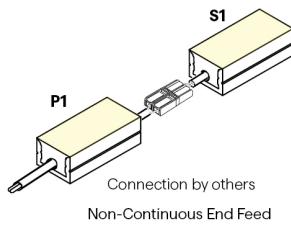
SEAMLESS PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP



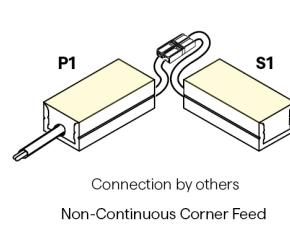
### CONFIGURATION OPTIONS



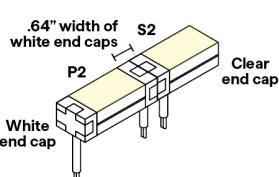
Single End Feed



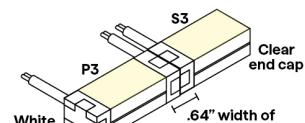
Non-Continuous End Feed



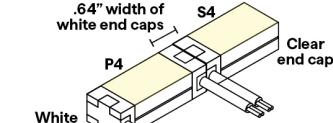
Non-Continuous Corner Feed



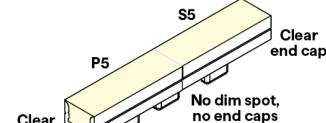
Continuous Bottom Feed



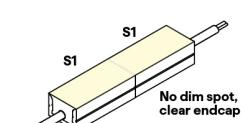
Continuous Side Feed - Left



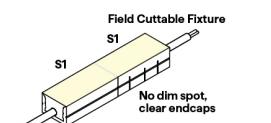
Continuous Side Feed - Right



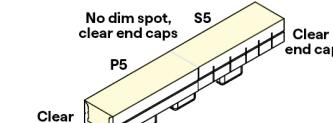
Seamless Bottom Feed



Continuous End to End Feed

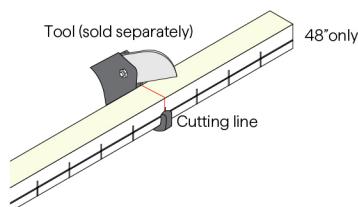


Field Cuttable - Continuous End to End Feed



Field Cuttable - Seamless Bottom 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.

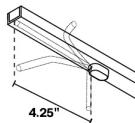


# Q-CAP BOXA™ FOR TUNABLE APPLICATIONS

## 24VDC Flexible Fixtures

### SEAMLESS

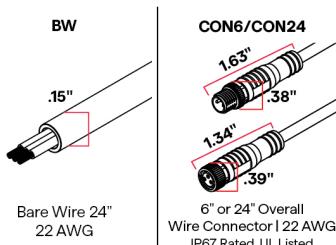
Shown with bare wire, connectors vary



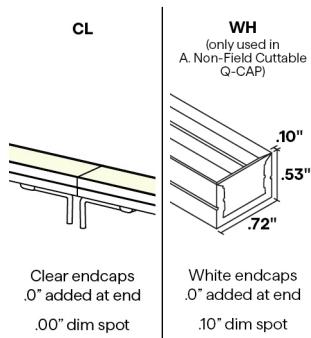
Omnidirectional  
wireways  
S5, P5

### 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



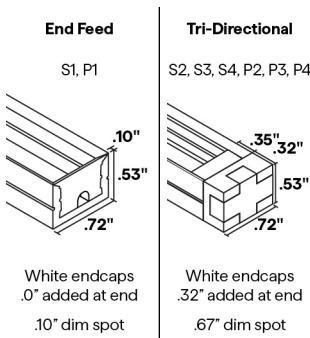
### 10 END CAPS (NO FEED)



Clear endcaps  
.0" added at end  
.00" dim spot

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

### END CAPS (WITH FEED)

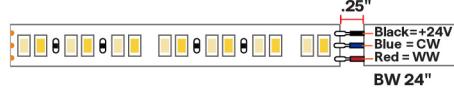


White endcaps  
.0" added at end  
.10" dim spot

White endcaps  
.32" added at end  
.67" dim spot

### 11 LENGTH - WIRING DETAIL

Available in 2" increments 12"-191"

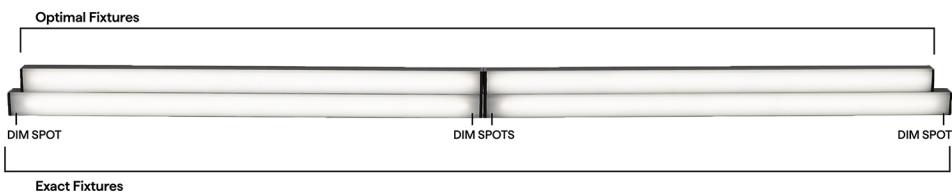


### 12 EXACT/OPTIMAL FIXTURE LENGTH

[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 BOXA™ FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

## 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 with S1 wireway
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	S2 & S3 & S4	P1	P2 & P3 & P4	S5 & P5
12"	10.58"	10.85"	10.95"	11.5"	10.2"
13"	12.58"	12.85"	12.95"	11.5"	12.2"
14"	12.58"	12.85"	12.95"	13.5"	12.2"
15"	14.58"	14.85"	14.95"	13.5"	14.2"
16"	14.58"	14.85"	14.95"	15.5"	14.2"
17"	16.58"	16.85"	16.95"	15.5"	16.2"
18"	16.58"	16.85"	16.95"	17.5"	16.2"
19"	18.58"	18.85"	18.95"	17.5"	18.2"
20"	18.58"	18.85"	18.95"	19.5"	18.2"
21"	20.58"	20.85"	20.95"	19.5"	20.2"
22"	20.58"	20.85"	20.95"	21.5"	20.2"
23"	22.58"	22.85"	22.95"	21.5"	22.2"
24"	22.58"	22.85"	22.95"	23.5"	22.2"
36"	34.58"	34.85"	34.95"	35.5"	34.2"
48"	46.58"	46.85"	46.95"	47.5"	46.2"
60"	58.58"	58.85"	58.95"	59.5"	58.2"
72"	70.58"	70.85"	70.95"	71.5"	70.2"
84"	82.58"	82.85"	82.95"	83.5"	82.2"
96"	94.58"	94.85"	94.95"	95.5"	94.2"

## 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 Tunable Applications	DW-HE 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 QZ-DMX	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 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle	

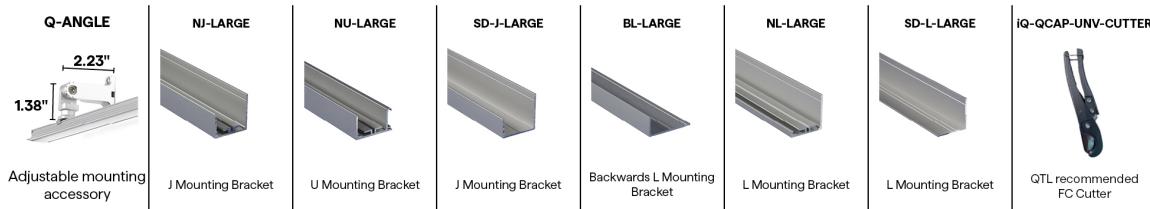


# Q-CAP BOXA™ FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

DIMMING PROTOCOL	INDOOR	OUTDOOR
	DW-HE Tunable Applications	DW-HE 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	
DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX
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 TW App Dongle	

## COMPATIBLE MOUNTING ACCESSORIES



## 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



## Q-CAP BOXA™ FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

### COMPATIBLE APPS

#### NFC APP



Read and write  
DMX addresses and  
adjust voltage