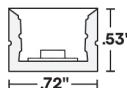




# Q-CAP BOXA™ RGBW HIGH EFFICACY

## 24VDC Flexible Fixtures



- A flexible encapsulated fixture with up/down bending capabilities
- Interior and exterior rated (not including FC)
- Features a 6" bending radius and is compatible with six different mounting hardware options to ensure our product fits any design need
- Available in a seamless option, where wires are hidden so they do not obstruct the look of the design
- Utilize clear endcaps for continuous runs with no light loss
- For standard output, a clear finished BOXA-RGBW fixture produces 120 lumens/foot in green
- Do not cut Non-Field Cuttable Q-CAP flexible fixtures
- IK10 impact rated

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
BOXA-RGBW				4.0HE				N/A		48"

Sample Part Number: **BOXA-RGBW-PPS-2-DRY-RGBW-30-4.0HE-ENC/CL-P1-BW-BW-N/A-48"-E**

1 PRODUCT
BOXA-RGBW  See last page for compatible power supplies.

2 MOUNTING
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 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. PPS mounting clip recommended for seamless applications

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

6 LENS
ENC/CL Encapsulated in Clear ENC/TL Encapsulated in Translucent  For representation of LED visibility, see Diode Visibility section on following pages

7 WIRE INPUT/OUTPUT
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

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
CL Clear WH White

11 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.

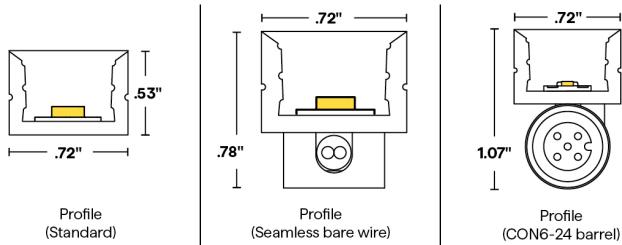
5 year warranty | Up/Down Bend | Data subject to change, all data has +/- 5% tolerance | Ambient or mounting surface must not be lower than -4°F or higher than 125°F | Patent # D872,931 S, D847,395 S, 10,619,828 B2 | Only FC fixtures are Field-Cuttable per installation instructions | Field Cuttable is not returnable or refundable after it has been cut



# Q-CAP BOXA™ RGBW HIGH EFFICACY

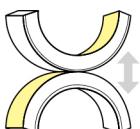
## 24VDC Flexible Fixtures

### 1 PRODUCT - DIMENSIONS



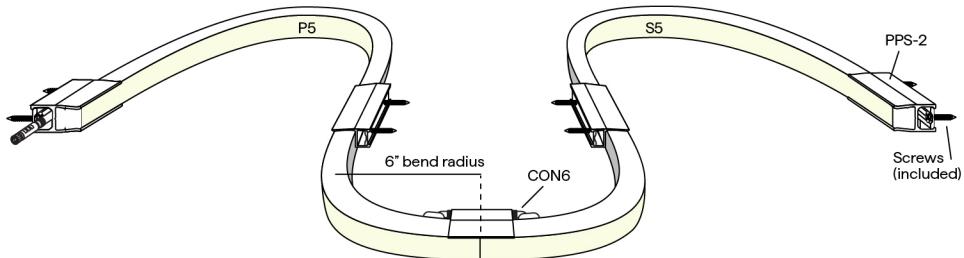
### BEND RADIUS

#### Up/Down Bend



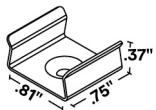
6" bending radius

### FLEXIBILITY



### 2 MOUNTING

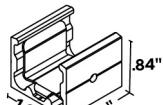
#### WSC



White Snug Clip  
Indirect uplight

To order separately use WSC

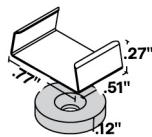
#### RLC



To order separately use RLC

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

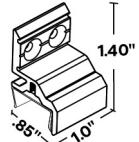
#### MC



To order separately use MC

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

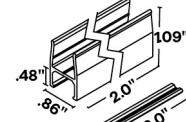
#### SGC



To order separately use SGC

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

#### PPS-2



To order separately use BOXA-  
PPS2



# Q-CAP BOXA™ RGBW HIGH EFFICACY

## 24VDC Flexible Fixtures

### MOUNTING CONTINUED

<b>PPS-96</b>  96" straight linear run	<b>PPS-LP-2</b>  Low profile PVC Mounting Clip	<b>PPS-LP-96</b>  Low profile PVC channel 96" straight linear run	<b>BN-UD</b>  BENDIT Channel Vertical Stainless Steel Flexible Channel
To order separately use BOXA-PPS-96  Each clip comes with a #8" flat screw	To order separately use BOXA-PPS-LP-2  Each clip comes with a #8" flat screw	To order separately use BOXA-PPS-LP-96  Each clip comes with a #8" flat screw	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-RGBBV-\*\*...DRY

CCT	4.0HE W/FT Total Load			
	3.0W/FT Per Channel		Circuit Wattage	
	ENC/CL	ENC/CTL		
	LM	Wavelength	LM	Wavelength
Red	29	630	21	629
Green	120	519	82	519
Blue	34	466	25	464
	1.0W/FT Per Channel			
CCT	ENC/CL	ENC/CTL	Circuit	Wattage
	LM	CRI	LM	CRI
2700K	63	98	47	98
3000K	74	97	50	96
3500K	72	96	57	97
4000K	77	96	56	96

### BUG RATING

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

### 6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

### TEMPERATURE RATINGS

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

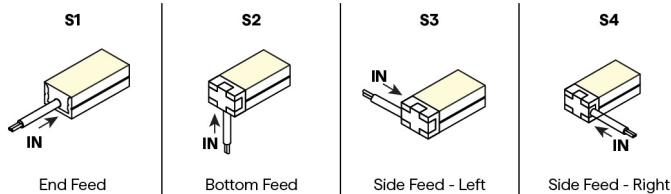


# Q-CAP BOXA™ RGBW HIGH EFFICACY

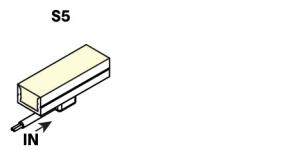
## 24VDC Flexible Fixtures

### 7 WIRE INPUT/OUTPUT

SINGLE (Input only)

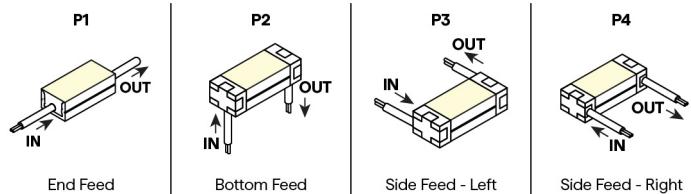


SEAMLESS SINGLE (Input only)

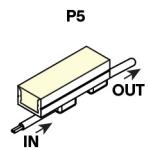


Seamless Feed

PASS THROUGH (Input/Output)

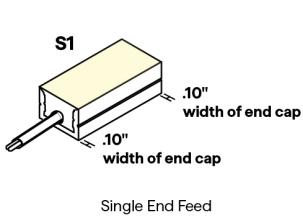


SEAMLESS PASS THROUGH (Input/Output)

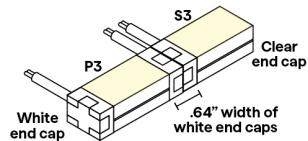


Seamless Feed

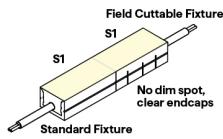
### CONFIGURATION OPTIONS



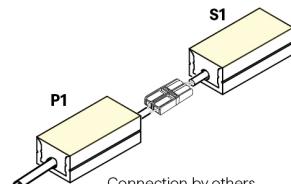
Single End Feed



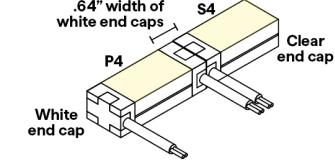
Continuous Side Feed - Left



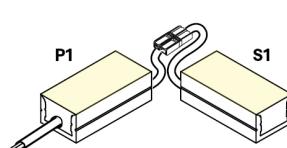
Field Cuttable - Continuous End to End Feed



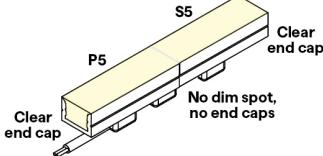
Connection by others  
Non-Continuous End Feed



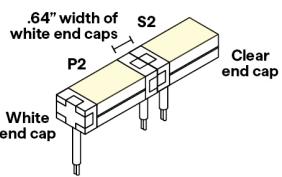
Continuous Side Feed - Right



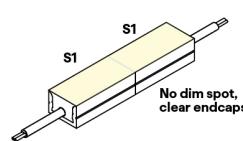
Connection by others  
Non-Continuous Corner Feed



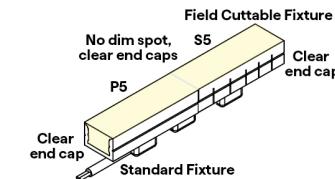
Seamless Bottom Feed



Continuous Bottom Feed



Continuous End to End Feed



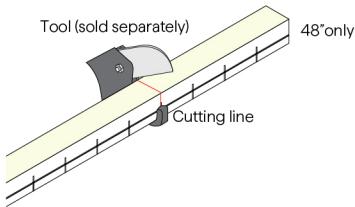
Field Cuttable - Seamless Bottom Feed



# Q-CAP BOXA™ RGBW HIGH EFFICACY

## 24VDC Flexible Fixtures

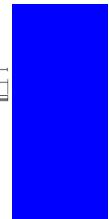
### FIELD CUTTABLE MARKING



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

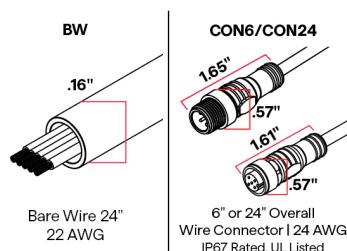
Shown with bare wire, connectors vary



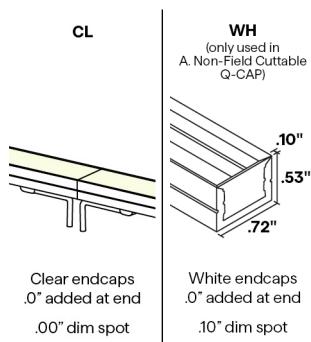
Omnidirectional  
wireways  
S5, P5

### 8 / 9 CONNECTOR/WIRE – IN/OUT

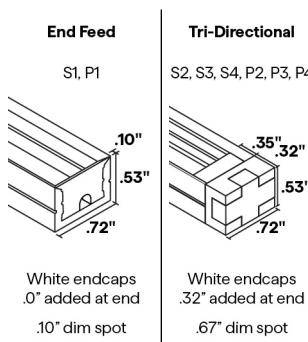
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out, and WH for End Caps



### 10 END CAPS (NO FEED)

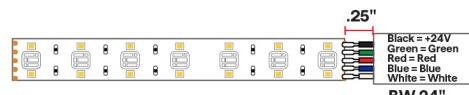


### END CAPS (WITH FEED)



### 11 LENGTH - WIRING DETAIL

4.0HEW | Available in 2" increments 12"-19"

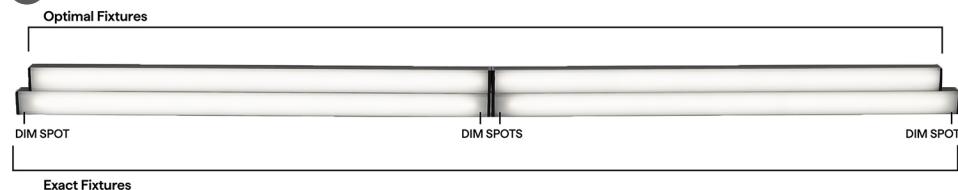




# Q-CAP BOXA™ RGBW HIGH EFFICACY

## 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.

### 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  $\pm 0 - 1/8"$ . Consult factory for lengths under 12".

#### EXACT LENGTH

Requested Length	Potential dim spot on either end of fixture with S1 wireway	OPTIMAL LENGTH: highlighted rows are closest to requested nominal length								
Requested Nominal Length	S1 S1	S2 & S3 & S4		P1	P2 & P3 & P4		S5 & P5			
	IN End Feed	S2 Bottom Feed	S3 IN Side Feed - Left	S4 IN Side Feed - Right	P1 OUT End Feed	P2 OUT Bottom Feed	P3 OUT Side Feed - Left	P4 OUT Side Feed - Right	S5 IN Seamless Feed	P5 OUT IN Seamless Feed
12"	1"	10.68"	10.98"	11.1"	11.1"	11.85"	11.85"	10.2"		
13"	.5"	12.68"	12.98"	11.1"	11.1"	11.85"	11.85"	12.2"		
14"	1"	12.68"	12.98"	13.1"	13.1"	13.85"	13.85"	12.2"		
15"	.5"	14.68"	14.98"	13.1"	13.1"	13.85"	13.85"	14.2"		
16"	1"	14.68"	14.98"	15.1"	15.1"	15.85"	15.85"	14.2"		
17"	.5"	16.68"	16.98"	15.1"	15.1"	15.85"	15.85"	16.2"		
18"	1"	16.68"	16.98"	17.1"	17.1"	17.85"	17.85"	16.2"		
19"	.5"	18.68"	18.98"	17.1"	17.1"	17.85"	17.85"	18.2"		
20"	1"	18.68"	18.98"	19.1"	19.1"	19.85"	19.85"	18.2"		
21"	.5"	20.68"	20.98"	19.1"	19.1"	19.85"	19.85"	20.2"		
22"	1"	20.68"	22.98"	21.1"	21.1"	21.85"	21.85"	20.2"		
23"	.5"	22.68"	22.98"	21.1"	21.1"	21.85"	21.85"	22.2"		
24"	1"	22.68"	22.98"	23.1"	23.1"	23.85"	23.85"	22.2"		
36"	1"	34.68"	34.98"	35.1"	35.1"	35.85"	35.85"	34.2"		
48"	1"	46.68"	46.98"	47.1"	47.1"	47.85"	47.85"	46.2"		
60"	1"	58.68"	58.98"	59.1"	59.1"	59.85"	59.85"	58.2"		
72"	1"	70.68"	70.98"	71.1"	71.1"	71.85"	71.85"	70.2"		
84"	1"	82.68"	82.98"	83.1"	83.1"	83.85"	83.85"	82.2"		
96"	1"	94.68"	94.98"	95.1"	95.1"	95.85"	95.85"	94.2"		

### 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
	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+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 RGBW App Dongle	

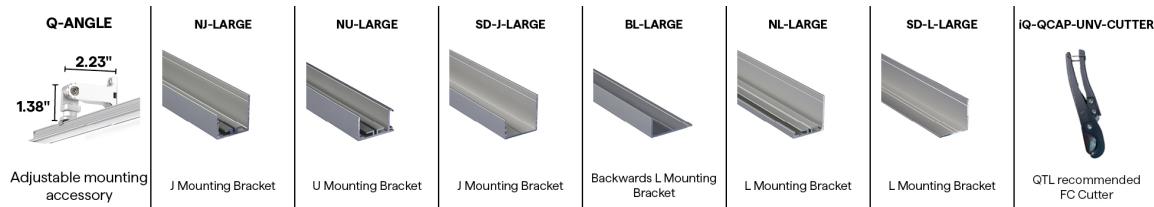


# Q-CAP BOXA™ RGBW HIGH EFFICACY

## 24VDC Flexible Fixtures

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



## COMPATIBLE WIRING ACCESSORIES



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

## COMPATIBLE CONTROL ACCESSORIES



## COMPATIBLE APPS

### NFC APP



Read and write DMX addresses and adjust voltage