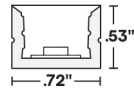
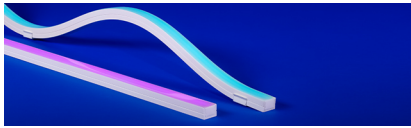




# Q-CAP BOXA™ RGBW HIGH EFFICACY

## 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	2	3	4	5	6	7	8	9	10	11
PRODUCT	MOUNTING	RATED	CCT	WATTAGE	LENS	WIRE INPUT/OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	END CAPS	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

MC

SGC

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'

Rigid Lock Channel

Magnetic Clip

Side Graze Channel

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

3

RATED

DRY

WET

IP20

IP67

4

CCT

RGBW-27

RGBW-30

RGBW-35

RGBW-40

RGBW-2700K

RGBW-3000K

RGBW-3500K

RGBW-4000K

5

WATTAGE

4.0HE

4.0WHE-SO

SO: Standard Output

6

LENS

ENC/CL

ENC/TL

Encapsulated in Clear

Encapsulated in Translucent

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

7

WIRE INPUT/OUTPUT

S1

S2

S3

S4

S5

Single 1 (Input only) - End Feed

Single 2 (Input only) - Bottom Feed

Single 3 (Input only) - Left Side Feed

Single 4 (Input only) - Right Side Feed

Single 5 (Input only) - Seamless Feed

8

CONNECTOR/WIRE IN

BW

CON6

CON24

Bare Wire (Standard 24")

Connector 6"

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

WH

Clear

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.

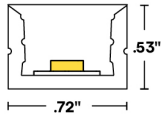
5 year warranty | Up/Down Bend | Data subject to change, all data has +/- 5% tolerance | Ambient or mounting surface must not be lower than -4°F or higher than 125°F | Patent # D872,931 S, D847,395 S, 10,619,828 B2 | Only FC fixtures are Field-Cuttable per installation instructions | Field Cuttable is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



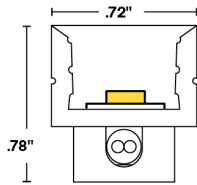
# Q-CAP BOXA™ RGBW HIGH EFFICACY

24VDC Flexible Fixtures

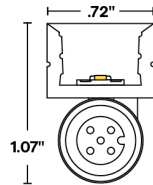
## 1 PRODUCT - DIMENSIONS



Profile  
(Standard)



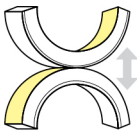
Profile  
(Seamless bare wire)



Profile  
(CON6-24 barrel)

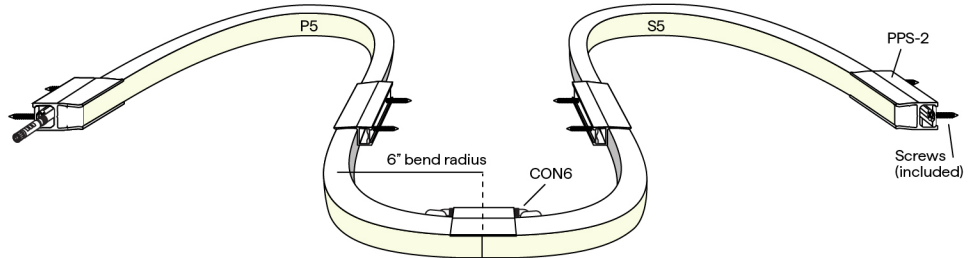
## BEND RADIUS

Up/Down Bend



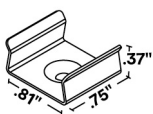
6" bending radius

## FLEXIBILITY



## 2 MOUNTING

WSC

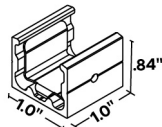


White Snug Clip  
Indirect uplight

To order separately use WSC

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

RLC

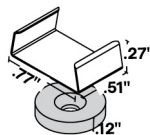


Rigid Lock Channel

To order separately use RLC

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

MC

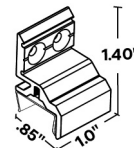


Magnetic Clip  
Cove use only

To order separately use MC

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

SGC

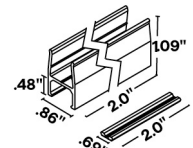


Side Graze Clip

To order separately use SGC

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

PPS-2



PVC Mounting Clip

To order separately use BOXA-PPS2



# Q-CAP BOXA™ RGBW HIGH EFFICACY

## 24VDC Flexible Fixtures

### MOUNTING CONTINUED

**PPS-96**

96" straight linear run

To order separately use BOXA-PPS-96

Each clip comes with a #8" flat screw

**PPS-LP-2**

Low profile PVC Mounting Clip

To order separately use BOXA-PPS-LP-2

**PPS-LP-96**

Low profile PVC channel 96" straight linear run

To order separately use BOXA-PPS-LP-96

Each clip comes with a #8" flat 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-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-RGBW-\*-\*-DRY

CCT	4.0HE W/FT Total Load 3.0W/FT Per Channel				
	ENC/CL		ENC/TL		Circuit Wattage
	LM	Wavelength	LM	Wavelength	
Red	29	630	21	629	0.77
Green	120	519	82	519	1.2
Blue	34	466	25	464	1.1
CCT	1.0W/FT Per Channel				
	ENC/CL		ENC/TL		Circuit Wattage
	LM	CRI	LM	CRI	
2700K	63	98	47	98	0.86
3000K	74	97	50	96	0.86
3500K	72	96	57	97	0.86
4000K	77	96	56	96	0.86

### 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

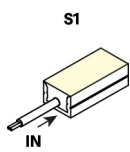


# Q-CAP BOXA™ RGBW HIGH EFFICACY

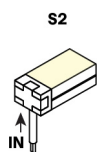
24VDC Flexible Fixtures

## 7 WIRE INPUT/OUTPUT

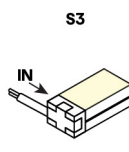
SINGLE (Input only)



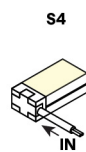
End Feed



Bottom Feed

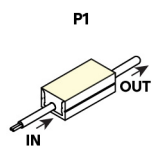


Side Feed - Left

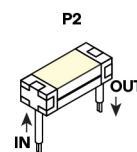


Side Feed - Right

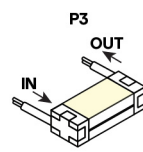
PASS THROUGH (Input/Output)



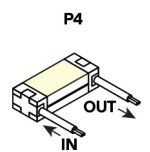
End Feed



Bottom Feed

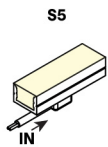


Side Feed - Left



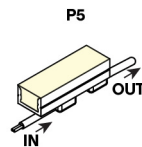
Side Feed - Right

SEAMLESS SINGLE (Input only)



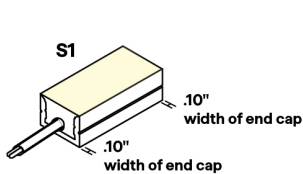
Seamless Feed

SEAMLESS PASS THROUGH (Input/Output)

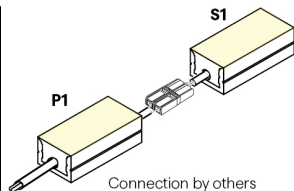


Seamless Feed

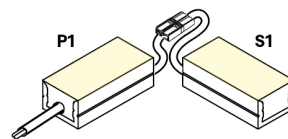
## CONFIGURATION OPTIONS



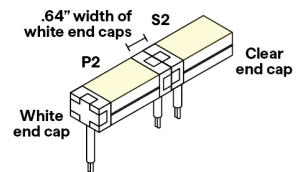
Single End Feed



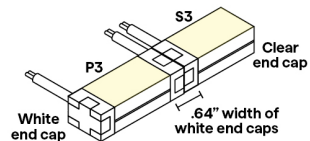
Connection by others  
Non-Continuous End Feed



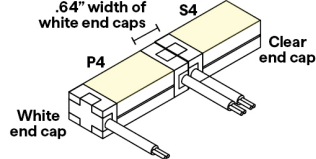
Connection by others  
Non-Continuous Corner Feed



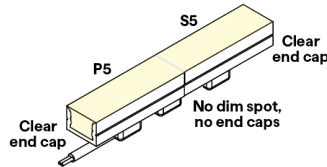
Continuous Bottom Feed



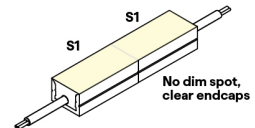
Continuous Side Feed - Left



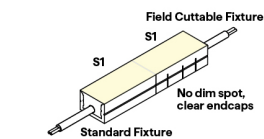
Continuous Side Feed - Right



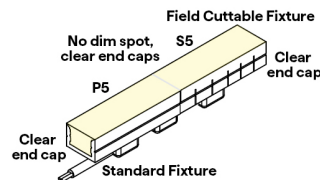
Seamless Bottom Feed



Continuous End to End Feed



Field Cuttable - Continuous End to End Feed



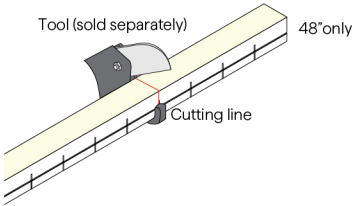
Field Cuttable - Seamless Bottom Feed



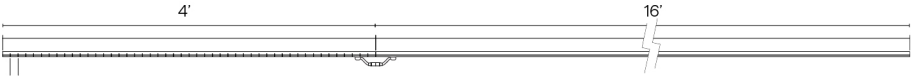
# Q-CAP BOXA™ RGBW HIGH EFFICACY

24VDC Flexible Fixtures

## FIELD CUTTABLE MARKING



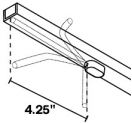
Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment



**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

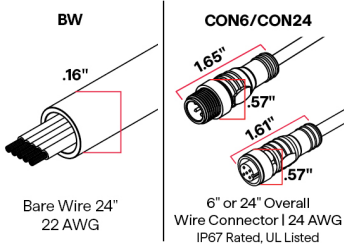
Shown with bare wire, connectors vary



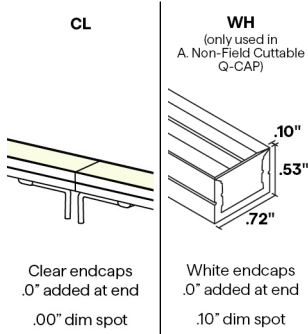
Omnidirectional wireways  
S5, P5

## 8 / 9 CONNECTOR/WIRE – IN/OUT

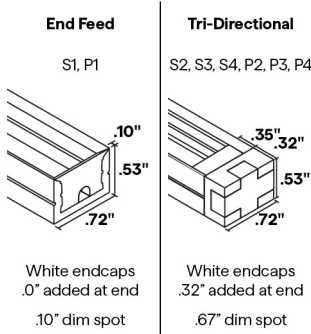
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out, and WH for End Caps



## 10 END CAPS (NO FEED)



## END CAPS (WITH FEED)



## 11 LENGTH - WIRING DETAIL

4.0HEW | Available in 2 inch increments 12 inch-191 inch

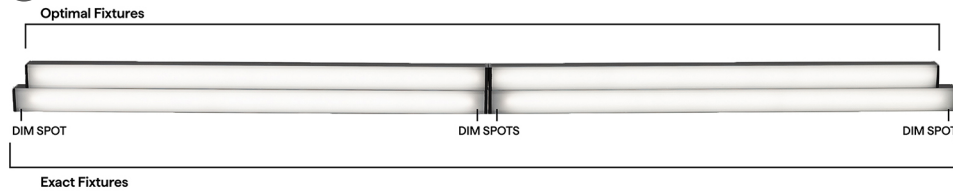




# Q-CAP BOXA™ RGBW HIGH EFFICACY

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 +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 End Feed	S2 Bottom Feed	S3 Side Feed - Left	S4 Side Feed - Right	P1 End Feed	P2 Bottom Feed	P3 Side Feed - Left	P4 Side Feed - Right	S5 Seamless Feed	P5 Seamless Feed
12"	10.68"		10.98"		11.1"		11.85"		10.2"	
13"	12.68"		12.98"		11.1"		11.85"		12.2"	
14"	12.68"		12.98"		13.1"		13.85"		12.2"	
15"	14.68"		14.98"		13.1"		13.85"		14.2"	
16"	14.68"		14.98"		15.1"		15.85"		14.2"	
17"	16.68"		16.98"		15.1"		15.85"		16.2"	
18"	16.68"		16.98"		17.1"		17.85"		16.2"	
19"	18.68"		18.98"		17.1"		17.85"		18.2"	
20"	18.68"		18.98"		19.1"		19.85"		18.2"	
21"	20.68"		20.98"		19.1"		19.85"		20.2"	
22"	20.68"		22.98"		21.1"		21.85"		20.2"	
23"	22.68"		22.98"		21.1"		21.85"		22.2"	
24"	22.68"		22.98"		23.1"		23.85"		22.2"	
36"	34.68"		34.98"		35.1"		35.85"		34.2"	
48"	46.68"		46.98"		47.1"		47.85"		46.2"	
60"	58.68"		58.98"		59.1"		59.85"		58.2"	
72"	70.68"		70.98"		71.1"		71.85"		70.2"	
84"	82.68"		82.98"		83.1"		83.85"		82.2"	
96"	94.68"		94.98"		95.1"		95.85"		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
	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

**Q-ANGLE**

Adjustable mounting accessory

**NJ-LARGE**

J Mounting Bracket

**NU-LARGE**

U Mounting Bracket

**SD-J-LARGE**

J Mounting Bracket

**BL-LARGE**

Backwards L Mounting Bracket

**NL-LARGE**

L Mounting Bracket

**SD-L-LARGE**

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

### COMPATIBLE APPS

**NFC APP**

Read and write DMX addresses and adjust voltage