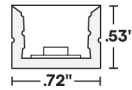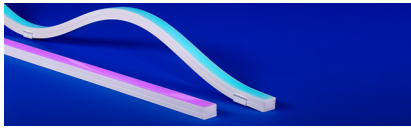# Q-CAP BOXA™ RGBW
24VDC Flexible Fixtures

- Flexible encapsulated fixture with CLEAR encapsulation only
- Up/down bend
- 6" bend radius
- Interior and exterior rated (not including FC)
- Seven different mounting options
- Available in a seamless configuration for a continuous line of light
- Utilize clear endcaps for continuous runs
- Pair with ZALA's side bend to achieve compound curves
- Offered in RGBW-HE
- 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				6.0	ENC/CL			N/A		48"

Sample Part Number: **BOXA-RGBW-PPS-2-DRY-RGBW-30-6.0-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

5 WATTAGE

6.0	6.0W-SO

SO: Standard Output

6 LENS

ENC/CL	Encapsulated in Clear

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 4" increments.
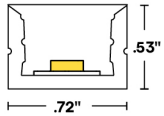
Q-CAP BOXA™ RGBW
24VDC Flexible Fixtures

1 PRODUCT - DIMENSIONS

.72"
.53"
.72"
Profile
(Standard)
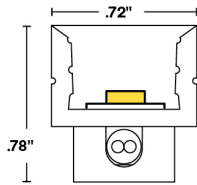
.72"
.78"
Profile
(Seamless bare wire)
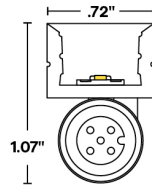
.72"
1.07"
Profile
(CON6-24 barrel)

BEND RADIUS

Up/Down Bend
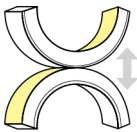
6" bending radius

FLEXIBILITY

P5

S5

PPS-2

6" bend radius

CON6

Screws
(included)

2 MOUNTING
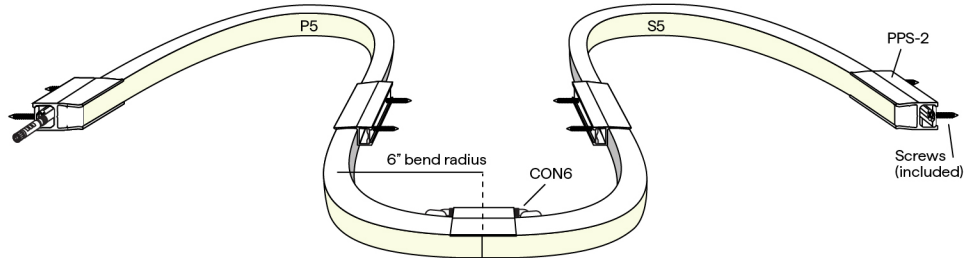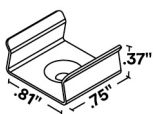
WSC	RLC	MC	SGC	PPS-2
.37" .81" .75"	.84" 1.0" 1.0"	.27" .77" .51" .12"	1.40" .85" 1.0"	.109" .48" .86" .69" 2.0" 2.0"
White Snug Clip Indirect uplight	Rigid Lock Channel	Magnetic Clip Cove use only	Side Graze Clip	PVC Mounting Clip
To order separately use WSC	To order separately use RLC	To order separately use MC	To order separately use SGC	To order separately use BOXA-PPS2
Each clip comes with a #6x5/8" flat screw	Each clip comes with a #6x5/8" flat screw	Each clip comes with a #6x5/8" flat screw	Each clip comes with a #6x5/8" flat screw	
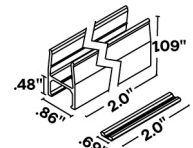
MOUNTING CONTINUED

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

6.0 W/FT Total Load			
	ENC/CL		Circuit Wattage
	LM	Wavelength	
🔴 Red	39	632	1.3
🟢 Green	119	514	1.5
🔵 Blue	33	466	1.5

CCT	ENC/CL					Circuit Wattage
	LM	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	
🟡 2700K	109	94	68	87	106	1.7
🟡 3000K	**	**	**	**	**	1.7

BUG RATING

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

6 DIODE VISIBILITY

ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

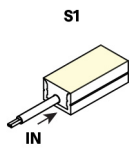|	6.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-4°F	95°F
Storage Temp	-4°F	140°F
Installation Temp	50°F	100°F

Q-CAP BOXA™ RGBW
24VDC Flexible Fixtures

7 WIRE INPUT/OUTPUT

SINGLE (Input only)
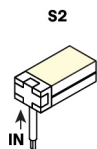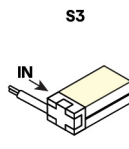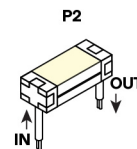
S1	S2	S3	S4
IN	IN	IN	IN
End Feed	Bottom Feed	Side Feed - Left	Side Feed - Right

PASS THROUGH (Input/Output)

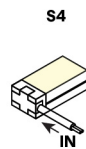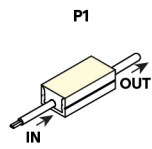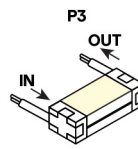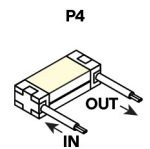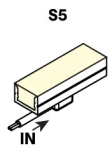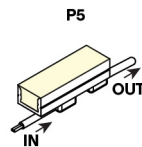| P1	P2	P3	P4
OUT / IN	OUT / IN	OUT / IN	OUT / IN
End Feed	Bottom Feed	Side Feed - Left	Side Feed - Right

SEAMLESS SINGLE (Input only)

S5

IN

Seamless Feed

SEAMLESS PASS THROUGH (Input/Output)

P5

OUT / IN
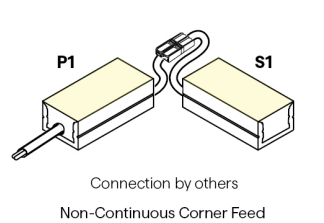
Seamless Feed

CONFIGURATION OPTIONS

S1
.10" width of end cap
.10" width of end cap
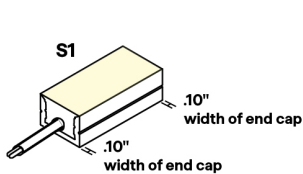
Single End Feed
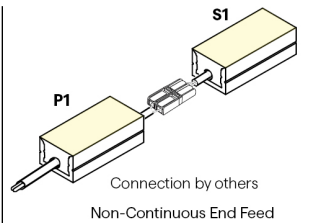
S1
P1
Connection by others

Non-Continuous End Feed
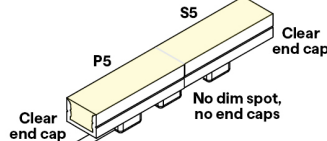
P1 **S1**
Connection by others

Non-Continuous Corner Feed

.64" width of white end caps
S2
Clear end cap
P2
White end cap

Continuous Bottom Feed

S3
Clear end cap
P3
White end cap
.64" width of white end caps

Continuous Side Feed - Left

.64" width of white end caps
S4
Clear end cap
P4
White end cap
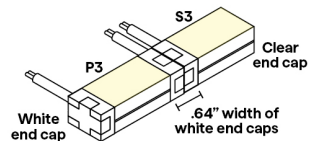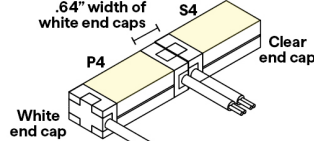
Continuous Side Feed - Right

S5
Clear end cap
P5
No dim spot, no end caps
Clear end cap

Seamless Bottom Feed

S1
S1
No dim spot, clear endcaps

Continuous End to End Feed

Field Cuttable Fixture
S1
S1
No dim spot, clear endcaps
Standard Fixture

Field Cuttable - Continuous End to End Feed

Field Cuttable Fixture
No dim spot, clear end caps
S5
Clear end cap
P5
Clear end cap
Standard Fixture
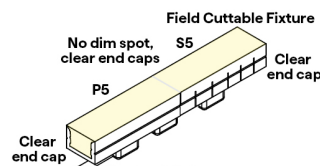
Field Cuttable - Seamless Bottom Feed

FIELD CUTTABLE MARKING

Tool (sold separately)
48"only
Cutting line
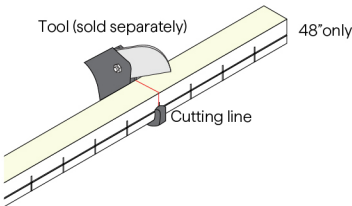
Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment

4'   16'
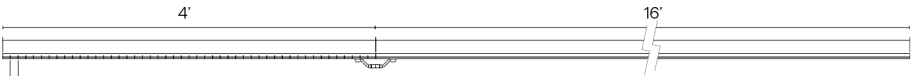
Note: Only FC fixtures are field cuttable — Do not attempt to cut non FC fixtures.
Cut only on the marked cut lines. Only cut from non-feed end. Do not attempt to cut while power is on.

SEAMLESS

Shown with bare wire, connectors vary

4.25"
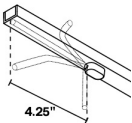
Omnidirectional
wireways
S5, P5

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

BW	CON6/CON24
.16"	1.65" / .57" / 1.61" / .57"
Bare Wire 24" 22 AWG	6" or 24" Overall Wire Connector | 24 AWG IP67 Rated, UL Listed

10 END CAPS (NO FEED)

CL

WH
(only used in
A. Non-Field Cuttable
Q-CAP)

.10"
.53"
.72"

Clear endcaps
.0" added at end

.00" dim spot

White endcaps
.0" added at end

.10" dim spot

END CAPS (WITH FEED)

End Feed

S1, P1

.10"
.53"
.72"

White endcaps
.0" added at end

.10" dim spot

Tri-Directional

S2, S3, S4, P2, P3, P4

.35" .32"
.53"
.72"

White endcaps
.32" added at end

.67" dim spot
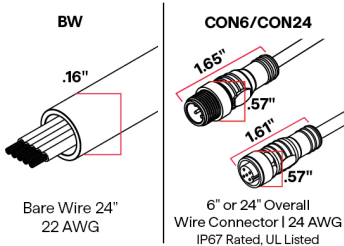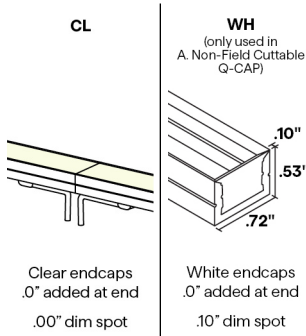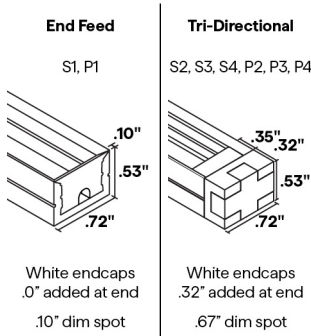
11 LENGTH - WIRING DETAIL

6.0W | Available in 4" increments 12"-191"

.25"

Blue = Blue
Red = Red
Green = Green
White = White
Black = +24V
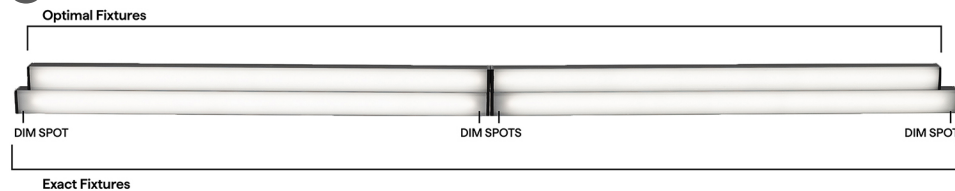
BW 24"

12 EXACT/OPTIMAL FIXTURE LENGTH

Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT

Exact Fixtures

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 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"	2"
13"	.5"
14"	1"
15"	1.5"
16"	2"
17"	.5"
18"	1"
19"	1.5"
20"	2"
21"	.5"
22"	1"
23"	1.5"
24"	2"
36"	2"
48"	2"
60"	2"
72"	2"
84"	2"
96"	2"

OPTIMAL LENGTH: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 (End Feed)	S2 & S3 & S4 — S2 (Bottom Feed)	S2 & S3 & S4 — S3 (Side Feed - Left)	S2 & S3 & S4 — S4 (Side Feed - Right)	P1 (End Feed)	P2 & P3 & P4 — P2 (Bottom Feed)	P2 & P3 & P4 — P3 (Side Feed - Left)	P2 & P3 & P4 — P4 (Side Feed - Right)	S5 & P5 — S5 (Seamless Feed)	S5 & P5 — P5 (Seamless Feed)
12"	8.68"	8.98"			8.95"	9.75"			8.2"	
13"	12.68"	12.98"			12.95"	9.75"			12.2"	
14"	12.68"	12.98"			12.95"	13.75"			12.2"	
15"	12.68"	12.98"			12.95"	13.75"			12.2"	
16"	12.68"	12.98"			12.95"	13.75"			12.2"	
17"	16.68"	16.98"			16.95"	13.75"			16.2"	
18"	16.68"	16.98"			16.95"	17.75"			16.2"	
19"	16.68"	16.98"			16.95"	17.75"			16.2"	
20"	16.68"	16.98"			16.95"	17.75"			16.2"	
21"	20.68"	20.98"			20.95"	17.75"			20.2"	
22"	20.68"	20.98"			20.95"	21.75"			20.2"	
23"	20.68"	20.98"			20.95"	21.75"			20.2"	
24"	20.68"	20.98"			20.95"	21.75"			20.2"	
36"	32.68"	32.98"			32.95"	33.75"			32.2"	
48"	44.68"	44.98"			44.95"	45.75"			44.2"	
60"	56.68"	56.98"			56.95"	57.75"			56.2"	
72"	68.68"	68.98"			68.95"	69.75"			68.2"	
84"	80.68"	80.98"			80.95"	81.75"			80.2"	
96"	92.68"	92.98"			92.95"	93.75"			92.2"	

COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR — RGBW, RGBW-HE	OUTDOOR — 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
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	NJ-LARGE	NU-LARGE	SD-J-LARGE	BL-LARGE	NL-LARGE	SD-L-LARGE	iQ-QCAP-UNV-CUTTER

2.23"
1.38"

Adjustable mounting accessory | J Mounting Bracket | U Mounting Bracket | J Mounting Bracket | Backwards L Mounting Bracket | L Mounting Bracket | L Mounting Bracket | QTL recommended FC Cutter

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

2.80"
2.27"

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

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

1.36"
2.58"

Wi-Fi or Bluetooth
Connectivity

COMPATIBLE APPS

NFC APP

Q-NFC

Read and write
DMX addresses and
adjust voltage