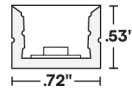
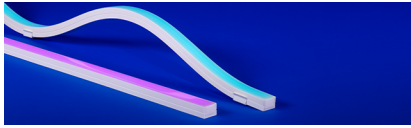




Q-CAP BOXA™ RGBW HIGH EFFICACY

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

ORDERING PROCESS

A Specify Non-Field Cuttable Q-CAP

B (Optional) Specify field cuttable 4' piece - used to adjust total run length in the field (dry applications only)

A. NON-FIELD CUTTABLE Q-CAP

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

A1	A2	A3	A4	A5	A6
PRODUCT	MOUNTING	RATED	CCT	WATTAGE	LENS
BOXA-RGBW				4.0HE	

ADDITIONAL INFORMATION REQUIRED TO ORDER

A7	A8	A9	A10	A11	A12
WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	END CAPS	LENGTH (IN)	EXACT/ OPTIMAL

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

<div>A1</div> <div>PRODUCT</div> <div>BOXA-RGBW</div> <div>See last page for compatible power supplies.</div>	<div>A2</div> <div>MOUNTING</div> <div><div>RLC</div><div>MC</div><div>SGC</div><div>PPS-2</div><div>PPS-96</div><div>PPS-LP-2</div><div>PPS-LP-96</div><div>WSC</div><div>BN-UD-SST-16'</div><div>BN-UD-SST-32'</div><div>BN-UD-WH-16'</div><div>BN-UD-WH-32'</div></div> <div><div>Rigid Lock Channel</div><div>Magnetic Clip</div><div>Side Graze Channel</div><div>PVC Clip</div><div>PVC Channel</div><div>PVC Low Profile Clip</div><div>PVC Low Profile Channel</div><div>White Snug Clip</div><div>16' BENDIT Up/Down Stainless Steel Channel</div><div>32' BENDIT Up/Down Stainless Steel Channel</div><div>16' BENDIT Up/Down White Stainless Channel</div><div>32' BENDIT Up/Down White Stainless Channel</div></div> <div><div>White snug clip only for indirect cove use, not intended for hanging fixtures upside down.</div><div>PPS mounting clip recommended for seamless applications</div></div>	<div>A3</div> <div>RATED</div> <div><div>DRY</div><div>WET</div></div> <div><div>IP20</div><div>IP67</div></div>	<div>A4</div> <div>CCT</div> <div><div>RGBW-27</div><div>RGBW-30</div><div>RGBW-35</div><div>RGBW-40</div></div> <div><div>RGBW-2700K</div><div>RGBW-3000K</div><div>RGBW-3500K</div><div>RGBW-4000K</div></div>	<div>A5</div> <div>WATTAGE</div> <div><div>4.0HE</div><div>4.0WHE-SO</div></div> <div>SO: Standard Output</div>
<div>A6</div> <div>LENS</div> <div><div>ENC/CL</div><div>ENC/TL</div></div> <div><div>Encapsulated in Clear</div><div>Encapsulated in Translucent</div></div> <div>For representation of LED visibility, see Diode Visibility section on following pages</div>	<div>A7</div> <div>WIRE INPUT/OUTPUT</div> <div><div>SINGLE (Input only)</div><div>S1</div><div>S2</div><div>S3</div><div>S4</div><div>S5</div></div> <div><div>End Feed</div><div>Bottom Feed</div><div>Left Side Feed</div><div>Right Side Feed</div><div>Seamless Feed</div></div> <div><div>PASS THROUGH (Input/Output)</div><div>P1</div><div>P2</div><div>P3</div><div>P4</div><div>P5</div></div> <div><div>End Feed</div><div>Bottom Feed</div><div>Left Side Feed</div><div>Right Side Feed</div><div>Seamless Feed</div></div>	<div>A8</div> <div>CONNECTOR/WIRE IN</div> <div><div>BW</div><div>CON6</div><div>CON24</div></div> <div><div>Bare Wire (Standard 24")</div><div>Connector 6"</div><div>Connector 24"</div></div> <div><div>BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div> <div><div>BW</div><div>CON6</div><div>CON24</div></div> <div><div>Bare Wire (Standard 24")</div><div>Connector 6"</div><div>Connector 24"</div></div> <div><div>BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div>	<div>A9</div> <div>CONNECTOR/WIRE OUT</div> <div><div>N/A</div></div> <div><div>Closed End (No feed)</div></div> <div><div>BW</div><div>CON6</div><div>CON24</div></div> <div><div>Bare Wire (Standard 24")</div><div>Connector 6"</div><div>Connector 24"</div></div> <div><div>BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div>	
<div>A10</div> <div>END CAPS</div> <div><div>CL</div><div>WH</div></div> <div><div>Clear</div><div>White</div></div> <div><div>N/A</div></div> <div><div>Not Applicable</div></div>	<div>A11</div> <div>LENGTH (IN)</div> <div><div>Minimum length is 12", maximum length is 191" not including end caps. Contact us for lengths under 12". Available in 2" increments.</div></div>	<div>A12</div> <div>EXACT/OPTIMAL</div> <div><div>O</div><div>E</div></div> <div><div>Optimal Illumination</div><div>Exact Specified Length</div></div> <div><div>Exact fixtures are the exact length specified +0 - 1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.</div></div>		

Single
Pass Through

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

B. FIELD CUTTABLE Q-CAP

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

B1	B2	B3	B4	B5	B6
PRODUCT	MOUNTING	RATED	CCT	WATTAGE	LENS
BOXA-FC-RGBW		DRY		4.0HE	

ADDITIONAL INFORMATION REQUIRED TO ORDER

B7	B8	B9	B10	B11	B12
WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	END CAPS	LENGTH (IN)	EXACT/ OPTIMAL
		N/A	CL	48"	N/A

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

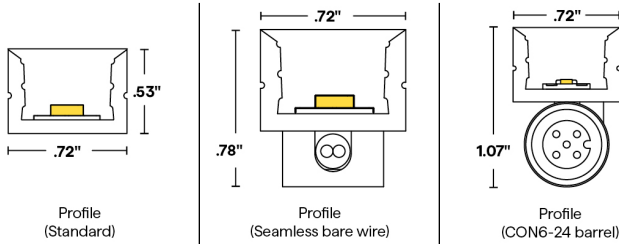
B1 PRODUCT BOXA-FC-RGBW See last page for compatible power supplies.	B2 MOUNTING RLC Rigid Lock Channel MC Magnetic Clip SGC Side Graze Channel PPS-2 PVC Clip PPS-96 PVC Channel PPS-LP-2 PVC Low Profile Clip PPS-LP-96 PVC Low Profile Channel WSC White Snug Clip BN-UD-SST-16' 16' BENDIT Up/Down Stainless Steel Channel BN-UD-SST-32' 32' BENDIT Up/Down Stainless Steel Channel BN-UD-WH-16' 16' BENDIT Up/Down White 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	B3 RATED DRY IP20	B4 CCT RGBW-27 RGBW-2700K RGBW-30 RGBW-3000K RGBW-35 RGBW-3500K RGBW-40 RGBW-4000K	B5 WATTAGE 4.0HE 4.0WHE-SO SO: Standard Output
B6 LENS ENC/CL Encapsulated in Clear ENC/TL Encapsulated in Translucent For representation of LED visibility, see Diode Visibility section on following pages	B7 WIRE INPUT/OUTPUT SINGLE (Input only) S1 End Feed S2 Bottom Feed S3 Left Side Feed S4 Right Side Feed S5 Seamless Feed	B8 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)	B9 CONNECTOR/WIRE OUT N/A Closed End (No feed)	
B10 END CAPS CL Clear Due to cutting, white endcaps are not available.	B11 LENGTH (IN) 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 4.0HE has 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"	B12 EXACT/OPTIMAL N/A		



Q-CAP BOXA™ RGBW HIGH EFFICACY

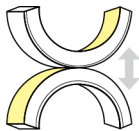
24VDC Flexible Fixtures

1 PRODUCT - DIMENSIONS



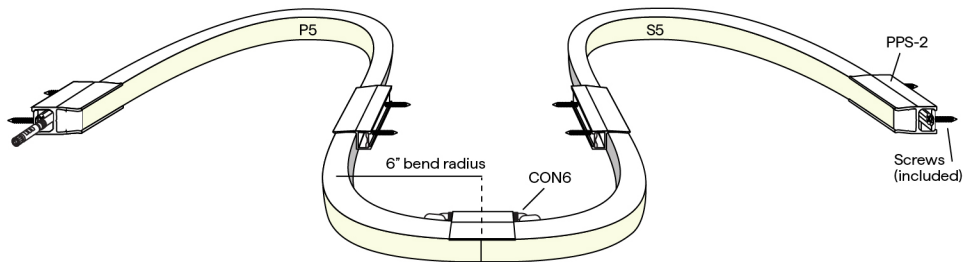
BEND RADIUS

Up/Down Bend



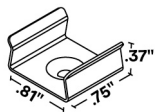
6" bending radius

FLEXIBILITY



2 MOUNTING

WSC

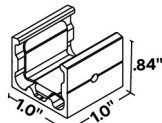


White Snug Clip
Indirect uplight

To order separately use WSC

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

RLC

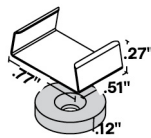


Rigid Lock Channel

To order separately use RLC

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

MC

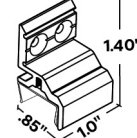


Magnetic Clip
Cove use only

To order separately use MC

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

SGC

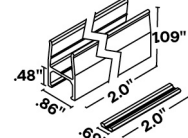


Side Graze Clip

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

4.0HEW/FT Total Load					
3.0W/FT Per Channel					
CCT	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
1.0W/FT Per Channel					
CCT	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

6 DIODE VISIBILITY

ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

BUG RATING

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

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

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1

End Feed

S2

Bottom Feed

S3

Side Feed - Left

S4

Side Feed - Right

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

P1

End Feed

P2

Bottom Feed

P3

Side Feed - Left

P4

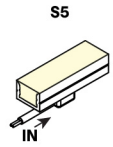
Side Feed - Right



Q-CAP BOXA™ RGBW HIGH EFFICACY

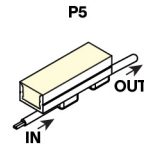
24VDC Flexible Fixtures

SEAMLESS SINGLE (Input only)



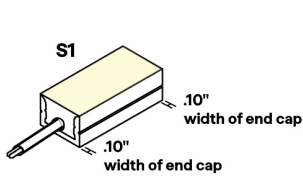
Seamless Feed

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

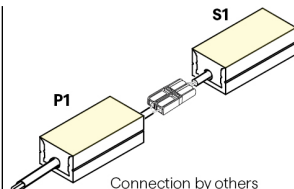


Seamless Feed

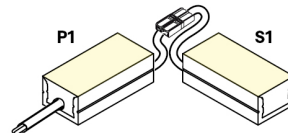
CONFIGURATION OPTIONS



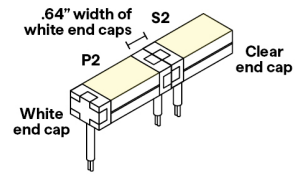
Single End Feed



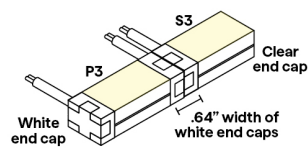
Connection by others
Non-Continuous End Feed



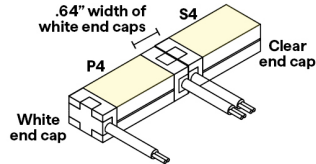
Connection by others
Non-Continuous Corner Feed



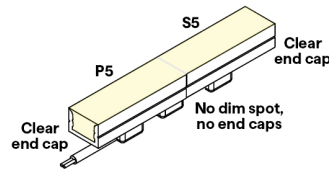
Continuous Bottom Feed



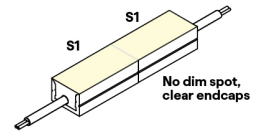
Continuous Side Feed - Left



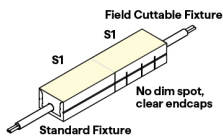
Continuous Side Feed - Right



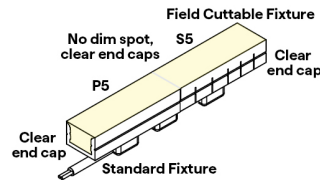
Seamless Bottom Feed



Continuous End to End Feed

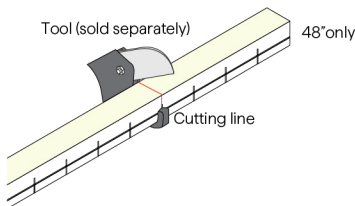


Field Cuttable - Continuous End to End Feed

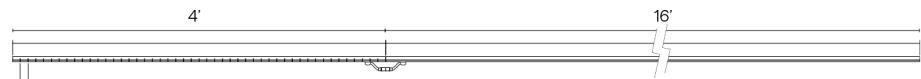


Field Cuttable - Seamless Bottom Feed

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.

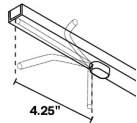


Q-CAP BOXA™ RGBW HIGH EFFICACY

24VDC Flexible Fixtures

SEAMLESS

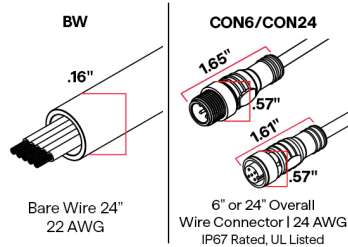
Shown with bare wire, connectors vary



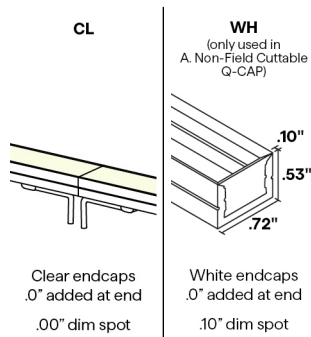
Omnidirectional wireways
S5, P5

8 / 9 CONNECTOR/WIRE - IN/OUT

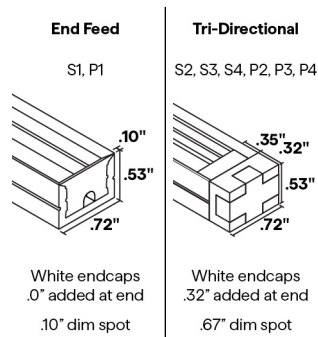
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out, and WH for End Caps



10 END CAPS (NO FEED)

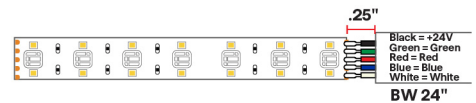


END CAPS (WITH FEED)



11 LENGTH - WIRING DETAIL

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

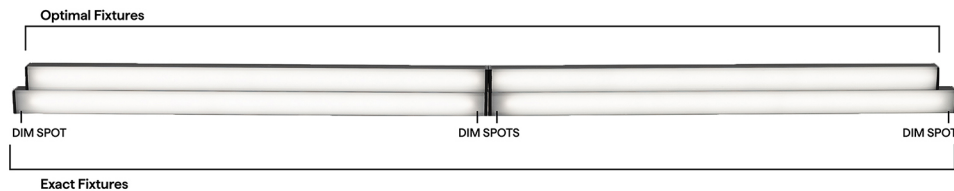


12 EXACT/OPTIMAL FIXTURE LENGTH

[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™ RGBW HIGH EFFICACY

24VDC Flexible Fixtures

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		S2 & S3 & S4		P1	P2 & P3 & P4		S5 & P5	
	S1	S2	S3	S4	P1	P2	P3	S5	P5
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	





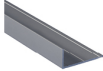



DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle	



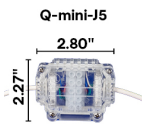
Q-CAP BOXA™ RGBW HIGH EFFICACY

24VDC Flexible Fixtures

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
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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

COMPATIBLE APPS



Read and write DMX addresses and adjust voltage