





# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures

## B. FIELD CUTTABLE Q-CAP

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
PRODUCT	MOUNTING	RATED	CCT	WATTAGE	LENS	WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	END CAPS	LENGTH (IN)	EXACT/ OPTIMAL
BOXA-FC-SW		DRY						N/A	CL	48"	N/A

Sample Part Number: **BOXA-SW-PPS-2-WET-30-3.0-ENC/TL-P1-BW-BW-N/A-48"-E**

B1

PRODUCT

BOXA-FC-SW

See last page for compatible power supplies

B2

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 Stainless Channel

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

24

27

30

35

40

2400K

2700K

3000K

3500K

4000K

B5

WATTAGE

1.5

3.0

5.0

1.5HE

3.0HE

6.0HE

1.5W-SO

3.0W-HO

5.0W-VHO

1.5WHE-SO

3.0WHE-HO

6.0WHE-VHO

SO: Standard Output

HO: High Output

VHO: Very High Output

SBM available only in 1.5, 3.0, & 5.0 (no HE)

B6

LENS

ENC/CL

ENC/TL

Encapsulated in Clear

Encapsulated in Translucent

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

B7

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

B8

CONNECTOR/WIRE IN

BW

BRL

CON6

CON24

Bare Wire (Standard 24")

Barrel

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)

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

1.5, 3.0, & 5.0 have a 1" cut point

1.5HE, 3.0HE, & 6.0HE have a 2" cut point

S2, S3, & S4 can be cut down to as little as 1.725" for SW & 2.725" for SW-HE

S1 can be cut down to as little as 1.475" for SW & 2.475" for SW-HE

S5 can be cut down to as little as 6.475"

B12

EXACT/OPTIMAL

N/A

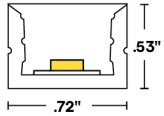
Single ▶



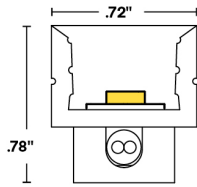
# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures

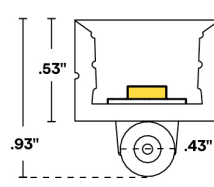
## 1 PRODUCT - DIMENSIONS



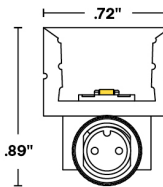
Profile  
(Standard)



Profile  
(Seamless bare wire)



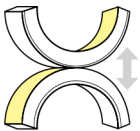
Profile  
(Seamless barrel)



Profile  
(CON6-24 barrel)

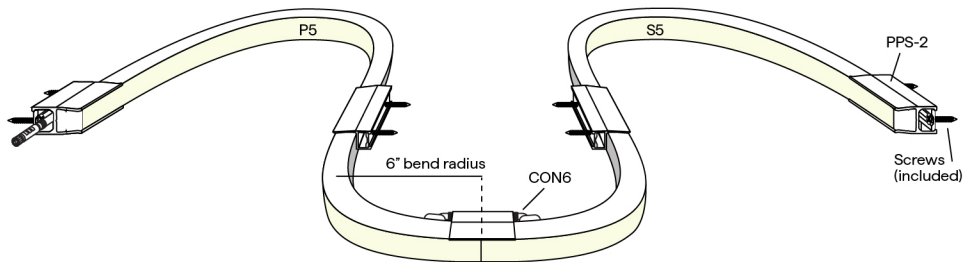
## BEND RADIUS

### Up/Down Bend



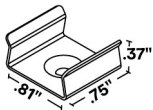
6" bending radius

## FLEXIBILITY



## 2 MOUNTING

### WSC

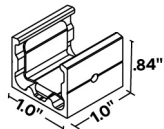


White Snug Clip  
Indirect uplight

To order separately use WSC

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

### RLC

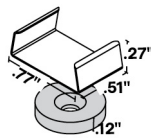


Rigid Lock Channel

To order separately use RLC

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

### MC

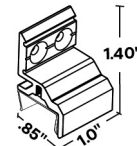


Magnetic Clip  
Cove use only

To order separately use MC

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

### SGC

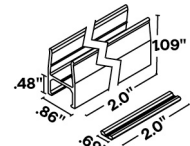


Side Graze Clip

To order separately use SGC

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

### PPS-2



PVC Mounting Clip

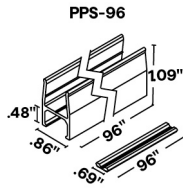
To order separately use BOXA-PPS2



# Q-CAP BOXA™ STATIC WHITE

## 24VDC Flexible Fixtures

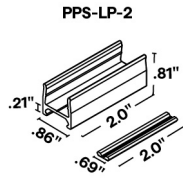
### MOUNTING CONTINUED



96" straight linear run

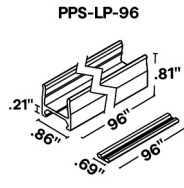
To order separately use BOXA-PPS-96

Each clip comes with a #8" flat screw



Low profile PVC Mounting Clip

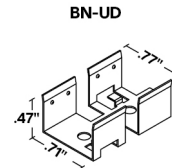
To order separately use BOXA-PPS-LP-2



Low profile PVC channel 96" straight linear run

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-SW-WSC-DRY

CCT	1.5W/FT				1.5HE W/FT				3.0W/FT				3.0HE W/FT				5.0W/FT				6.0HE W/FT			
	ENC/CL		ENC/TL		ENC/CL		ENC/TL		ENC/CL		ENC/TL		ENC/CL		ENC/TL		ENC/CL		ENC/TL		ENC/CL		ENC/TL	
	LM	CRI	LM	CRI	LM	CRI	LM	CRI	LM	CRI	LM	CRI	LM	CRI	LM	CRI	LM	CRI	LM	CRI	LM	CRI	LM	CRI
2400K	131	95	103	94	178	93	126	92	231	93	184	93	336	93	257	93	320	94	265	94	581	93	434	93
2700K	125	97	102	97	165	95	120	96	238	99	188	98	314	96	238	96	324	98	280	98	565	96	416	96
3000K	133	99	108	98	163	96	134	96	242	98	198	98	319	96	269	97	337	98	294	98	580	96	464	97
3500K	142	96	114	96	196	98	152	98	242	96	204	97	369	98	282	98	350	97	285	97	662	98	495	98
4000K	148	95	120	96	174	97	158	97	263	96	207	97	356	97	300	97	364	97	305	97	611	97	512	97

### TEMPERATURE RATINGS

	1.5 W/FT		1.5 HE W/FT		3.0 W/FT		3.0 HE W/FT		5.0 W/FT		6.0 HE W/FT	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	130°F	-4°F	140°F	-4°F	125°F	-4°F	125°F	-4°F	105°F	-4°F	95°F
Storage Temp	-4°F	140°F	-4°F	140°F	-4°F	140°F	-4°F	140°F	-4°F	140°F	-4°F	140°F
Installation Temp	50°F	100°F	50°F	100°F	50°F	100°F	50°F	100°F	50°F	100°F	50°F	100°F

### BUG RATING

WATTAGE	B	U	G
1.5 (ALL CCTs), 3.0 (ALL CCTs), 5.0 (ALL CCTs)	BO	U1	G0
1.5HE (ALL CCTs), 3.0HE (ALL CCTs), 6.0HE ENC/TL (2400K, 2700K, 3000K, 4000K)	BO	U1	G0
6.0HE ENC/CL (2400K, 2700K, 3000K), 6.0HE ENC/TL (3500K)	BO	U1	G1
6.0HE ENC/CL (3500K, 4000K)	BO	U2	G1

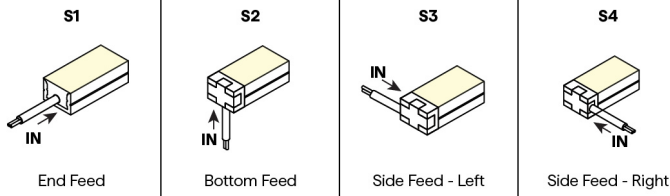


# Q-CAP BOXA™ STATIC WHITE

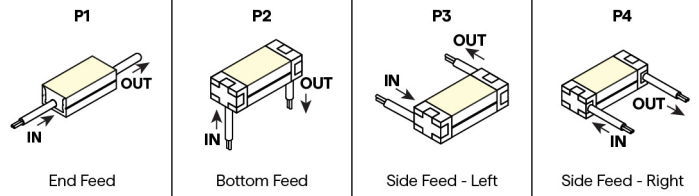
24VDC Flexible Fixtures

## 7 WIRE INPUT/OUTPUT

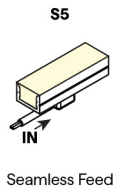
SINGLE (Input only)



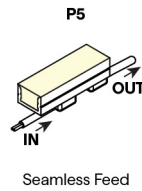
PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP



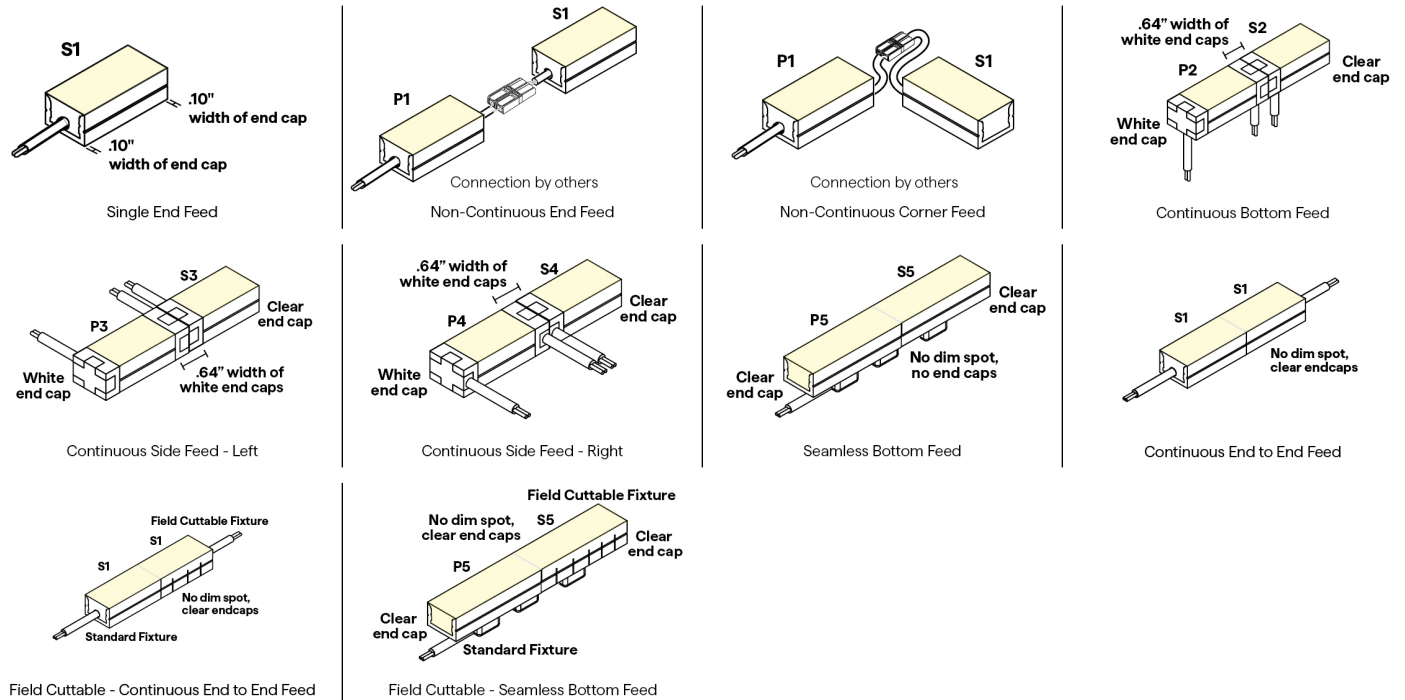
SEAMLESS SINGLE (Input only)



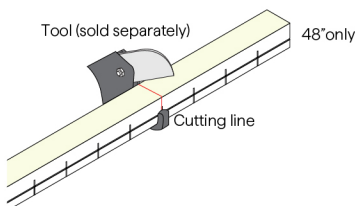
SEAMLESS PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP



## CONFIGURATION OPTIONS



## 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.

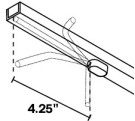


# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures

## SEAMLESS

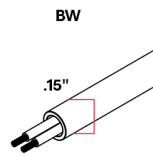
Shown with bare wire, connectors vary



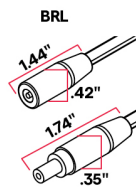
Omnidirectional wireways  
S5, P5

## 8 / 9 CONNECTOR/WIRE - IN/OUT

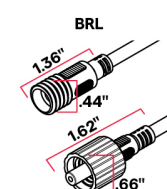
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out, and WH for End Caps



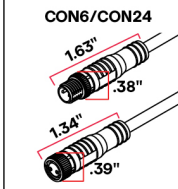
Bare Wire 24"  
22 AWG



Barrel 6" - DRY/DMP |  
22 AWG

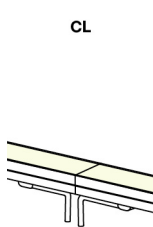


Barrel 6" - WET | 22 AWG

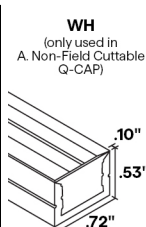


6" or 24" Overall  
Wire Connector | 22 AWG  
IP67 Rated, UL Listed

## 10 END CAPS (NO FEED)

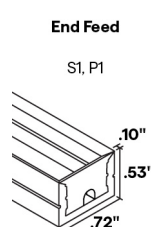


Clear endcaps  
.0" added at end  
.00" dim spot

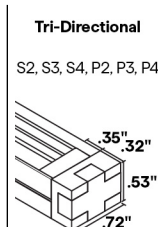


White endcaps  
.0" added at end  
.10" dim spot

## END CAPS (WITH FEED)



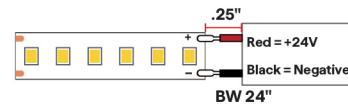
White endcaps  
.0" added at end  
.10" dim spot



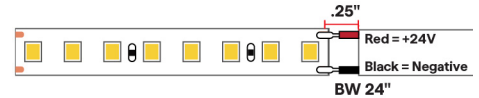
White endcaps  
.32" added at end  
.67" dim spot

## 11 LENGTH - WIRING DETAIL

1.5W, 3.0W, 5.0W | Available in 1" increments 12"-191"



1.5HEW, 3.0HEW, 6.0HEW | Available in 2" increments 12"-191"

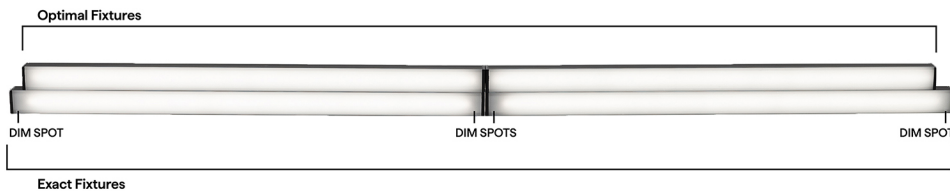


## 12 EXACT/OPTIMAL FIXTURE LENGTH

[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™ STATIC WHITE

24VDC Flexible Fixtures











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

### OPTIMAL LENGTH

Requested Nominal Length	S1	S2	S2 & S3 & S4		P1	P2	P2 & P3 & P4		S5 & P5	
										
12"	11.45"		11.85"		11.7"		11.5"			11.2"
13"	12.45"		12.85"		12.7"		12.5"			12.2"
14"	13.45"		13.85"		13.7"		13.5"			13.2"
15"	14.45"		14.85"		14.7"		14.5"			14.2"
16"	15.45"		15.85"		15.7"		15.5"			15.2"
17"	16.45"		16.85"		16.7"		16.5"			16.2"
18"	17.45"		17.85"		17.7"		17.5"			17.2"
19"	18.45"		18.85"		18.7"		18.5"			18.2"
20"	19.45"		19.85"		19.7"		19.5"			19.2"
21"	20.45"		20.85"		20.7"		20.5"			20.2"
22"	21.45"		21.85"		21.7"		21.5"			21.2"
23"	22.45"		22.85"		22.7"		22.5"			22.2"
24"	23.45"		23.85"		23.7"		23.5"			23.2"
36"	35.45"		35.85"		35.7"		35.5"			35.2"
48"	47.45"		47.85"		47.7"		47.5"			47.2"
60"	59.45"		59.85"		59.7"		59.5"			59.2"
72"	71.45"		71.85"		71.7"		71.5"			71.2"
84"	83.45"		83.85"		83.7"		83.5"			83.2"
96"	95.45"		95.85"		95.7"		95.5"			95.2"











## SW-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		
										
12"	10.45"		10.85"	10.7"			11.5"			10.2"
13"	12.45"		12.85"	12.7"			11.5"			12.2"
14"	12.45"		12.85"	12.7"			13.5"			12.2"
15"	14.45"		14.85"	14.7"			13.5"			14.2"
16"	14.45"		14.85"	14.7"			15.5"			14.2"
17"	16.45"		16.85"	16.7"			15.5"			16.2"
18"	16.45"		16.85"	16.7"			17.5"			16.2"
19"	18.45"		18.85"	18.7"			17.5"			18.2"
20"	18.45"		18.85"	18.7"			19.5"			18.2"
21"	20.45"		20.85"	20.7"			19.5"			20.2"
22"	20.45"		20.85"	20.7"			21.5"			20.2"
23"	22.45"		22.85"	22.7"			21.5"			22.2"
24"	22.45"		22.85"	22.7"			23.5"			22.2"
36"	34.45"		34.85"	34.7"			35.5"			34.2"
48"	46.45"		46.85"	46.7"			47.5"			46.2"
60"	58.45"		58.85"	58.7"			59.5"			58.2"
72"	70.45"		70.85"	70.7"			71.5"			70.2"
84"	82.45"		82.85"	82.7"			83.5"			82.2"
96"	94.45"		94.85"	94.7"			95.5"			94.2"





# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures

## 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	
	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1	Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1	QOM-DC+CAP QOM-PH	QOM-DC+CAP QOM-PH
0.1%	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DMX Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QOM-eLED+DALI-DT6 QOM-eLED+PS-DALI-DT6 QZ-DMX QZ-PH/0-10V	Q-SET-QZ-DMX Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QOM-eLED+DALI-DT6 QOM-eLED+PS-DALI-DT6 QZ-DMX QZ-PH/0-10V
1%	QTM-eLED(E) QZ-DALI-DT6	QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	Non-Dim Power Supply with SW App Dongle	Q-HEX-mini-DC Q-SET-mLED	

DIMMING PROTOCOL	INDOOR		OUTDOOR	
	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1	Q-HEX-mini-DC Q-SET-QZ-PH/0-10V Q-SET-mLED QOM-DC+CAP QOM-PH QZ-PH/0-10V	Q-SET-QZ-PH/0-10V QOM-DC+CAP QOM-PH QZ-PH/0-10V
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PH/0-10V	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PH/0-10V
Lutron Athena	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN		
ECO System	QTM-eLED(E)	QTM-eLED(E)		
DMX	QZ-DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	Non-Dim Power Supply with SW App Dongle		



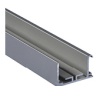
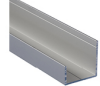









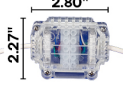




# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures

## COMPATIBLE MOUNTING ACCESSORIES

<b>Q-ANGLE</b>  Adjustable mounting accessory	<b>NJ-LARGE</b>  J Mounting Bracket	<b>NU-LARGE</b>  U Mounting Bracket	<b>SD-J-LARGE</b>  J Mounting Bracket	<b>BL-LARGE</b>  Backwards L Mounting Bracket	<b>NL-LARGE</b>  L Mounting Bracket	<b>SD-L-LARGE</b>  L Mounting Bracket	<b>IQ-QCAP-UNV-CUTTER</b>  QTL recommended FC Cutter
--	--	--	--	--	--	---	---

## COMPATIBLE WIRING ACCESSORIES

<b>Q-mini-J</b>  UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	<b>Q-mini-J5</b>  UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	<b>BARREL-EXT</b>  8ft barrel cable extender DRY ONLY	<b>BARREL FOUR-FER</b>  Splits lead from one to four LED Barrel connector fixtures, DRY/DMP	<b>CON120-EXT</b>  10ft Con cable extender DRY/DMP/WET	<b>CON FOUR-FER</b>  Splits lead from one to four LED Con connectors DRY/DMP/WET
--	---	--	--	---	---

## COMPATIBLE CONTROL ACCESSORIES

<b>SCENE APP DONGLE</b>  Wi-Fi or Bluetooth Connectivity
--

## COMPATIBLE APPS

<b>NFC APP</b>  Read and write DMX addresses and adjust voltage
--