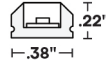




# Q-CAP A & B Columns Test 1

## 24VDC Flexible Fixtures



- Flexible encapsulated fixture
- Both helical bend and up/down bend
- 4" bend radius
- Interior and exterior rated (not including FC)
- 60% smaller than QTL's WURM fixture
- standard Q-CAP flexible fixtures are not field cuttable

### 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

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
PRODUCT	MOUNTING	RATED	CCT	WATTAGE	LENS	WIRE INPUT/OUTPUT	CONNECTOR/WIRE IN	CONNECTOR/WIRE OUT	END CAPS	LENGTH (IN)	EXACT/OPTIMAL
NEXUS-SW									WH		

Sample Part Number: **NEXUS-SW-WSC-DRY-30-4.0-ENC/TL-P1-BW-BW-N/A-48"-E**

A1

PRODUCT

NEXUS-SW

See last page for compatible power supplies.

A2

MOUNTING

WSC

BN-UD-SST-16'

BN-UD-SST-32'

BN-UD-WH-16'

BN-UD-WH-32'

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 cove use, not intended for hanging fixtures upside down.

A3

RATED

DRY

WET

IP20

IP67

A4

CCT

24

27

30

35

40

2400K

2700K

3000K

3500K

4000K

RGBW-27

RGBW-30

RGBW-35

RGBW-40

RGBW-2700K

RGBW-3000K

RGBW-3500K

RGBW-4000K

test note 11:50

A5

WATTAGE

1.0

2.0

4.0

1.0W-SO

2.0W-HO

4.0W-VHO

SO: Standard Output

HO: High Output

VHO: Very High Output

4.0HE

4.0WHE-SO

test note 11:50

A6

LENS

ENC/CL

ENC/TL

Encapsulated in Clear

Encapsulated in Translucent

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

A7

WIRE INPUT/OUTPUT

S1

P1

Single 1 (Input only) - End Feed

Pass Through 1 (Input/Output) - End Feed

A8

CONNECTOR/WIRE IN

BW

Bare Wire (Standard 24")

BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

BW

Bare Wire (Standard 24")

BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

A9

CONNECTOR/WIRE OUT

N/A

BW

Closed End (No feed)

Bare Wire (Standard 24")

BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

A10

END CAPS

WH

N/A

White

Not Applicable

A11

LENGTH (IN)

Minimum length is 12", maximum length is 191" not including end caps. Contact us for lengths under 12". Available in 1" increments.

A12

EXACT/OPTIMAL

O

E

Optimal Illumination

Exact Specified Length

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.

5 year warranty | Up/Down & Helical Bend | Data subject to change, all data has +/- 5% tolerance | Only FC fixtures are Field-Cuttable per installation instructions | Field Cuttable is not returnable or refundable after it has been cut



# Q-CAP A & B Columns Test 1

## 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
NEXUS-FC-SW		DRY				S1	BW	N/A	WH	48"	N/A

Sample Part Number: NEXUS-SW-WSC-DRY-30-4.0-ENC-TL-P1-BW-BW-N/A-48"-E

B1

PRODUCT

NEXUS-FC-SW

See last page for compatible power supplies.

B2

MOUNTING

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 cove use, not intended for hanging fixtures upside down.

B3

RATED

DRY IP20

B4

CCT

24

2400K

27

2700K

30

3000K

35

3500K

40

4000K

RGBW-27

RGBW-2700K

RGBW-30

RGBW-3000K

RGBW-35

RGBW-3500K

RGBW-40

RGBW-4000K

test note 11:50

B5

WATTAGE

1.0

1.0W-SO

2.0

2.0W-HO

4.0

4.0W-VHO

SO: Standard Output

HO: High Output

VHO: Very High Output

4.0HE

4.0WHE-SO

test note 11:50

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

S1

Single 1 (Input only) - End Feed

B8

CONNECTOR/WIRE IN

BW

Bare Wire (Standard 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

WH

White

B11

LENGTH (IN)

48"

Nominal

Starting Run length is 48.55" for S1

Each cut point subtracts from the Starting Run Length

1.0, 2.0, & 4.0 have a 1" cut point

S1 can be cut down to as little as 1.55" for SW

B12

EXACT/OPTIMAL

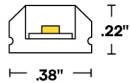
N/A



# Q-CAP A & B Columns Test 1

24VDC Flexible Fixtures

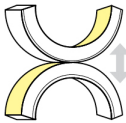
## 1 PRODUCT - DIMENSIONS



Profile  
(Standard)

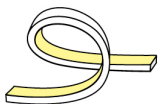
### BEND RADIUS

Up/Down Bend



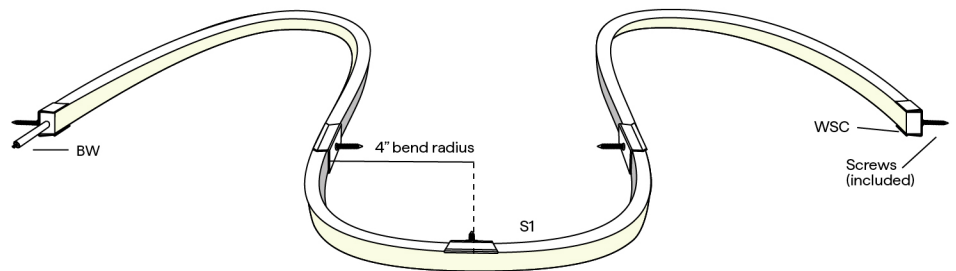
4" bending radius

Helical Bend



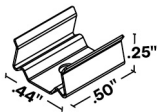
4" bending radius  
Max recommended rotation  
of 1 rotation per 16'

### FLEXIBILITY



## 2 MOUNTING

WSC

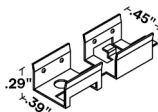


White Snug Clip  
Indirect uplight

To order separately use WSC-02

Each clip comes with a #4x5/8" 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  
MICRO5-BN-UD-S-SST-16',  
MICRO5-BN-UD-S-SST-32',  
MICRO5-BN-UD-S-WH-16', or  
MICRO5-BN-UD-S-WH-32'

64 #4-40 1/2" screws provided per  
16'



# Q-CAP A & B Columns Test 1

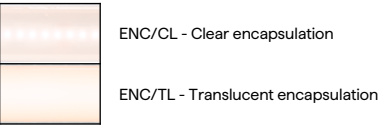
## 24VDC Flexible Fixtures

### 4 / 5 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]  
Tested with NEXUS-SW-WSC-DRY

CCT	1.0W/FT				2.0W/FT				4.0W/FT			
	ENC/CL		ENC/TL		ENC/CL		ENC/TL		ENC/CL		ENC/TL	
	LM	CRI	LM	CRI	LM	CRI	LM	CRI	LM	CRI	LM	CRI
2400K	48	94	37	93	129	93	98	94	285	93	251	93
2700K	50	96	38	96	137	97	99	96	295	97	253	96
3000K	53	96	39	98	141	96	101	98	304	96	252	98
3500K	55	97	41	98	149	97	104	98	306	97	271	98
4000K	59	98	44	98	159	98	112	98	313	97	293	98

### 6 DIODE VISIBILITY



### TEMPERATURE RATINGS

	1.0 W/FT		2.0 W/FT		4.0 W/FT	
	Min	Max	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	135°F	-4°F	125°F	-4°F	100°F
Storage Temp	-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

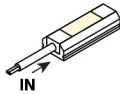
### BUG RATING

WATTAGE	B	U	G
1.0 (ALL CCTs), 2.0 (ALL CCTs), 4.0 (ALL CCTs)	B0	U1	G0

### 7 WIRE INPUT/OUTPUT

SINGLE (Input only)

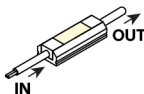
S1



End Feed

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

P1



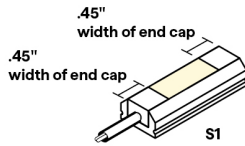
End Feed



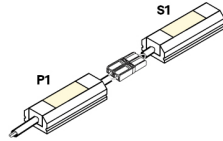
# Q-CAP A & B Columns Test 1

24VDC Flexible Fixtures

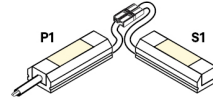
## CONFIGURATION OPTIONS



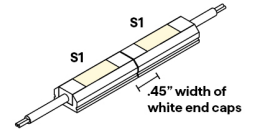
Single End Feed



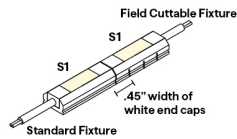
Connection by others  
Non-Continuous End Feed



Connection by others  
Non-Continuous Corner Feed

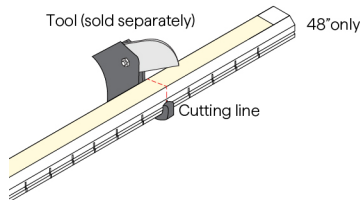


Continuous End to End Feed



Field Cuttable - Continuous End to End 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

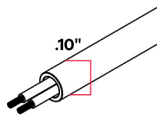


**Note:** Only FC fixtures are field cuttable — Do not attempt to cut non FC fixtures.  
Cut only on the marked cut lines. Only cut from non-feed end. Do not attempt to cut while power is on.

## 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

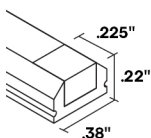
BW



Bare Wire 24"  
Stranded 22 AWG

## 10 END CAPS (NO FEED)

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

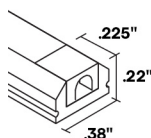


White endcaps  
.0" added at end  
.225" dim spot

## END CAPS (WITH FEED)

End Feed

S1, P1



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

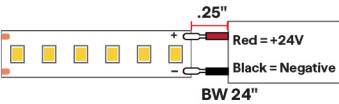
## 11 LENGTH - WIRING DETAIL



# Q-CAP A & B Columns Test 1

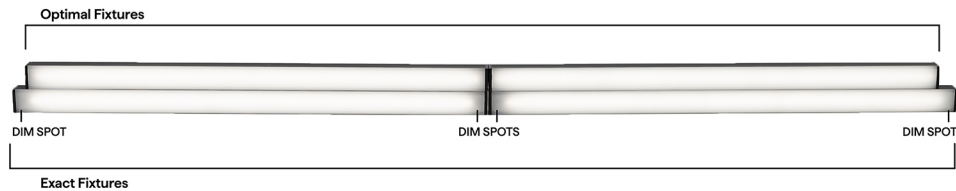
## 24VDC Flexible Fixtures

Available in 1" 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.



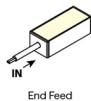
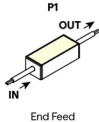
## SW LENGTHS BY INCH

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
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	P1
	 End Feed	 End Feed
12"	11.63"	11.75"
13"	12.63"	12.75"
14"	13.63"	13.75"
15"	14.63"	14.75"
16"	15.63"	15.75"
17"	16.63"	16.75"
18"	17.63"	17.75"
19"	18.63"	18.75"
20"	19.63"	19.75"
21"	20.63"	20.75"
22"	21.63"	21.75"
23"	22.63"	22.75"
24"	23.63"	23.75"
36"	35.63"	35.75"
48"	47.63"	47.75"
60"	59.63"	59.75"
72"	71.63"	71.75"
84"	83.63"	83.75"
96"	95.63"	95.75"



# Q-CAP A & B Columns Test 1

## 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
	MICRO 5-SW	MICRO 5-SW
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1	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	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	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	Q-HEX-mini-DC Q-SET-mLED

DIMMING PROTOCOL	INDOOR	OUTDOOR
	MICRO 5-SW	MICRO 5-SW
Non-Dim	QT-CAB-eLED-ND QTM-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	Q-HEX-mini-DC Q-SET-QZ-PH/0-10V Q-SET-mLED 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	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	
ECO System	QTM-eLED(E)	
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	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	



# Q-CAP A & B Columns Test 1

## 24VDC Flexible Fixtures

### COMPATIBLE MOUNTING ACCESSORIES

NJ-MICRO	BL-MICRO	SD-L-MICRO	NL-MICRO	iQ-QCAP-UNV-CUTTER
J Mounting Bracket	Backwards L Mounting Bracket	L Mounting Bracket	L Mounting Bracket	QTL recommended FC Cutter

### COMPATIBLE WIRING ACCESSORIES

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

### COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE
Wi-Fi or Bluetooth Connectivity

### COMPATIBLE APPS

NFC APP
Read and write DMX addresses and adjust voltage