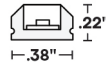




Q-CAP A & B Columns Test 1

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

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

A1	A2	A3	A4	A5	A6
PRODUCT	MOUNTING	RATED	CCT	WATTAGE	LENS
NEXUS-SW					

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
			WH		

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

A1	A2	A3	A4	A5
PRODUCT	MOUNTING	RATED	CCT	WATTAGE
NEXUS-SW See last page for compatible power supplies.	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.	DRY IP20 WET IP67	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	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

A6	A7	A8	A9
LENS	WIRE INPUT/OUTPUT	CONNECTOR/WIRE IN	CONNECTOR/WIRE OUT
ENC/CL Encapsulated in Clear ENC/TL Encapsulated in Translucent For representation of LED visibility, see Diode Visibility section on following pages	SINGLE (Input only) S1 End Feed PASS THROUGH (Input/Output) P1 End Feed	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)	N/A Closed End (No feed) 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)

A10	A11	A12
END CAPS	LENGTH (IN)	EXACT/OPTIMAL
Single WH White Pass Through N/A Not Applicable	Minimum length is 12", maximum length is 191" not including end caps. Contact us for lengths under 12". Available in 1" increments.	O Optimal Illumination E 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

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

B1	B2	B3	B4	B5	B6
PRODUCT	MOUNTING	RATED	CCT	WATTAGE	LENS
NEXUS-FC-SW		DRY			

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
	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		B2	MOUNTING		B3	RATED		B4	CCT		B5	WATTAGE	
NEXUS-FC-SW See last page for compatible power supplies.		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.			DRY IP20			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			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			

<div>B6</div> <div>LENS</div> <div>ENC/CL Encapsulated in Clear ENC/TL Encapsulated in Translucent</div> <div>For representation of LED visibility, see Diode Visibility section on following pages</div>	<div>B7</div> <div>WIRE INPUT/OUTPUT</div> <div>SINGLE (Input only) S1 End Feed</div>	<div>B8</div> <div>CONNECTOR/WIRE IN</div> <div>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)</div>	<div>B9</div> <div>CONNECTOR/WIRE OUT</div> <div>N/A Closed End (No feed)</div>
<div>B10</div> <div>END CAPS</div> <div>WH White</div>	<div>B11</div> <div>LENGTH (IN)</div> <div>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</div>	<div>B12</div> <div>EXACT/OPTIMAL</div> <div>N/A</div>	

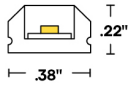
Single ▶



Q-CAP A & B Columns Test 1

24VDC Flexible Fixtures

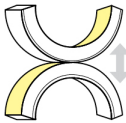
1 PRODUCT - DIMENSIONS



Profile
(Standard)

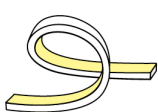
BEND RADIUS

Up/Down Bend



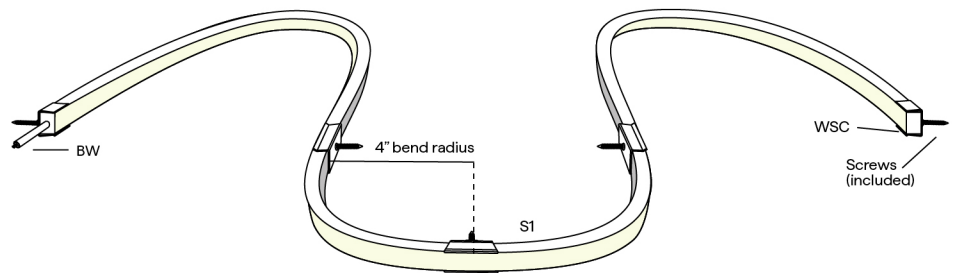
4" bending radius

Helical Bend



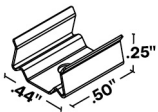
4" bending radius
Max recommended rotation
of 1 rotation per 16'

FLEXIBILITY



2 MOUNTING

WSC

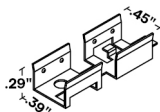


White Snug Clip
Indirect uplight

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



ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

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

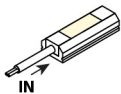
BUG RATING

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)

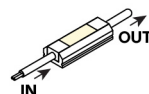
S1



End Feed

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

P1



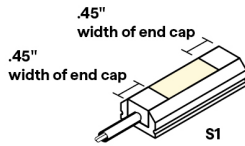
End Feed



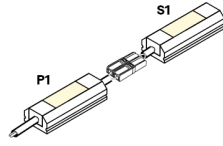
Q-CAP A & B Columns Test 1

24VDC Flexible Fixtures

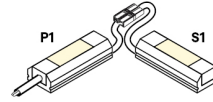
CONFIGURATION OPTIONS



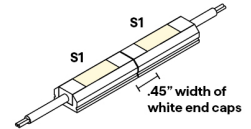
Single End Feed



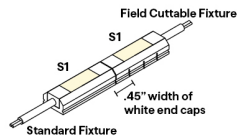
Connection by others
Non-Continuous End Feed



Connection by others
Non-Continuous Corner Feed

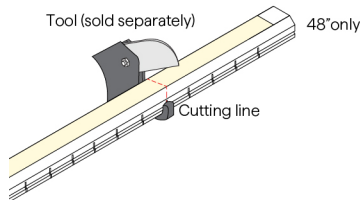


Continuous End to End Feed

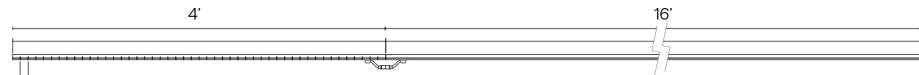


Field Cuttable - Continuous End to End Feed

FIELD CUTTABLE MARKING



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

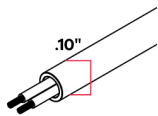


Note: Only FC fixtures are field cuttable — Do not attempt to cut non FC fixtures.
Cut only on the marked cut lines. Only cut from non-feed end. Do not attempt to cut while power is on.

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

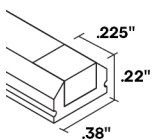


Bare Wire 24"
Stranded 22 AWG

10 END CAPS (NO FEED)

WH

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

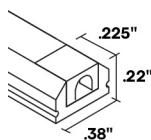


White endcaps
.0" added at end
.225" dim spot

END CAPS (WITH FEED)

End Feed

S1, P1



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

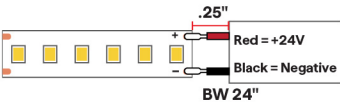
11 LENGTH - WIRING DETAIL



Q-CAP A & B Columns Test 1

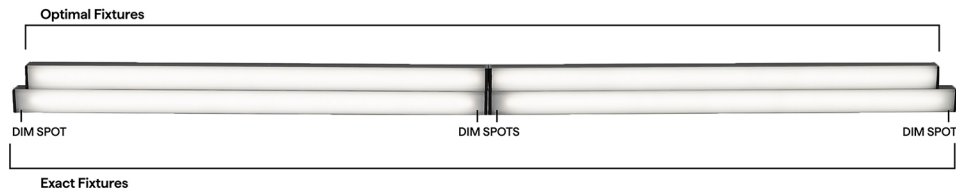
24VDC Flexible Fixtures

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.



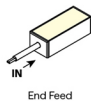
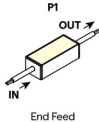
SW LENGTHS BY INCH

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



COMPATIBLE APPS

