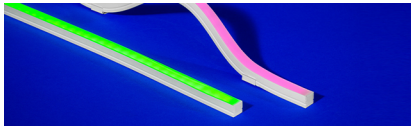# Q-CAP WAVE RGB
24VDC Flexible Fixtures

- Flexible encapsulated fixture
- Up/down bend
- 6" bend radius
- Interior and exterior rated (not including FC)
- Four different mounting options
- Available in seamless configuration for a continuous line of light
- Utilize clear endcaps for continuous runs
- 60% smaller than QTL's BOXA fixture
- Do not cut Non-Field Cuttable Q-CAP flexible fixtures

.38"
.38"

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 PRODUCT	A2 MOUNTING	A3 RATED	A4 CCT	A5 WATTAGE	A6 LENS	A7 WIRE INPUT/OUTPUT	A8 CONNECTOR/WIRE IN	A9 CONNECTOR/WIRE OUT	A10 END CAPS	A11 LENGTH (IN)	A12 EXACT/OPTIMAL
WAVE-RGB			RGB	4.0							

Sample Part Number: **WAVE-RGB-WSC-DRY-RGB-4.0-ENC/TL-P1-BW-BW-N/A-48"-E**

A1 PRODUCT

WAVE-RGB

See last page for compatible power supplies.

A2 MOUNTING

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.

RGB CON6/CON24 does not fit in PPS wireway

A3 RATED

DRY IP20
WET IP67

A4 CCT

RGB

A5 WATTAGE

4.0 4.0W-SO

SO: Standard Output

A6 LENS

ENC/CL Encapsulated in Clear
ENC/TL Encapsulated in Translucent

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

A7 WIRE INPUT/OUTPUT

S1	Single 1 (Input only) - End Feed
S5	Single 5 (Input only) - Seamless Feed

P1	Pass Through 1 (Input/Output) - End Feed
P5	Pass Through 5 (Input/Output) - Seamless Feed

A8 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)

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)

A9 CONNECTOR/WIRE OUT

N/A	Closed End (No feed)

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)

A10 END CAPS

Single

CL	Clear
WH	White

Pass Through

N/A	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 2" increments.

A12 EXACT/OPTIMAL

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.

Q-CAP WAVE RGB
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
WAVE-FC-RGB		DRY	RGB	4.0				N/A	CL	48"	N/A

Sample Part Number: **WAVE-RGB-WSC-DRY-RGB-4.0-ENC/TL-P1-BW-BW-N/A-48"-E**

B1 PRODUCT

WAVE-FC-RGB

See last page for compatible power supplies.

B2 MOUNTING

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.

RGB CON6/CON24 does not fit in PPS wireway

B3 RATED

DRY IP20

B4 CCT

RGB

B5 WATTAGE

4.0 4.0W-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

S1 Single 1 (Input only) - End Feed
S5 Single 5 (Input only) - 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.

Single

B11 LENGTH (IN)

48" Nominal

Starting Run length is 48.475" for S1 & S5
Each cut point subtracts from the Starting Run Length
4.0 has a 2" cut point
S1 can be cut down to as little as 2.475"
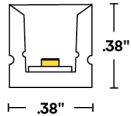S5 can be cut down to as little as 6.475"

B12 EXACT/OPTIMAL

N/A
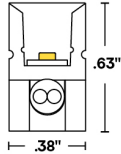
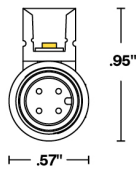# Q-CAP WAVE RGB
24VDC Flexible Fixtures

① PRODUCT - DIMENSIONS

.38"
.38"

Profile
(Standard)

.63"
.38"

Profile
(Seamless bare wire)

.95"
.57"

Profile
(Seamless CON6-24)

BEND RADIUS

Up/Down Bend
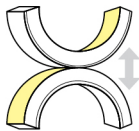
6" bending radius

FLEXIBILITY

P5

S5

PPS-2

6" bend radius

CON6

Screws
(included)

② MOUNTING
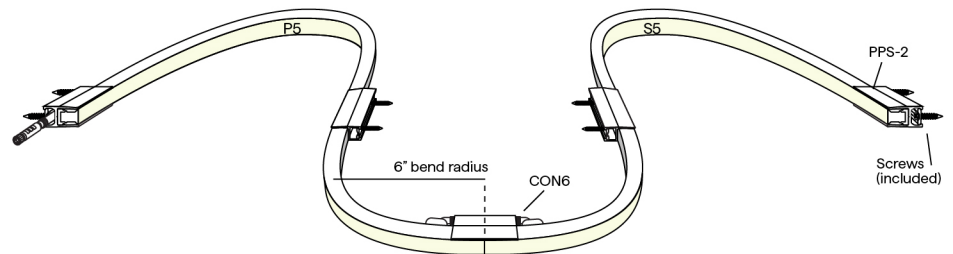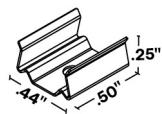
WSC	**PPS-2**	**PPS-96**	**PPS-LP-2**	**PPS-LP-96**
.25" .44" .50"	.94" .48" .56" .46" 2" 2"	.94" .48" .56" .46" 96" 96"	.47" .56" 2"	.47" .56" 96"
White Snug Clip Indirect uplight	PVC Mounting Clip	96" straight linear run	Low profile PVC Mounting Clip	Low profile PVC channel 96" straight linear run
To order separately use WSC-02	To order separately use MICRO5-PPS2	To order separately use MICRO5-PPS-96	To order separately use MICRO5-PPS-LP-2	To order separately use MICRO5-PPS-LP-96
Each clip comes with a #4x5/8" flat screw		Each clip comes with a #6" flat screw		Each clip comes with a #6" flat screw

MOUNTING CONTINUED

BN-UD

.45"
.41"
.39"
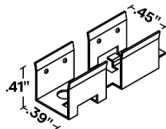
BENDIT Channel
Vertical Stainless Steel
Flexible Channel

Continuous mounting solution for flexible fixtures, 16' or 32' field cuttable lengths

To order separately use either MICRO5-BN-UD-SST-16', MICRO5-BN-UD-SST-32', MICRO5-BN-UD-WH-16', or MICRO5-BN-UD-WH-32'

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

4 / 5 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with WAVE-RGB-WSC-DRY

CCT		4.0W/FT Total Load			
		ENC/CL		ENC/TL	
		LM	Wavelength	LM	Wavelength
🔴	Red	34	630	31	631
🟢	Green	114	524	101	524
🔵	Blue	33	470	28	469
🌈	All	143	-	120	-

6 DIODE VISIBILITY

ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

BUG RATING

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

TEMPERATURE RATINGS

	4.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-4°F	110°F
Storage Temp	-4°F	140°F
Install Temp	50°F	100°F

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1

IN
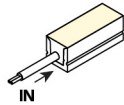
End Feed

PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP
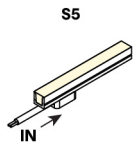
P1

OUT

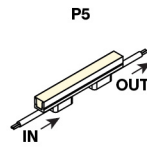IN
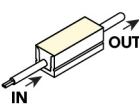
End Feed

SEAMLESS SINGLE (Input only)
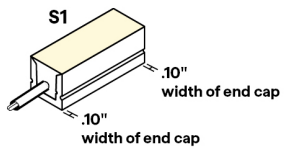
S5

IN

Seamless Feed

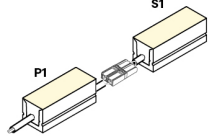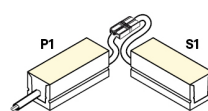**SEAMLESS PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP**
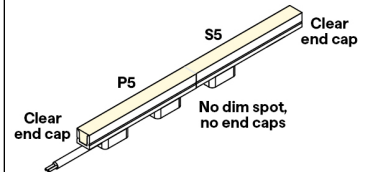
P5

OUT

IN

Seamless Feed

CONFIGURATION OPTIONS

S1

.10" width of end cap

.10" width of end cap

Single End Feed

P1 **S1**

Connection by others

Non-Continuous End Feed

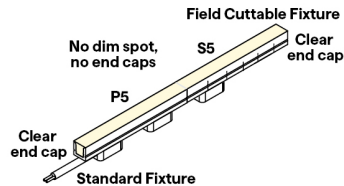**P1** **S1**

Connection by others

Non-Continuous Corner Feed

S5 Clear end cap

P5 Clear end cap

No dim spot, no end caps

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
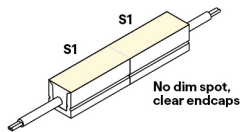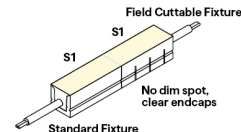
Field Cuttable - Continuous End to End Feed

Field Cuttable Fixture

No dim spot, no 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
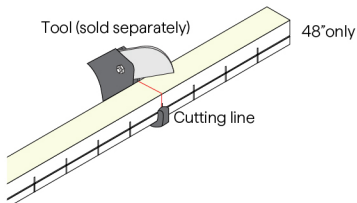
Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment

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.
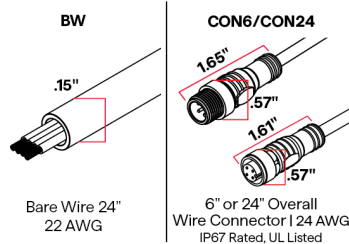
SEAMLESS

Shown with bare wire, connectors vary

4.25"
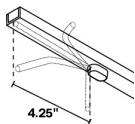
Omnidirectional wireways
S5, P5

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
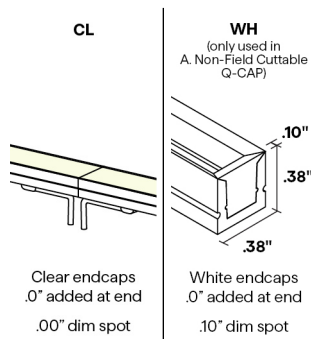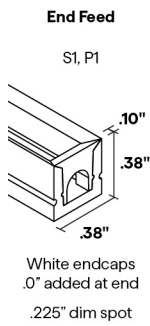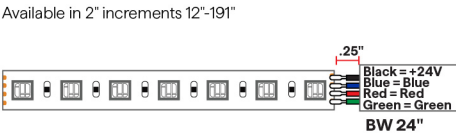
BW

.15"

Bare Wire 24"
22 AWG

CON6/CON24

1.65"

.57"

1.61"

.57"

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

Q-CAP WAVE RGB
24VDC Flexible Fixtures

10 END CAPS (NO FEED)

CL

Clear endcaps
.0" added at end

.00" dim spot

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

.10"
.38"
.38"

White endcaps
.0" added at end

.10" dim spot

END CAPS (WITH FEED)

End Feed

S1, P1

.10"
.38"
.38"

White endcaps
.0" added at end

.225" dim spot

11 LENGTH - WIRING DETAIL

Available in 2" increments 12"-191"

.25"
Black = +24V
Blue = Blue
Red = Red
Green = Green
BW 24"

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.

Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT
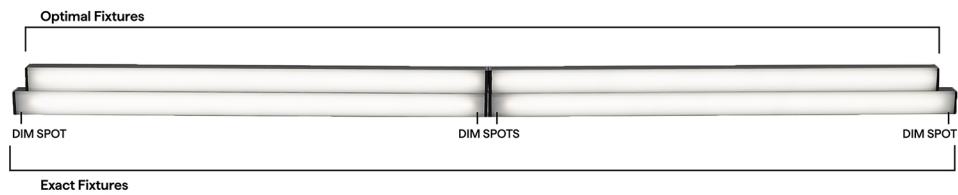
Exact Fixtures

RGB 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"	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 (End Feed)	P1 (End Feed)	S5 (Seamless Feed)	P5 (Seamless Feed)
12"	10.63"	11"	10.25"	
13"	12.63"	13"	12.25"	
14"	12.63"	13"	12.25"	
15"	14.63"	15"	14.25"	
16"	14.63"	15"	14.25"	
17"	16.63"	17"	16.25"	
18"	16.63"	17"	16.25"	
19"	18.63"	19"	18.25"	
20"	18.63"	19"	18.25"	
21"	20.63"	21"	20.25"	
22"	20.63"	21"	20.25"	
23"	22.63"	23"	22.25"	
24"	22.63"	23"	22.25"	
36"	34.63"	35"	34.25"	
48"	46.63"	47"	46.25"	
60"	58.63"	59"	58.25"	
72"	70.63"	71"	70.25"	
84"	82.63"	83"	82.25"	
96"	94.63"	95"	94.25"	

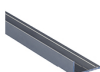# Q-CAP WAVE RGB
24VDC Flexible Fixtures

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-RGB	MICRO 5-RGB
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 RGB App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	MICRO 5-RGB	MICRO 5-RGB
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

COMPATIBLE MOUNTING ACCESSORIES

QUOVA-MICRO	NJ-MICRO	BL-MICRO	NL-MICRO	SD-L-MICRO	iQ-QCAP-UNV-CUTTER
QUOVA Knife Edge	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"
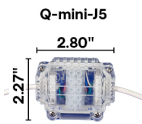
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

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