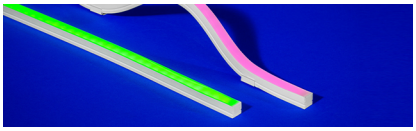
Q-CAP WAVE RGB

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

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 PRODUCT	A2 MOUNTING	A3 RATED	A4 CCT	A5 WATTAGE	A6 LENS
WAVE-RGB			RGB	4.0	

ADDITIONAL INFORMATION REQUIRED TO ORDER

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

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

SINGLE (Input only)

S1	End Feed
S5	Seamless Feed

PASS THROUGH (Input/Output)

P1	End Feed
P5	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.

5 year warranty | Up/Down 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

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Q-CAP WAVE RGB

24VDC Flexible Fixtures

B. FIELD CUTTABLE Q-CAP

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

B1 PRODUCT	B2 MOUNTING	B3 RATED	B4 CCT	B5 WATTAGE	B6 LENS
WAVE-FC-RGB		DRY	RGB	4.0	

ADDITIONAL INFORMATION REQUIRED TO ORDER

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

Sample Part Number: **WAVE-FC-RGB-WSC-DRY-RGB-4.0-ENC/TL-S1-BW-N/A-CL-48"-N/A**

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

SINGLE (Input only)
S1 End 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.

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

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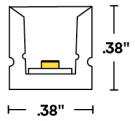
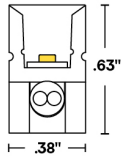
Q-CAP WAVE RGB

24VDC Flexible Fixtures

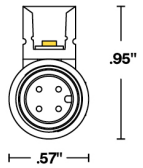
1 PRODUCT - DIMENSIONS



Profile
(Standard)



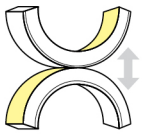
Profile
(Seamless bare wire)



Profile
(Seamless CON6-24)

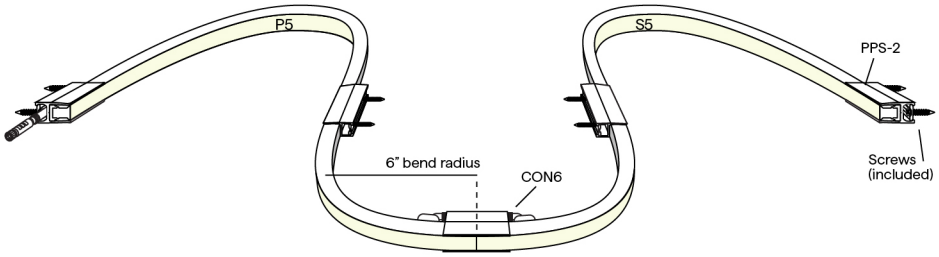
BEND RADIUS

Up/Down Bend



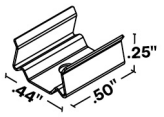
6" bending radius

FLEXIBILITY



2 MOUNTING

WSC

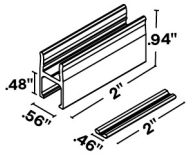


White Snug Clip
Indirect uplight

To order separately use WSC-02

Each clip comes with a #4x5/8" flat screw

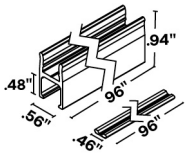
PPS-2



PVC Mounting Clip

To order separately use MICRO5-PPS2

PPS-96

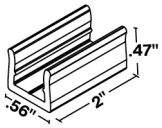


96" straight linear run

To order separately use MICRO5-PPS-96

Each clip comes with a #6" flat screw

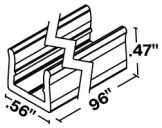
PPS-LP-2



Low profile PVC
Mounting Clip

To order separately use MICRO5-PPS-LP-2

PPS-LP-96



Low profile PVC channel
96" straight linear run

To order separately use MICRO5-PPS-LP-96

Each clip comes with a #6" flat screw

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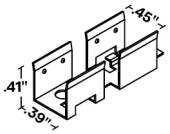
Q-CAP WAVE RGB

24VDC Flexible Fixtures

MOUNTING CONTINUED

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-SST-16', MICRO5-BN-UD-SST-32', MICRO5-BN-UD-WH-16', or MICRO5-BN-UD-WH-32'

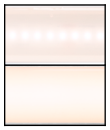
64 #4-40 1/2" screws provided per 16'

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

6 DIODE VISIBILITY

RGB

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

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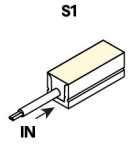
Q-CAP WAVE RGB

24VDC Flexible Fixtures

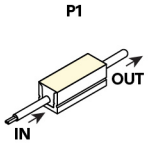
7 WIRE INPUT/OUTPUT

SINGLE (Input only)



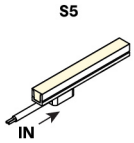
End Feed

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



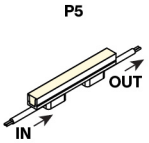
End Feed

SEAMLESS SINGLE (Input only)



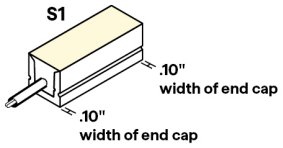
Seamless Feed

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

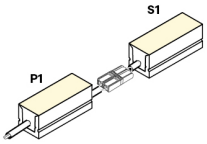


Seamless Feed

CONFIGURATION OPTIONS

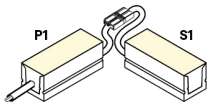


Single End Feed



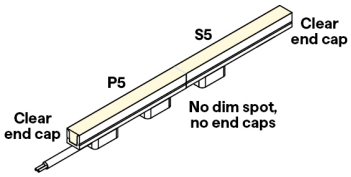
Connection by others

Non-Continuous End Feed

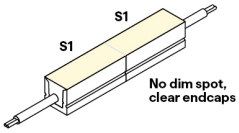


Connection by others

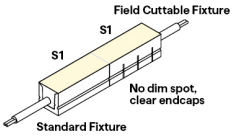
Non-Continuous Corner Feed



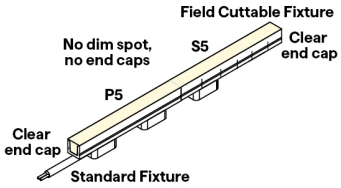
Seamless Bottom Feed



Continuous End to End Feed

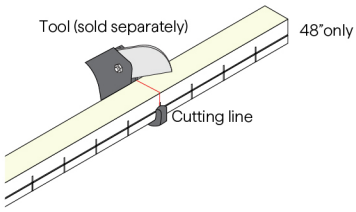


Field Cuttable - Continuous End to End Feed



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.

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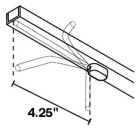
Q-CAP WAVE RGB

24VDC Flexible Fixtures

SEAMLESS

Shown with bare wire, connectors vary

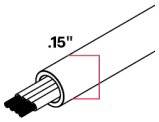


Omnidirectional wireways
S5, P5

8 / 9 CONNECTOR/WIRE – IN/OUT

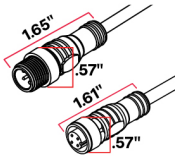
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out, and WH for End Caps

BW



Bare Wire 24"
22 AWG

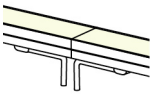
CON6/CON24



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

10 END CAPS (NO FEED)

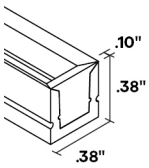
CL



Clear endcaps
.0" added at end

.00" dim spot

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



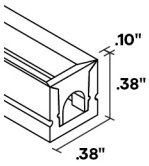
White endcaps
.0" added at end

.10" dim spot

END CAPS (WITH FEED)

End Feed

S1, P1

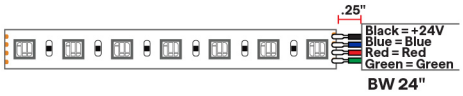


White endcaps
.0" added at end

.225" dim spot

11 LENGTH - WIRING DETAIL

Available in 2" increments 12"-191"

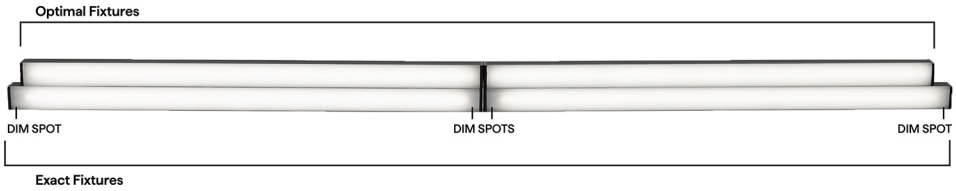


12 EXACT/OPTIMAL FIXTURE LENGTH

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.



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Q-CAP WAVE RGB

24VDC Flexible Fixtures

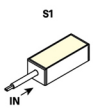
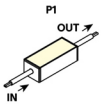
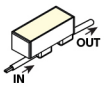
RGB LENGTHS BY INCH

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	P1	S5 & P5	
	 End Feed	 End Feed	Seamless Feed	 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"	

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

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Q-CAP WAVE RGB

24VDC Flexible Fixtures

COMPATIBLE MOUNTING ACCESSORIES

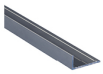
QUOVA-MICRO

QUOVA Knife Edge

NJ-MICRO

J Mounting Bracket

BL-MICRO



Backwards L Mounting Bracket

NL-MICRO

L Mounting Bracket

SD-L-MICRO

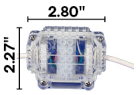
L Mounting Bracket

iQ-QCAP-UNV-CUTTER

QTL recommended FC Cutter

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP

Read and write DMX addresses and adjust voltage

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