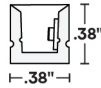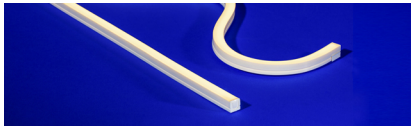# Q-CAP WALA FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

- Flexible encapsulated fixture
- Side bend
- 6" bend radius
- Interior and exterior rated (not including FC)
- Four different mounting options
- Available in seamless configurations for a continuous line of light
- Utilize clear end caps for continuous runs
- 60% smaller than QTL's ZALA fixture
- When using DALI and DMX power supplies, LED wattage must be doubled
- Do not cut Non-Field Cuttable Q-CAP flexible fixtures

.38" / .38"

① PRODUCT	② MOUNTING	③ RATED	④ CCT	⑤ WATTAGE	⑥ LENS	⑦ WIRE INPUT/ OUTPUT	⑧ CONNECTOR/ WIRE IN	⑨ CONNECTOR/ WIRE OUT	⑩ END CAPS	⑪ LENGTH
				2.0				N/A		48"

Sample Part Number: **WALA-DW-WSC-DRY-24/30-2.0-ENC/TL-P1-BW-BW-N/A-48"-E**

① PRODUCT

WALA-DW
WALA-DW-USA

Select USA option for BA, BAA and BABA projects.

LED engine is built with 3 wires requiring 0-10v, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See last page for compatible power supplies.

② 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-SB-SST-16'	16' BENDIT Side Stainless Steel Channel
BN-SB-SST-32'	32' BENDIT Side Stainless Steel Channel
BN-SB-WH-16'	16' BENDIT Side White Channel
BN-SB-WH-32'	32' BENDIT Side White Channel

White snug clip only for indirect cove use, not intended for hanging fixtures upside down.

PPS mounting clip recommended for seamless applications

③ RATED

DRY	IP20
WET	IP67

④ CCT

24/30	2400K/3000K
27/40	2700K/4000K

⑤ WATTAGE

2.0	2.0W-SO

SO: Standard Output

⑥ LENS

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

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

⑦ WIRE INPUT/OUTPUT

S1	Single 1 (Input only) - End Feed
S5	Single 5 (Input only) - Seamless Feed
S6	Single 6 (Input only) - Seamless Feed

⑧ 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)

⑨ CONNECTOR/WIRE OUT

N/A	Closed End (No feed)

⑩ END CAPS

CL	Clear
WH	White

⑪ LENGTH

48"	Optimal

Minimum length is 12", maximum length is 191" not including end caps. Contact us for lengths under 12". Available in 2" increments.
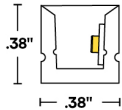
Q-CAP WALA FOR TUNABLE APPLICATIONS
24VDC Flexible Fixtures

1 PRODUCT - DIMENSIONS

.38"
.38"
Profile
(Standard)
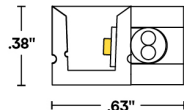
.38"
.63"
Profile
(Seamless bare wire)
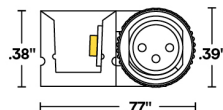
.38"
.39"
.77"
Profile
(Seamless CON6-24)

BEND RADIUS

Side Bend
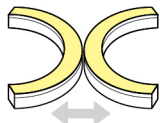
6" bending radius

FLEXIBILITY

P5
S5
6" bend radius
CON6
PPS-2
Screws
(included)

2 MOUNTING
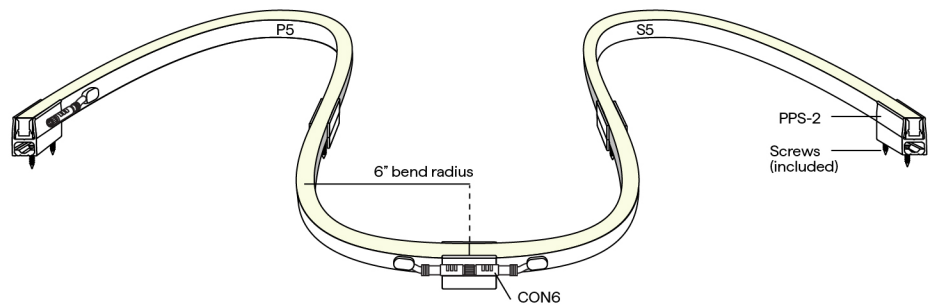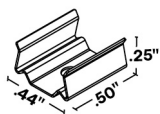
WSC	PPS-2	PPS-96	PPS-LP-2	PPS-LP-96
.25" .44" .50"	.94" .48" .56" 2" .46" 2"	.94" .48" .56" 96" .46" 96"	.47" .56" 2"	.47" .56" 96"
White Snug Clip Indirect uplight	PVC Mounting Clip	96" straight linear run	Low profile PVC Mounting Clip	Low profile PVC channel 96" straight linear run
To order separately 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-SB

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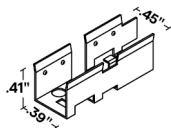
BENDIT Channel
Horizontal Stainless Steel
Flexible Channel

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

To order separately use either MICRO5-BN-SB-SST-16', MICRO5-BN-SB-SST-32', MICRO5-BN-SB-WH-16', or MICRO5-BN-SB-WH-32'
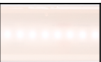
64 #4-40 1/2" screws provided per 16'

④ / ⑤ DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with WALA-DW-WSC-DRY

| CCT | 2.0W/FT Total Load | | | | Circuit Wattage |
| | ENC/CL | | ENC/TL | | |
	LM	CRI	LM	CRI	
2400K	130	93	118	93	1.90
2700K	133	94	124	92	1.90
3000K	130	95	118	96	1.90
3500K	139	98	127	98	1.90
4000K	46	97	53	98	122

⑥ DIODE VISIBILITY

ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

| | DW 2.0 W/FT | | DW 4.0 W/FT | |
| | QTL power supply other than DALI, DMX | | DALI, DMX, or non-QTL power supply | |
	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	135°F	-4°F	110°F
Storage Temp	-4°F	140°F	-4°F	140°F
Install Temp	50°F	100°F	50°F	100°F

BUG RATING

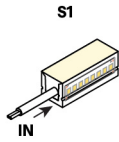| WATTAGE	B	U	G
4.0 (ALL CCTs)	B0	U1	G0

Q-CAP WALA FOR TUNABLE APPLICATIONS
24VDC Flexible Fixtures

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1
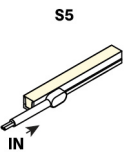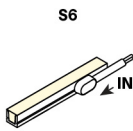
IN

End Feed

PASS THROUGH (Input/Output)

P1

IN OUT
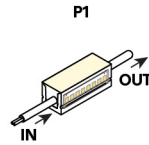
End Feed

SEAMLESS SINGLE (Input only)

S5 IN — Seamless Feed
S6 IN — Seamless Feed

SEAMLESS PASS THROUGH (Input/Output)
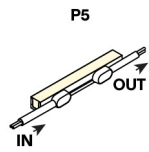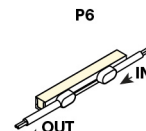
P5 IN OUT — Seamless Feed
P6 IN OUT — Seamless Feed

CONFIGURATION OPTIONS

S1 — .10" width of end cap / .10" width of end cap — Single End Feed
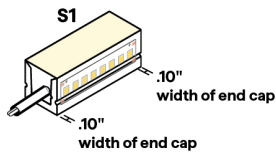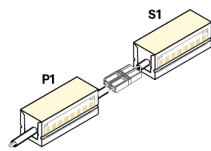
S1 / P1 — Connection by others — Non-Continuous End Feed
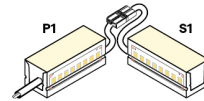
P1 / S1 — Connection by others — Non-Continuous Corner Feed

S5 / P5 — Clear end cap / Clear end cap / No dim spot, no end caps — Seamless Side Feed

S1 / S1 — No dim spot, clear endcaps — Continuous End to End Feed
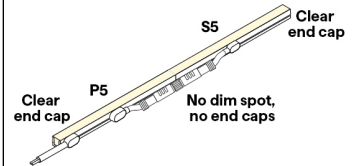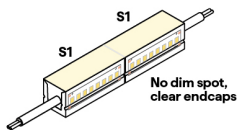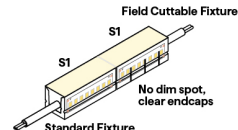
S1 / S1 — Field Cuttable Fixture / Standard Fixture / No dim spot, clear endcaps — Field Cuttable - Continuous End to End Feed
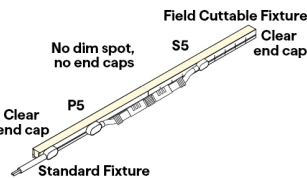
S5 / P5 — Field Cuttable Fixture / Clear end cap / No dim spot, no end caps / Standard Fixture — Field Cuttable - Seamless Side Feed

FIELD CUTTABLE MARKING

Tool (sold separately)

48"only

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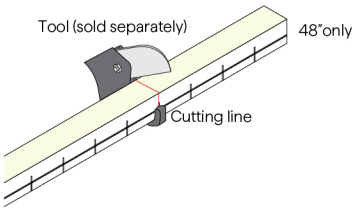
Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment

4'

16'
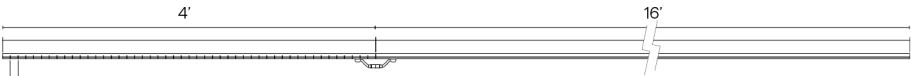
Note: Only FC fixtures are field cuttable — Do not attempt to cut non FC fixtures.
Cut only on the marked cut lines. Only cut from non-feed end. Do not attempt to cut while power is on.

SEAMLESS

Shown with bare wire, connectors vary

4.25"

Omnidirectional
wireways
S5, S6, P5, P6

8 / 9 CONNECTOR/WIRE – IN/OUT

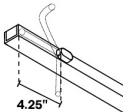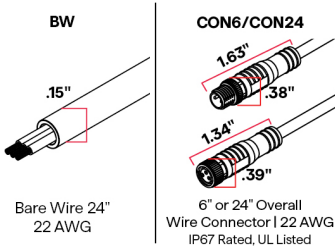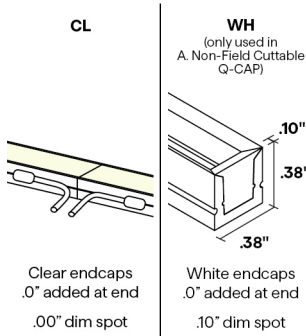Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out, and WH for End Caps

BW	CON6/CON24
.15"	1.63" .38"
	1.34" .39"
Bare Wire 24" 22 AWG	6" or 24" Overall Wire Connector | 22 AWG IP67 Rated, UL Listed

10 END CAPS (NO FEED)

CL

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

.10"

.38"

.38"

Clear endcaps
.0" added at end

.00" dim spot

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
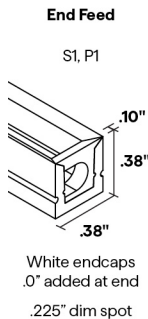
11 LENGTH - WIRING DETAIL

Available in 2" increments 12"-191"

.25"

Black=+24V
Red = WW
Blue = CW

BW 24"

12 EXACT/OPTIMAL FIXTURE LENGTH

Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT
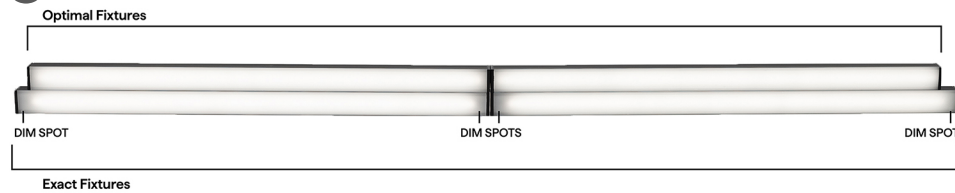
Exact Fixtures

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.

DW 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 & 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"

COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

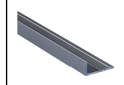| DIM TO LEVEL	INDOOR	OUTDOOR
	MICRO 5-DW Tunable Applications	MICRO 5-DW Tunable Applications
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+TW QTM-eLED+TW-AWN	Q-SET-QZ-DMX QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+TW
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle	
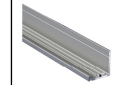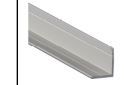
DIMMING PROTOCOL	INDOOR	OUTDOOR
	MICRO 5-DW Tunable Applications	MICRO 5-DW Tunable Applications
0-10V	QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN	QOM-eLED+TW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN	
DMX LED wattage must be doubled for DW-HE products		Q-SET-QZ-DMX
DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6	QOM-eLED+DALI-DT6
DALI-2: DT8 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with TW App Dongle	

COMPATIBLE MOUNTING ACCESSORIES

Q-ANGLE	QUOVA-MICRO	NJ-MICRO	BL-MICRO	NL-MICRO	SD-L-MICRO	iQ-QCAP-UNV-CUTTER
2.23" 1.38" Adjustable mounting accessory	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

Read and write DMX addresses and adjust voltage