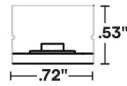# Q-CAP LUME-01 FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

- Flexible encapsulated fixture
- Three-sided illumination
- Up/down bend
- 6" bend radius
- Interior and exterior rated (not including FC)
- Three different mounting options
- When using DALI and DMX power supplies, LED wattage must be doubled
- Do not cut Non-Field Cuttable Q-CAP flexible fixtures

.53"
.72"

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
					ENC/TL	S1		N/A	TL	48"

Sample Part Number: **LUME-01-DW-HE-MC-DRY-24/30-1.5HE-ENC/TL-P1-BW-BW-N/A-48"-E**

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① PRODUCT

LUME-01-DW
LUME-01-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

MC	Magnetic Clip
PPS-LP-CL-2	Clear PVC Clip
PPS-LP-CL-96	Clear PVC Channel
WSC	White Snug Clip

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

③ RATED

DRY	IP20
WET	IP67

④ CCT

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

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⑤ WATTAGE

1.5HE	1.5WHE-SO
2.5HE	2.5WHE-HO

SO: Standard Output
HO: High Output

⑥ LENS

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

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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

TL	Translucent

⑪ LENGTH

48"	Optimal

Minimum length is 12", maximum length is 191" not including end caps. Contact us for lengths under 12".
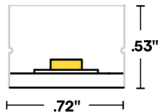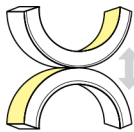Available in 2" increments.

---

① PRODUCT - DIMENSIONS

.53"
.72"

Profile
(Standard)

BEND RADIUS

Up/Down Bend

6" bending radius

FLEXIBILITY

S1

PPS-LP-CL-2

Screws
(included)

CON6

6" bend radius

S1

CON6

② MOUNTING
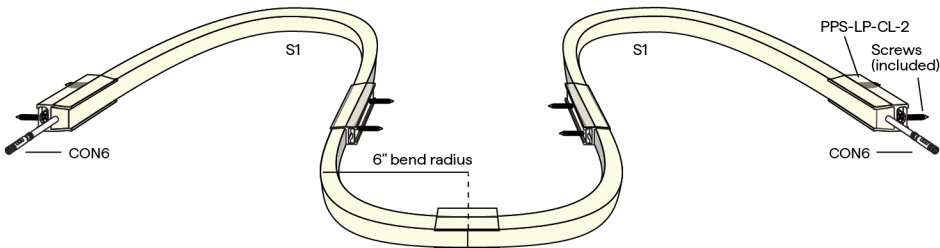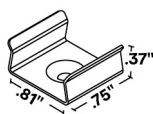
WSC	MC	PPS-LP-CL-2	PPS-LP-CL-96
.37" .81" .75"	.27" .77" .51" .12"	.81" .21" .86" 2.0" .69" 2.0"	.81" .21" .96" .86" .96" .69" .96"
White Snug Clip Indirect uplight	Magnetic Clip Cove use only	Low profile PC Mounting Clip - Clear finish	Low profile PC channel 96" straight linear run Clear finish
To order separately use WSC	To order separately use MC	To order separately use LUME-PPS-LP-CL-2	To order separately use LUME-PPS-LP-CL-96
Each clip comes with a #6x5/8" flat screw	Each clip comes with a #6x5/8" flat screw		Each clip comes with a #8" flat screw
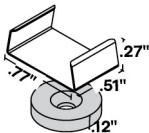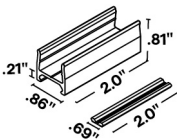
④ / ⑤ DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with LUME-01-DW-WSC-DRY

CCT	1.5HE W/FT		2.5HE W/FT	
	ENC/TL		ENC/TL	
	LM	CRI	LM	CRI
2400K	90	93	121	92
2700K	64	97	133	97
3000K	**	**	**	**
4000K	**	**	**	**

⑥ DIODE VISIBILITY

ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

	DW 1.5 HE W/FT		DW 3.0 HE W/FT		DW 2.5 HE W/FT		DW 5.0 HE W/FT	
	QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply		QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply	
	Min	Max	Min	Max	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	140°F	-4°F	125°F	-4°F	125°F	-4°F	100°F
Storage Temp	-4°F	140°F	**	**	-4°F	140°F	**	**
Installation Temp	50°F	100°F	**	**	50°F	100°F	**	**

BUG RATING

WATTAGE	B	U	G
1.5HE (ALL CCTs), 2.5HE (ALL CCTs)	B0	U1	G0

7 WIRE INPUT/OUTPUT

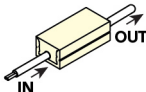SINGLE (Input only)

S1

IN
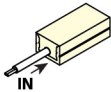
End Feed

PASS THROUGH (Input/Output)
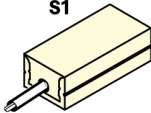
P1

OUT
IN

End Feed
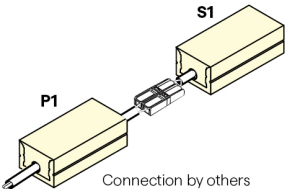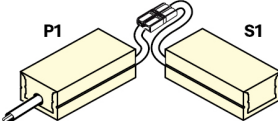
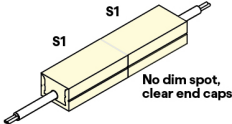## CONFIGURATION OPTIONS

Single End Feed

Non-Continuous End Feed
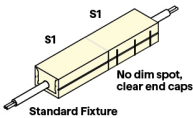Connection by others

Non-Continuous Corner Feed
Connection by others

Continuous End to End Feed
No dim spot, clear end caps

Field Cuttable - Continuous End to End Feed
Field Cuttable Fixture
Standard Fixture
No dim spot, clear end caps

FIELD CUTTABLE MARKING
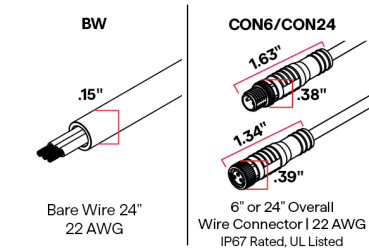
Tool (sold separately)

48"only

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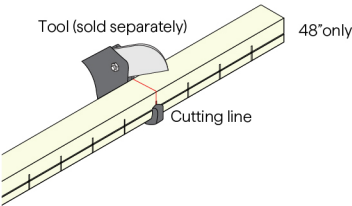
Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment

4'

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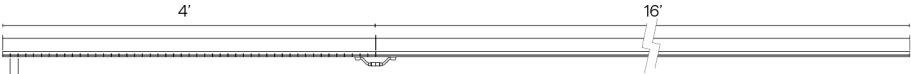
Note: Only FC fixtures are field cuttable — Do not attempt to cut non FC fixtures.
Cut only on the marked cut lines. Only cut from non-feed end. Do not attempt to cut while power is on.

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

1.63"
.38"

1.34"
.39"

6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

10 END CAPS (NO FEED)

TL
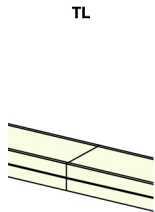
Translucent endcaps
.0" added at end

.00" dim spot

11 LENGTH - WIRING DETAIL

Available in 2" increments 12"-191"

.25"

Black=+24V
Blue = CW
Red = WW

BW 24"

12 EXACT/OPTIMAL FIXTURE LENGTH

Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT

Exact Fixtures

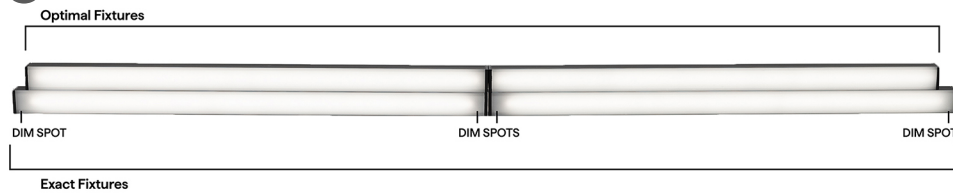Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture 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)
12"	10.58"	10.95"
13"	12.58"	12.95"
14"	12.58"	12.95"
15"	14.58"	14.95"
16"	14.58"	14.95"
17"	16.58"	16.95"
18"	16.58"	16.95"
19"	18.58"	18.95"
20"	18.58"	18.95"
21"	20.58"	20.95"
22"	20.58"	20.95"
23"	22.58"	22.95"
24"	22.58"	22.95"
36"	34.58"	34.95"
48"	46.58"	46.95"
60"	58.58"	58.95"
72"	70.58"	70.95"
84"	82.58"	82.95"
96"	94.58"	94.95"

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
	DW-HE Tunable Applications	DW-HE 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 QZ-DMX	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 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle	

Q-CAP LUME-01 FOR TUNABLE APPLICATIONS
24VDC Flexible Fixtures

DIMMING PROTOCOL	INDOOR	OUTDOOR
	DW-HE Tunable Applications	DW-HE 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	QZ-DMX	Q-SET-QZ-DMX 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

2.23"

1.38"

Adjustable mounting
accessory

iQ-QCAP-UNV-CUTTER

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