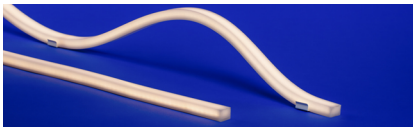
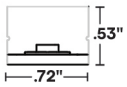
# Q-CAP LUME-01 FOR TUNABLE APPLICATIONS

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

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ENC/TL | | | | TL | | |

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

### A1 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.

### A2 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.

### A3 RATED

| | |
|---|---|
| **DRY** | IP20 |
| **WET** | IP67 |

### A4 CCT

| | |
|---|---|
| **24/30** | 2400K/3000K |
| **27/40** | 2700K/4000K |

### A5 WATTAGE

| | |
|---|---|
| **1.5HE** | 1.5WHE-SO |
| **2.5HE** | 2.5WHE-HO |

SO: Standard Output
HO: High Output

### A6 LENS

**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

**P1** Pass Through 1 (Input/Output) - End 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 | **TL** | Translucent |
| 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.

Warranty only valid with QTL power supplies | 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 | Field Cuttable is not returnable or refundable after it has been cut

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# Q-CAP LUME-01 FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

## B. FIELD CUTTABLE Q-CAP

| B1 PRODUCT | B2 MOUNTING | B3 RATED | B4 CCT | B5 WATTAGE | B6 LENS | B7 WIRE INPUT/ OUTPUT | B8 CONNECTOR/ WIRE IN | B9 CONNECTOR/ WIRE OUT | B10 END CAPS | B11 LENGTH (IN) | B12 EXACT/ OPTIMAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LUME-01-FC-DW | | DRY | | | ENC/TL | S1 | | N/A | TL | 48” | N/A |

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

### B1 PRODUCT

**LUME-01-FC-DW**

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.

### B2 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.

### B3 RATED

**DRY** IP20

### B4 CCT

| | |
|---|---|
| **24/30** | 2400K/3000K |
| **27/40** | 2700K/4000K |

### B5 WATTAGE

| | |
|---|---|
| **1.5HE** | 1.5WHE-SO |
| **2.5HE** | 2.5WHE-HO |

SO: Standard Output
HO: High Output

### B6 LENS

**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

### 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

Single

**TL** Translucent

### B11 LENGTH (IN)

**48”** Nominal

Starting Run length is 48.475" for S1
Each cut point subtracts from the Starting Run Length
1.5HE & 2.5HE have a 2" cut point
S1 can be cut down to as little as 2.475"

### B12 EXACT/OPTIMAL

**N/A**

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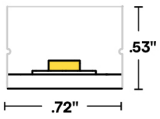
# Q-CAP LUME-01 FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

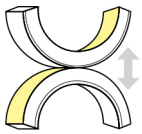
## 1 PRODUCT - DIMENSIONS




Profile
(Standard)

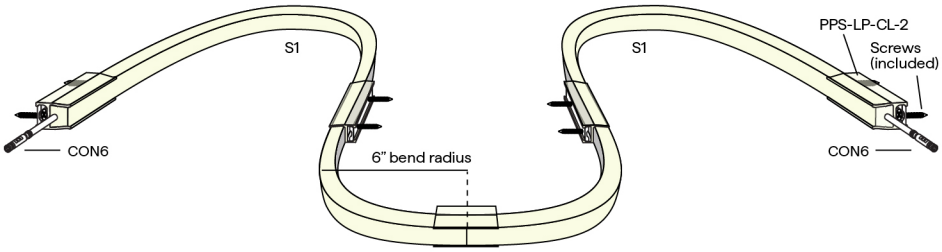
## BEND RADIUS

**Up/Down Bend**



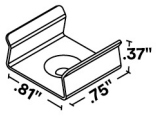
6" bending radius

## FLEXIBILITY




## 2 MOUNTING

**WSC**

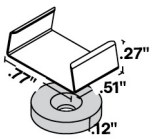



White Snug Clip
Indirect uplight

To order separately use WSC

Each clip comes with a #6x5/8" flat screw

**MC**

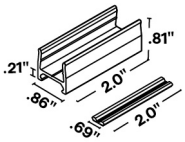



Magnetic Clip
Cove use only

To order separately use MC

Each clip comes with a #6x5/8" flat screw

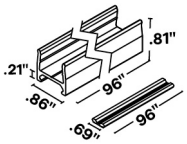
**PPS-LP-CL-2**




Low profile PC Mounting
Clip - Clear finish

To order separately use LUME-PPS-LP-CL-2

**PPS-LP-CL-96**




Low profile PC channel
96" straight linear run
Clear finish

To order separately use LUME-PPS-LP-CL-96

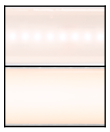
Each clip comes with a #8" flat screw

## 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

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# Q-CAP LUME-01 FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

## TEMPERATURE RATINGS

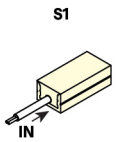
| | DW 1.5 HE W/FT | | DW 3.0 HE W/FT | | DW 2.5 HE W/FT | | DW 5.0 HE W/FT | |
|---|---|---|---|---|---|---|---|---|
| | QTL power supply other than DALI, DMX | | DALI, DMX, or non-QTL power supply | | QTL power supply other than DALI, DMX | | DALI, DMX, or non-QTL power supply | |
| | Min | Max | Min | 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 |

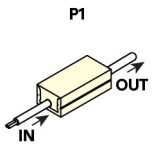
## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



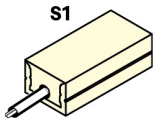

End Feed

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

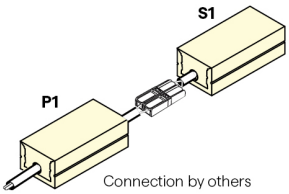



End Feed

## CONFIGURATION OPTIONS

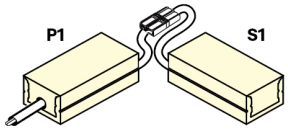



Single End Feed



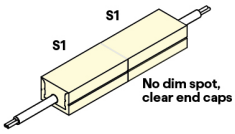

Connection by others

Non-Continuous End Feed

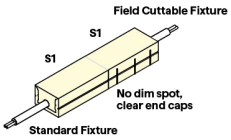



Connection by others

Non-Continuous Corner Feed




Continuous End to End Feed




Field Cuttable - Continuous End to End Feed

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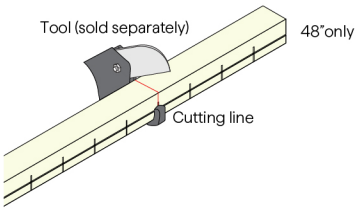
# Q-CAP LUME-01 FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

## FIELD CUTTABLE MARKING

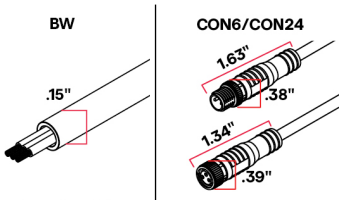



Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment

**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



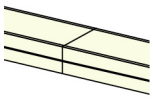

Bare Wire 24"
22 AWG




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

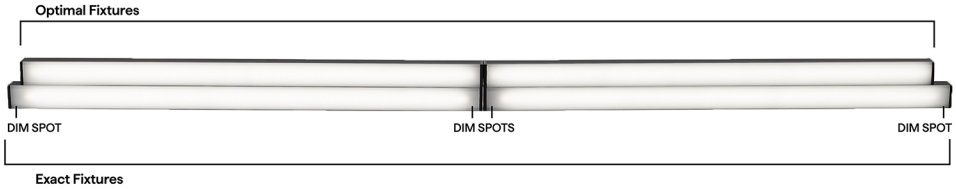
## 11 LENGTH - WIRING DETAIL

Available in 2" increments 12"-191"

## 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 LUME-01 FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

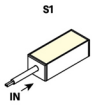
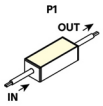
## DW LENGTHS BY INCH

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<br>QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DALI-DT8-AWN<br>QT-CAB-eLED+TW<br>QT-CAB-eLED+TW-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+TW<br>QTM-eLED+TW-AWN<br>QZ-DMX | Q-SET-QZ-DMX<br>QOM-eLED+DALI-DT6<br>QOM-eLED+DALI-DT8<br>QOM-eLED+PS-DALI-DT6<br>QOM-eLED+PS-DALI-DT8<br>QOM-eLED+TW<br>QZ-DMX |
| 1% | QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8<br>QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with TW App Dongle | |

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# 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<br>QT-CAB-eLED+TW-AWN<br>QTM-eLED+TW<br>QTM-eLED+TW-AWN | QOM-eLED+TW |
| **Lutron Athena** | QT-CAB-eLED+DALI-DT8-AWN<br>QT-CAB-eLED+TW-AWN<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+TW-AWN | |
| **DMX**<br>LED wattage must be doubled for DW-HE products | QZ-DMX | Q-SET-QZ-DMX<br>QZ-DMX |
| **DALI-2: DT6**<br>LED wattage must be doubled for DW-HE products except for AWN | QT-CAB-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6 | QOM-eLED+DALI-DT6 |
| **DALI-2: DT8**<br>LED wattage must be doubled for DW-HE products except for AWN | QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DALI-DT8-AWN<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8-AWN<br>QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8<br>QOM-eLED+DALI-DT8<br>QZ-DALI-DT8 |
| **SCENE App Dimmed** | Non-Dim Power Supply with TW App Dongle | |

## COMPATIBLE MOUNTING ACCESSORIES

**Q-ANGLE**

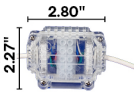
Adjustable mounting accessory

**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

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# Q-CAP LUME-01 FOR TUNABLE APPLICATIONS

24VDC Flexible Fixtures

## COMPATIBLE APPS

**NFC APP**

Q-NFC

Read and write DMX addresses and adjust voltage

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