# VERS-FLUSH (02) STATIC COLOR
## 24VDC Linear Fixtures - Surface & Recessed

white optics | cULus LISTED | RoHS COMPLIANT | EPD ENVIRONMENTAL PRODUCT DECLARATION | 5 YEAR WARRANTY | Certified with Red & Amber

Declare. | Red List Approved

102°- 115°

- Features a co-extruded lens with an internal reflector, maximizing light delivery for improved brightness.
- The fixture's flat lens sits flush, showcasing the versatile fixture's exceptional light performance in any indoor environment.
- Features integrated metal endcaps
- Mounting options include a concealed or magnetic clip
- With an internal White Optics coating, the fixture achieves greater lumen output
- Durable anodized aluminum housings
- QTL Red & Amber LED products are FWC certified, making them safe for turtles and other wildlife
- Consult factory for field assembly options
- Optional external louver accessory available in white or black for added glare control

## INFORMATION REQUIRED FOR LIGHTING SCHEDULE

| ① PRODUCT | ② WATTS/ FT | ③ CCT | ④ RATED | ⑤ LENS | ⑥ EXTERNAL LOUVER |
|---|---|---|---|---|---|
| VERS-02-SC | 5.0 | | DRY | | |

## ADDITIONAL INFORMATION REQUIRED TO ORDER

| ⑦ WIRE INPUT/ OUTPUT | ⑧ CONNECTOR/ WIRE IN | ⑨ CONNECTOR/ WIRE OUT | ⑩ WIRE COLOR | ⑪ WIRE TYPE | ⑫ MOUNTING | ⑬ FINISH | ⑭ LENGTH (IN) | ⑮ EXACT/ OPTIMAL |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

Sample Part Number: **VERS-02-SC-5.0-G-DRY-DF-L1-BK-P1-BW-BW-BK-CL2-CC-BK-48"-E**

### ① PRODUCT
**VERS-02-SC**

See following pages for compatible power supplies.

### ② WATTS/FT
**5.0**   5.0W/ft

### ③ CCT
**A**   Amber
**B**   Blue
**G**   Green
**R**   Red

### ④ RATED
**DRY**   IP20

### ⑤ LENS
**DF**   Diffused
**PR**   Polar

For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages

### ⑥ EXTERNAL LOUVER
**L1-WH**   White Plastic
**L1-BK**   Black Plastic
**L2-ST**   Satin Anodized Aluminum
**L2-BK**   Black Anodized Aluminum
**L2-WH**   White Powder Coated Aluminum
**N/A**   No Louver

Plastic Louvers come in 12" lengths, multiple pieces will be used to match fixture length. Aluminum louvers come in maximum 98" lengths and will be cut to match fixture length. White and custom painted finishes are not compatible with L2 external louvers.

### ⑦ WIRE INPUT/OUTPUT
**SINGLE (Input only)**
**S1**   End Feed
**S2**   Bottom Feed

When using TBC Mounting, a bare wire S2 wire feed is recommended. See install instructions for details.

**PASS THROUGH (Input/output)**
**P1**   End Feed
**P2**   Bottom Feed

When using TBC Mounting, a bare wire P2 wire feed is recommended. See install instructions for details.

### ⑧ CONNECTOR/WIRE IN
**BW**   Bare Wire (Standard 36")
**CON6**   Connector 6"
**CON24**   Connector 24"

BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

**BW**   Bare Wire (Standard 36")
**CON6**   Connector 6"
**CON24**   Connector 24"

BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

### ⑨ CONNECTOR/WIRE OUT
**CLS**   Closed End (No feed)

**BW**   Bare Wire (Standard 36")
**CON6**   Connector 6"
**CON24**   Connector 24"

BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

### ⑩ WIRE COLOR
**WH**   White
**BK**   Black

### ⑪ WIRE TYPE
**CL2**   Class 2
**CL2P**   Plenum Rated

CL2P only available with bare wire leads (BW)

### ⑫ MOUNTING
**CC**   Concealed Clip
**MG**   Magnet
**TBC-03**   9/16" Flat TB-Grid
**TBC-04**   15/16" Flat or Tegular TB-Grid
**TBC-05**   9/16" Tegular TB-Grid or 9/16" Flat TB-Grid, with External Louver
**TBC-06**   9/16" Tegular TB-Grid, with External Louver
**TBC-07**   15/16" Flat TB-Grid, with External Louver
**TBC-08**   15/16" Tegular TB-Grid, with External Louver

### ⑬ FINISH
**ST**   Satin
**BK**   Black
**BZ**   Bronze
**WH**   White
**CU**   Custom

White and custom painted finishes are not compatible with external louvers.
Custom finishes require a longer lead time, consult factory.

### ⑭ LENGTH (IN)
Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".

### ⑮ EXACT/OPTIMAL
**O**   Optimal Illumination
**E**   Exact Specified Length

Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end. See Exact/Optimal Fixture Length charts.
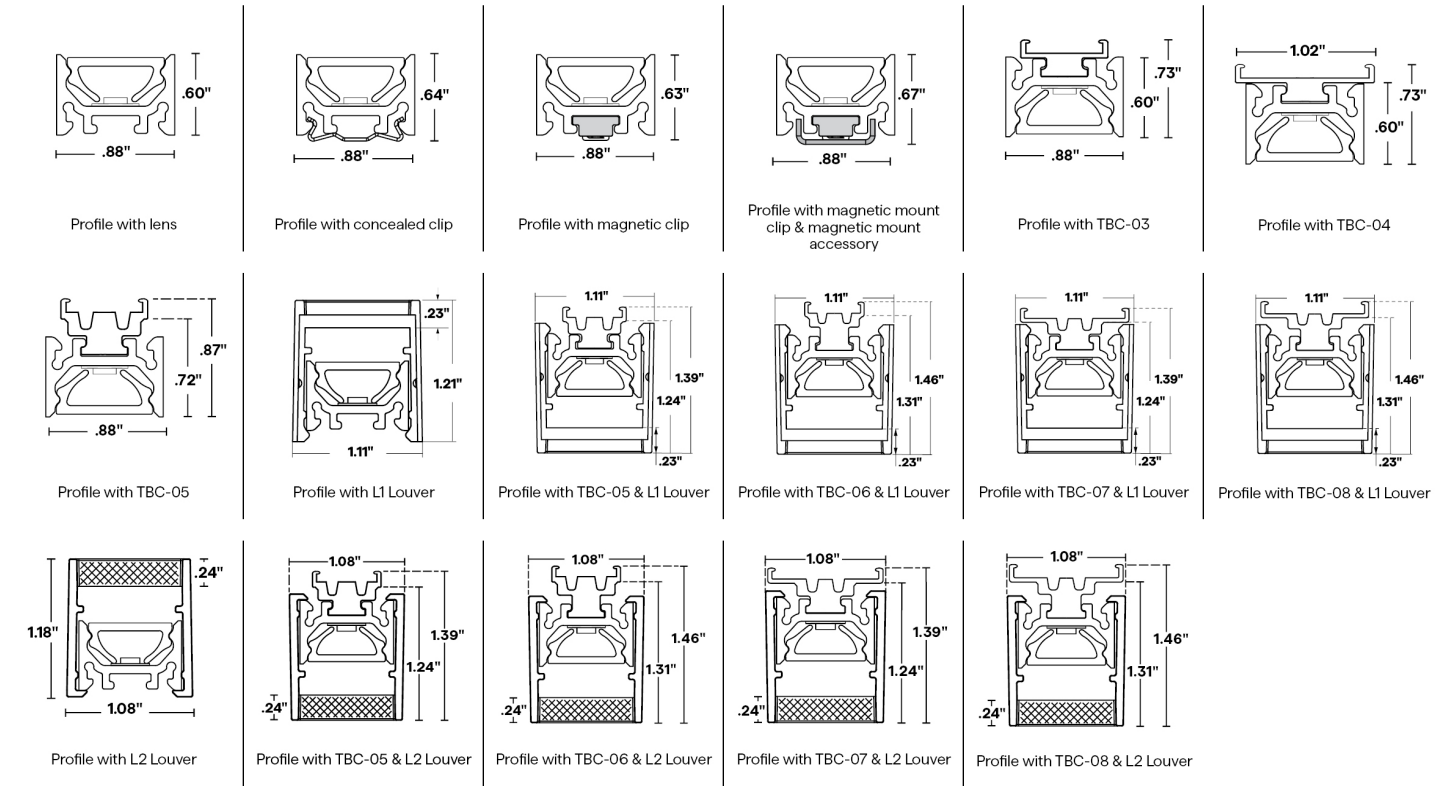
# VERS-FLUSH (02) STATIC COLOR
24VDC Linear Fixtures - Surface & Recessed

## 1 PRODUCT - DIMENSIONS

| | | | |
|---|---|---|---|
| .60" / .88" — Profile with lens | .64" / .88" — Profile with concealed clip | .63" / .88" — Profile with magnetic clip | .67" / .88" — Profile with magnetic mount clip & magnetic mount accessory |
| .73" / .60" / .88" — Profile with TBC-03 | 1.02" / .73" / .60" — Profile with TBC-04 | | |

| | | | |
|---|---|---|---|
| .87" / .72" / .88" — Profile with TBC-05 | .23" / 1.21" / 1.11" — Profile with L1 Louver | 1.11" / 1.39" / 1.24" / .23" — Profile with TBC-05 & L1 Louver | 1.11" / 1.46" / 1.31" / .23" — Profile with TBC-06 & L1 Louver |
| 1.11" / 1.39" / 1.24" / .23" — Profile with TBC-07 & L1 Louver | 1.11" / 1.46" / 1.31" / .23" — Profile with TBC-08 & L1 Louver | | |

| | | | |
|---|---|---|---|
| .24" / 1.18" / 1.08" — Profile with L2 Louver | 1.08" / 1.39" / 1.24" / .24" — Profile with TBC-05 & L2 Louver | 1.08" / 1.46" / 1.31" / .24" — Profile with TBC-06 & L2 Louver | 1.08" / 1.39" / 1.24" / .24" — Profile with TBC-07 & L2 Louver |
| 1.08" / 1.46" / 1.31" / .24" — Profile with TBC-08 & L2 Louver | | | |

## 2 DELIVERED LUMENS

[Calculated L70 = 50000 hrs]
Tested with VERS-02-SC-5.0-**-DRY

| | Red | | Green | | Blue | | Amber | |
|---|---|---|---|---|---|---|---|---|
| | LM/FT | Wavelength | LM/FT | Wavelength | LM/FT | Wavelength | LM/FT | Wavelength |
| PR | 120 | 634 | 561 | 519 | 127 | 467 | 88 | 595 |
| DF | 114 | 634 | 530 | 519 | 119 | 467 | 83 | 595 |

## 5 DIODE VISIBILITY

DF - Diffused lens

PR - Polar lens
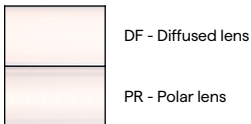
## PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.

5W/ft | Green          Polar lens
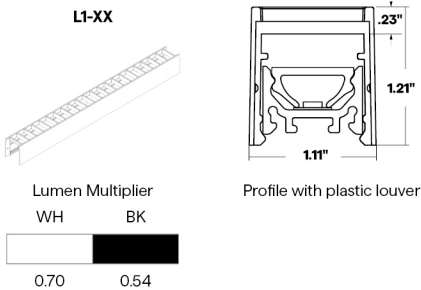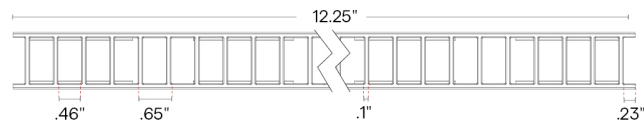
106.8°
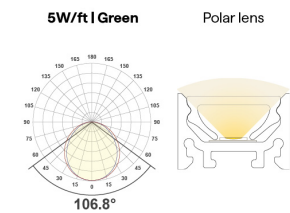
## TEMPERATURE RATINGS

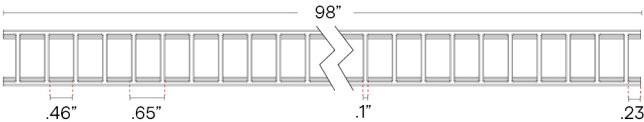| | | 5.0 W/FT | |
|---|---|---|---|
| | | Min | Max |
| DRY | Ambient Operating Temp - Surface | -4°F | 125°F |

## 6 EXTERNAL LOUVER

**PLASTIC**
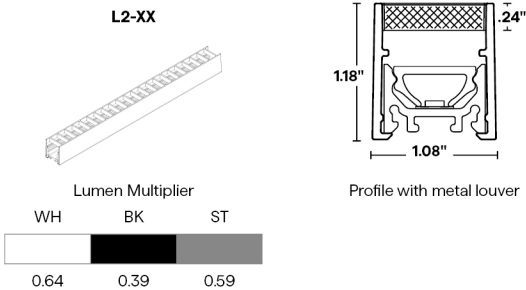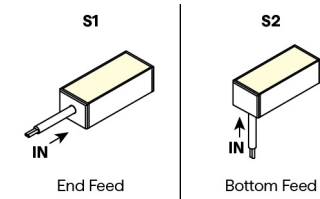
12.25"

.46"  .65"  .1"  .23"

**L1-XX**

.23"

1.21"

1.11"

Lumen Multiplier

| WH | BK |
|---|---|
| 0.70 | 0.54 |

Profile with plastic louver

**METAL**

98"

.46"  .65"  .1"  .23"

**L2-XX**

.24"

1.18"

1.08"

Lumen Multiplier

| WH | BK | ST |
|---|---|---|
| 0.64 | 0.39 | 0.59 |

Profile with metal louver

## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)

**S1**

IN

End Feed

**S2**

IN

Bottom Feed

PASS THROUGH (Input/Output)

**P1**

OUT

IN

End Feed

**P2**

OUT

IN
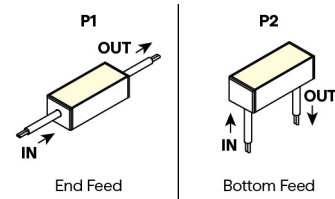
Bottom Feed

## CONFIGURATION OPTIONS



S1
.08" width of end cap
.08" 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

.16" width of end caps
S2
P2
Continuous Bottom Feed

S1
S1
.16" width of end caps
Continuous End to End Feed
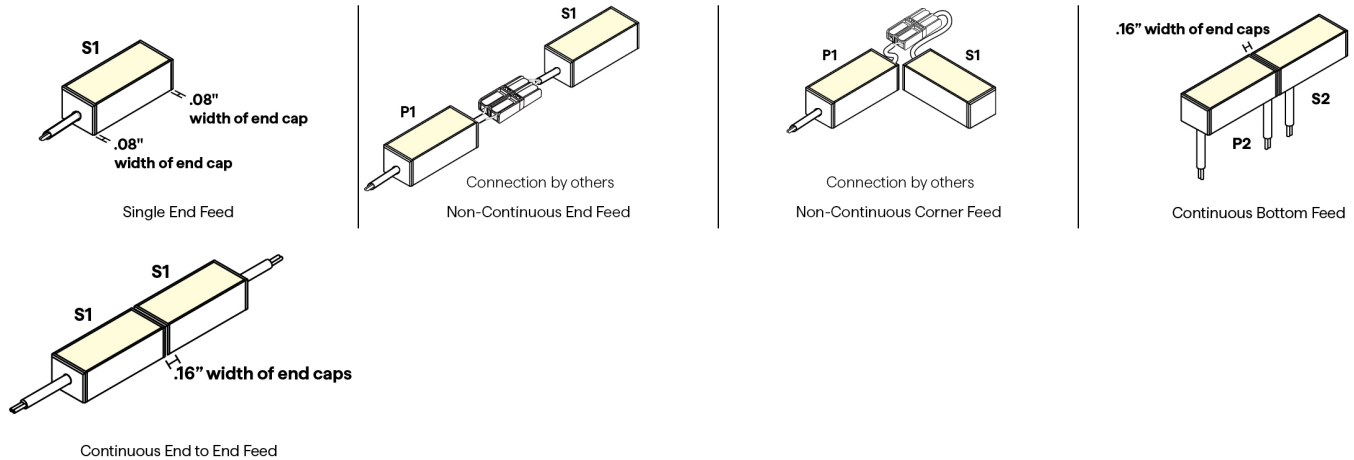
## 8 / 9 CONNECTOR/WIRE – IN/OUT

Connector/Wire In or Out not needed to specify product.

**BW**
.15"
Bare Wire 36"
22 AWG

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

## 10 WIRE COLOR

White

Black

## 12 MOUNTING

**CC**
(CC-01)
.18"
.7"
1.25"
Concealed Clip

2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'

To order separately use CC-01

Each clips comes with a #4 x 5/8" Flat Head screw.

**CC**
(CC-02)
.21"
.7"
1.25"
Louver Concealed Clip
Required if L1 or L2 Louver is selected

2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'

To order separately use CC-02

Each clips comes with a #4 x 5/8" Flat Head screw.

**MG**
.15"
3.13"
.35"
Magnet Clip

One MG provided per foot

To order separately use MG-02

**MMA-02**
1.86"
.64"
12"
.58"
Magnet Mount
Accessory for MG-02

Sold separately, to order use MMA-02

Each clip comes with a #6 Flat Screw

Required when mounting to a non-magnetic surface

**TBC-03**
.64"
.50"
.27"
Plastic T-Bar Clip

Use on 9/16" Flat Drop Ceiling

2 clips provided for first 12"; 1 clip provided for each additional 12" or less length

To order separately use TBC-03

Each pair of clips comes with M2.5 x 4mm set screw and Allen key

# MOUNTING CONTINUED
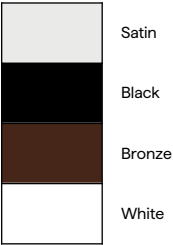
| TBC-04 | TBC-05 | TBC-06 | TBC-07 | TBC-08 |
|---|---|---|---|---|
| Plastic T-Bar Clip | Plastic T-Bar Clip | Plastic T-Bar Clip | Plastic T-Bar Clip | Plastic T-Bar Clip |
| Use on 15/16" Flat or Tegular Drop Ceiling | Use on 9/16" Tegular Drop Ceiling or with Louver on 9/16" Flat Drop Ceiling | Use with Louver on 9/16" Tegular Drop Ceiling | Use with Louver on 15/16" Flat Drop Ceiling | Use with Louver on 15/16" Tegular Drop Ceiling |
| 2 clips provided for first 12"; 1 clip provided for each additional 12" or less length | 2 clips provided for first 12"; 1 clip provided for each additional 12" or less length | 2 clips provided for first 12"; 1 clip provided for each additional 12" or less length | 2 clips provided for first 12"; 1 clip provided for each additional 12" or less length | 2 clips provided for first 12"; 1 clip provided for each additional 12" or less length |
| To order separately use TBC-04 | To order separately use TBC-05 | To order separately use TBC-06 | To order separately use TBC-07 | To order separately use TBC-08 |
| Each pair of clips comes with M2.5 x 4mm set screw and Allen key | Each pair of clips comes with M2.5 x 4mm set screw and Allen Key | Each pair of clips comes with M2.5 x 4mm set screw and Allen key | Each pair of clips comes with M2.5 x 4mm set screw and Allen key | Each pair of clips comes with M2.5 x 4mm set screw and Allen key |

## 13 FINISH

- Satin
- Black
- Bronze
- White

Custom color available

## 15 EXACT/OPTIMAL FIXTURE LENGTH

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

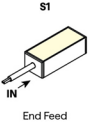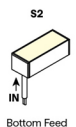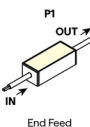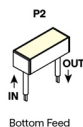DIM SPOT          DIM SPOTS          DIM SPOT
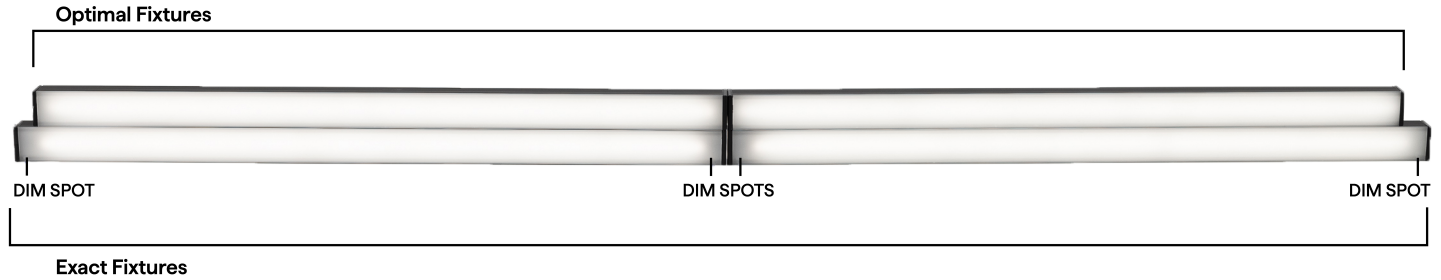
Exact Fixtures

## SC DRY LENGTHS BY INCH

Available in any length in between 12" and 98" not including end caps, 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" | 0.5" |
| 14" | 1" |
| 15" | 0.5" |
| 16" | 1" |
| 17" | 0.5" |
| 18" | 1" |
| 19" | 0.5" |
| 20" | 1" |
| 21" | 0.5" |
| 22" | 1" |
| 23" | 0.5" |
| 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 & S2 | | P1 & P2 | |
|---|---|---|---|---|
| | S1 End Feed (In) | S2 Bottom Feed (In) | P1 Out End Feed (In) | P2 Out Bottom Feed (In) |
| 12" | 10.49" | | 10.74" | |
| 13" | 12.49" | | 12.74" | |
| 14" | 12.49" | | 12.74" | |
| 15" | 14.49" | | 14.74" | |
| 16" | 14.49" | | 14.74" | |
| 17" | 16.49" | | 16.74" | |
| 18" | 16.49" | | 16.74" | |
| 19" | 18.49" | | 18.74" | |
| 20" | 18.49" | | 18.74" | |
| 21" | 20.49" | | 20.74" | |
| 22" | 20.49" | | 20.74" | |
| 23" | 22.49" | | 22.74" | |
| 24" | 22.49" | | 22.74" | |
| 36" | 34.49" | | 34.74" | |
| 48" | 46.49" | | 46.74" | |
| 60" | 58.49" | | 58.74" | |
| 72" | 70.49" | | 70.74" | |
| 84" | 82.49" | | 82.74" | |
| 96" | 94.49" | | 94.74" | |

## COMPATIBLE POWER SUPPLIES

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

| DIM TO LEVEL | INDOOR |
|---|---|
| | SC |
| Dim to Black | Q6M-DC+CAP<br>QTM-DC+CAP<br>iQ-PH<br>iQ-PH+QD1 |
| 0.1% | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-BOWTIE+DIMMER<br>QZ-DMX<br>QZ-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP |
| 1% | QTM-eLED(E)<br>QZ-DALI-DT6 |
| 10% | Non-Dim Power Supply with SW App Dongle |

| DIMMING PROTOCOL | INDOOR |
|---|---|
| | SC |
| Non-Dim | QT-CAB-eLED-ND<br>QTM-eLED-ND<br>QZ-ND |
| Phase | Q6M-DC+CAP<br>QT-CAB-QZ-PH/0-10V<br>QTM-DC+CAP<br>QTM-eLED(E)<br>QZ-BOWTIE+DIMMER<br>QZ-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP<br>iQ-PH<br>iQ-PH+QD1 |
| 0-10V | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QZ-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP |
| Lutron Athena | QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6-AWN |
| ECO System | QTM-eLED(E) |
| DMX | QZ-DMX |
| DALI-2: DT6 | QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-DALI-DT6 |
| SCENE App Dimmed | Non-Dim Power Supply with SW App Dongle |

## COMPATIBLE MOUNTING ACCESSORIES
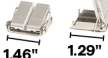
**HINGE - HMB-M**
1.41"  .71"
Adjustable mounting bracket - Medium

**HINGE - HMB-L**
1.46"  1.29"
Adjustable mounting bracket - Large

**HINGE - HMB-XL**
4"  1.46"
Adjustable mounting bracket - XLarge

**Q-PIVOT**
.75"  1.03"
Small mounting accessory

**Q-ANGLE**
2.23"  1.38"
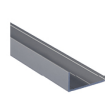Adjustable mounting accessory

**NJ-LARGE**
J Mounting Bracket

**NU-LARGE**
U Mounting Bracket

**SD-J-LARGE**
J Mounting Bracket

**BL-LARGE**
Backwards L Mounting Bracket

**NL-LARGE**
L Mounting Bracket

**SD-L-LARGE**
L Mounting Bracket

## COMPATIBLE WIRING ACCESSORIES

| Q-mini-J | Q-mini-J5 | CON120-EXT | CON FOUR-FER | CON M - BARREL F |
|---|---|---|---|---|
| 2"  1.25" | 2.80"  2.27" | | | |
| UL Listed, miniature junction box, DRY/DMP (WET rated with silicone) | UL Listed, miniature junction box, DRY/DMP (WET rated with silicone) | 10ft Con cable extender  DRY/DMP/WET | Splits lead from one to four LED Con connectors  DRY/DMP/WET | Male con to barrel cable adaptor  DRY/DMP |

## COMPATIBLE APPS

**NFC APP**

Q-NFC

Read and write DMX addresses and adjust voltage