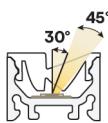




# VERS-ASYMMETRIC (09) FOR

## TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed



white  
optics

UL  
LISTED

ROHS  
COMPLIANT

EPD  
ENVIRONMENTAL  
DECLARATION

JAB-2019  
HE only

5 YEAR  
WARRANTY

BAA  
BUY AMERICAN  
ACT COMPLIANT

BABA  
BUY AMERICA  
COMPLIANT

Declare.

### INFORMATION REQUIRED FOR LIGHTING SCHEDULE

| 1<br>PRODUCT | 2<br>WATTS/ FT | 3<br>CCT | 4<br>RATED | 5<br>LENS | 6<br>EXTERNAL LOUVER |
|--------------|----------------|----------|------------|-----------|----------------------|
|              |                |          | DRY        | ASYM      |                      |

### ADDITIONAL INFORMATION REQUIRED TO ORDER

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

Sample Part Number: VERS-09-DW-2.5HE-20/30-DRY-ASYM-N/A-P1A-BW-BW-BK-CL2-CC-BK-48"-E

|  |   |   |   |   |  |
|--|---|---|---|---|--|
| <b>1</b><br><b>PRODUCT</b><br><br><b>VERS-09-DW</b><br><b>VERS-09-DW-USA</b><br><br>Select USA option for BAA and BABA projects.<br><br>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 following pages for compatible power supplies.                          | <b>2</b><br><b>WATTS/FT</b><br><br>1.5HE 1.5W/ft HE<br>2.5HE 2.5W/ft HE<br>4.0HE 4.0W/ft HE   | <b>3</b><br><b>CCT</b><br><br>20/27 2000K/2700K<br>20/30 2000K/3000K<br>27/40 2700K/4000K<br>27/55 2700K/5500K  | <b>4</b><br><b>RATED</b><br><br>DRY IP20  | <b>5</b><br><b>LENS</b><br><br>ASYM Asymmetric<br><br>For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages  | <b>6</b><br><b>EXTERNAL LOUVER</b><br><br>L1-WH White Plastic<br>L1-BK Black Plastic<br>N/A No Louver<br><br>Plastic Louvers come in 12" lengths, multiple pieces will be used to match fixture length. White and custom painted finishes are not compatible with L2 external louvers. |
| <b>7</b><br><b>WIRE INPUT/OUTPUT</b><br><br><b>SINGLE (Input only)</b><br>S1A End Feed<br>S1B End Feed<br>S2A Bottom Feed<br>S2B Bottom Feed<br>S3A Left Side Feed<br>S3B Left Side Feed<br>S4A Right Side Feed<br>S4B Right Side Feed<br><br>When using TBC Mounting, a bare wire S2A/A2B wire feed is recommended. See install instructions for details. | <b>8</b><br><b>CONNECTOR/WIRE IN</b><br><br>BW Bare Wire (Standard 36")<br>CON6 Connector 6"<br>CON24 Connector 24"<br><br>BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48) | <b>9</b><br><b>CONNECTOR/WIRE OUT</b><br><br>CLS Closed End (No feed)   | <b>10</b><br><b>WIRE COLOR</b><br><br>WH White<br>BK Black  |   |  |
| <b>PASS THROUGH (Input/output)</b><br>P1A End Feed<br>P1B End Feed<br>P2A Bottom Feed<br>P2B Bottom Feed<br>P3A Left Side Feed<br>P3B Left Side Feed<br>P4A Right Side Feed<br>P4B Right Side Feed<br><br>When using TBC Mounting, a bare wire P2A/P2B wire feed is recommended. See install instructions for details.                                     | <b>BW</b> Bare Wire (Standard 36")<br><b>CON6</b> Connector 6"<br><b>CON24</b> Connector 24"<br><br>BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)                        | <b>BW</b> Bare Wire (Standard 36")<br><b>CON6</b> Connector 6"<br><b>CON24</b> Connector 24"<br><br>BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)                  |   |   |  |
| <b>11</b><br><b>WIRE TYPE</b><br><br>CL2 Class 2<br>CL2P Plenum Rated<br><br>CL2P only available with bare wire leads (BW)   | <b>12</b><br><b>MOUNTING</b><br><br>CC Concealed Clip<br>MG Magnet<br>TBC-03 9/16" Flat TB-Grid<br>TBC-04 15/16" Flat or Tegular TB-Grid<br>TBC-05 9/16" Tegular TB-Grid  | <b>13</b><br><b>FINISH</b><br><br>ST Satin<br>BK Black<br>BZ Bronze<br>WH White<br>CU Custom<br><br>White and custom painted finishes are not compatible with external louvers.<br>Custom finishes require a longer lead time, consult factory. | <b>14</b><br><b>LENGTH (IN)</b><br><br>Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12". | <b>15</b><br><b>EXACT/OPTIMAL</b><br><br>O Optimal Illumination<br>E Exact Specified Length<br><br>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. |  |

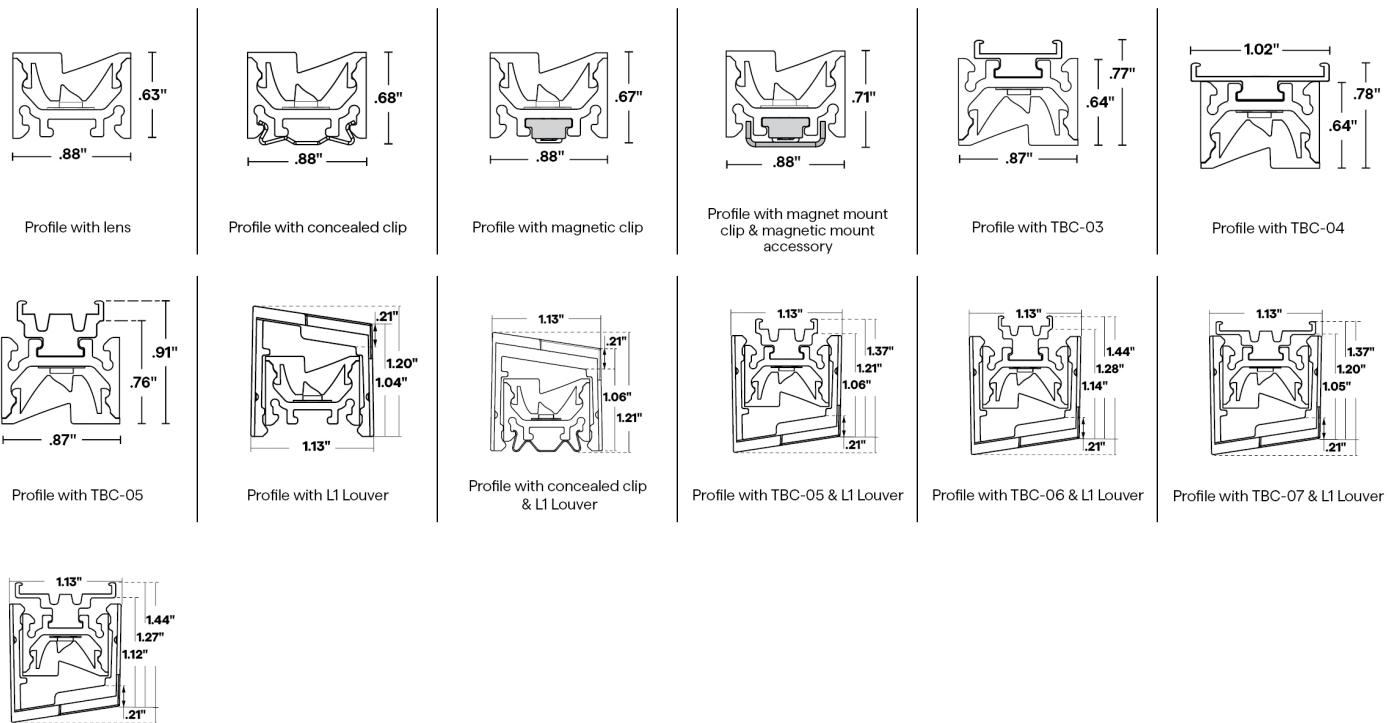
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



# VERS-ASYMMETRIC (09) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## 1 PRODUCT - DIMENSIONS



Profile with TBC-08 & L1 Louver

## 2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]  
Tested with VERS-09-DW-\*\*-\*\*-DRY

|       | 1.5HE W/FT | 2.5HE W/FT | 4.0HE W/FT |       |     |    |
|-------|------------|------------|------------|-------|-----|----|
| LM/FT | CRI        | LM/FT      | CRI        | LM/FT | CRI |    |
| ASYM  | 141        | 98         | 223        | 98    | 343 | 98 |

## 5 DIODE VISIBILITY

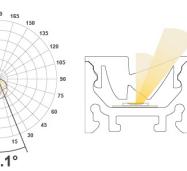


ASYM - Asymmetric lens

## PHOTOMETRIC PERFORMANCE

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

6W/ft Asymmetric lens





# VERS-ASYMMETRIC (09) FOR TUNABLE APPLICATIONS

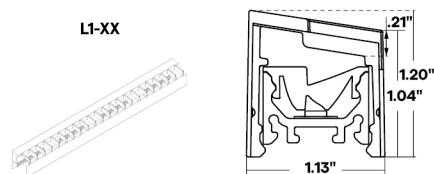
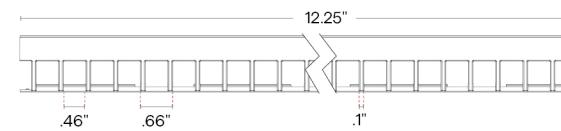
24VDC Linear Fixtures - Surface & Recessed

## 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                     | DW 4.0 HE W/FT                        | DW 8.0 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 | QTL power supply other than DALI, DMX | DALI, DMX, or non-QTL power supply |
|     |                                  | Min                                   | Max                                | Min                                   | Max                                | Min                                   | Max                                |
| DRY | Ambient Operating Temp - Surface | -4°F                                  | 145°F                              | -4°F                                  | 135°F                              | -4°F                                  | 120°F                              |
|     |                                  |                                       |                                    | -4°F                                  | 135°F                              | -4°F                                  | 125°F                              |
|     |                                  |                                       |                                    | -4°F                                  | 110°F                              | -4°F                                  |                                    |

## 6 EXTERNAL LOUVER

PLASTIC



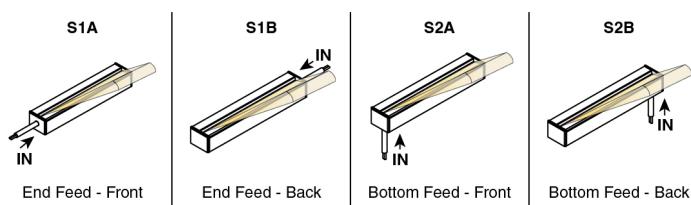
Lumen Multiplier  
WH BK

Profile with plastic louver

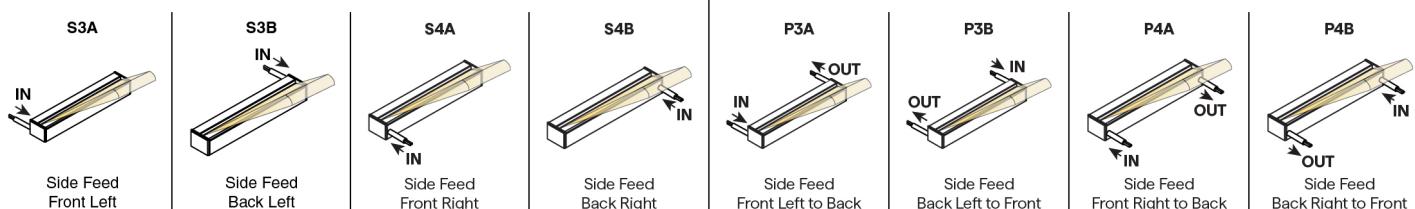
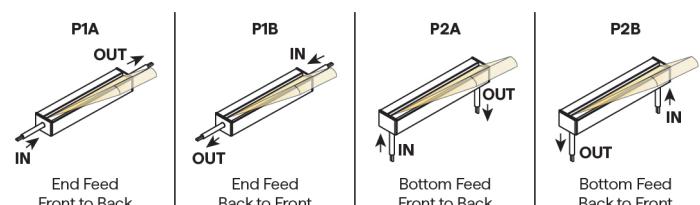
0.63 0.43

## 7 WIRE INPUT/OUTPUT

ASYMMETRIC ONLY SINGLE (Input only)



ASYMMETRIC ONLY PASS THROUGH (Input/Output)

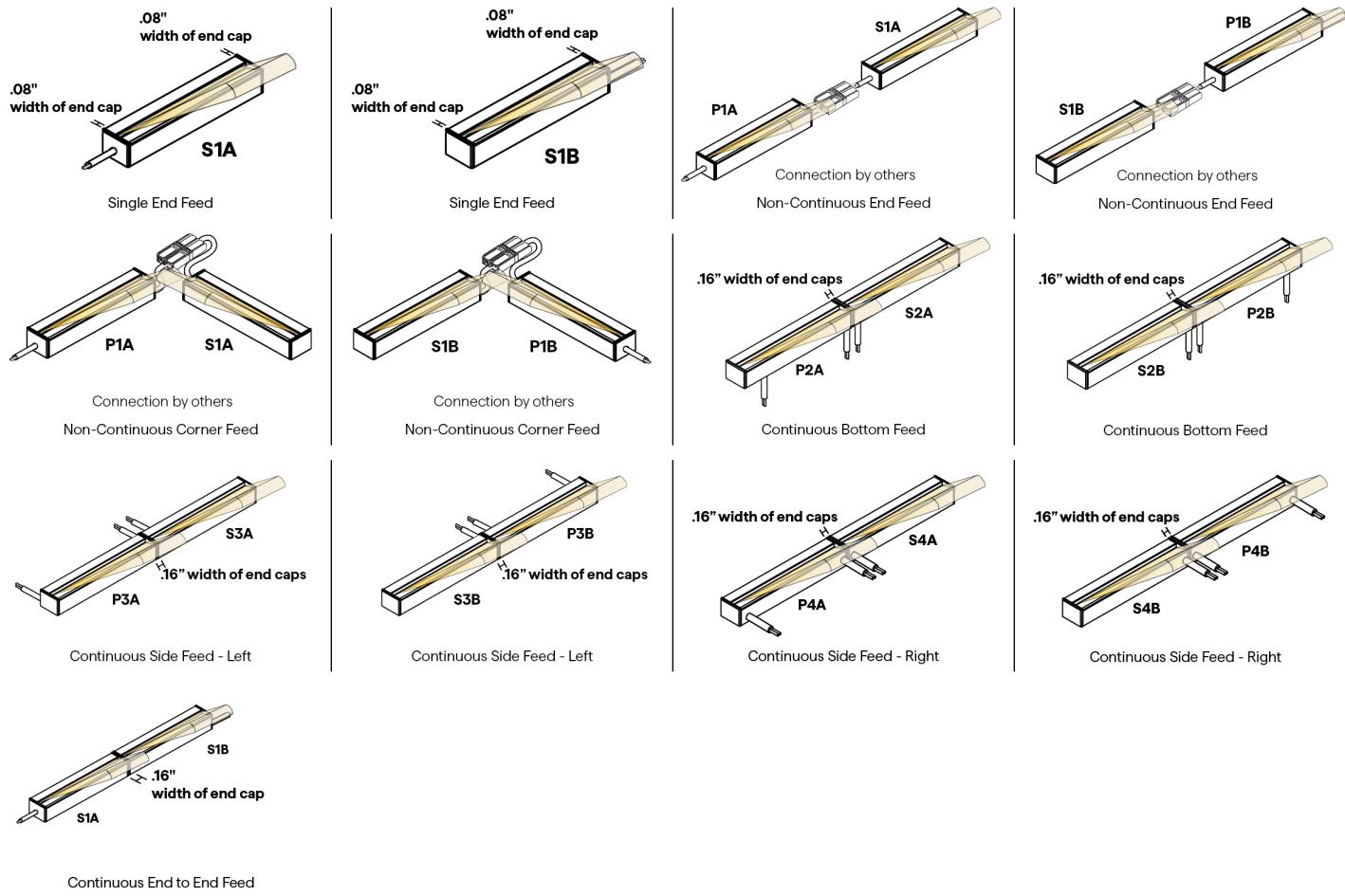




# VERS-ASYMMETRIC (09) FOR TUNABLE APPLICATIONS

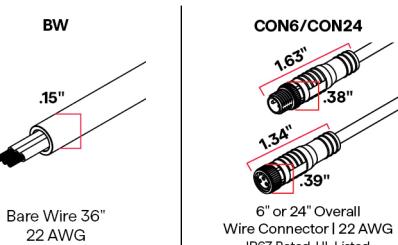
24VDC Linear Fixtures - Surface & Recessed

## CONFIGURATION OPTIONS



## 8 / 9 CONNECTOR/WIRE – IN/OUT

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



## 10 WIRE COLOR

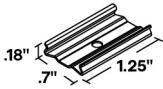
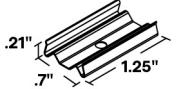
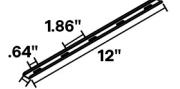
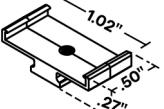
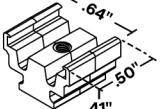




## VERS-ASYMMETRIC (09) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

### 12 MOUNTING

|   |  |  |   |   |
|---|--|--|---|---|
| <b>CC</b><br>(CC-01)  | <b>CC</b><br>(CC-02)   | <b>MG</b>  | <b>MMA-02</b>   | <b>TBC-03</b>   |
| <br>Concealed Clip   | <br>Louver Concealed Clip<br>Required if L1 or L2 Louver is selected  | <br>Magnet Clip | <br>Magnet Mount Accessory for MG-02<br>Sold separately, to order use MMA-02<br>Each clip comes with a #6 Flat Screw | <br>Plastic T-Bar Clip<br>Use on 9/16" Flat Drop Ceiling<br>2 clips provided for first 12"; 1 clip provided for each additional 12" or less length |
| 2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'<br><br>To order separately use CC-01<br><br>Each clips comes with a #4 x 5/8" Flat Head screw.  | 2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'<br><br>To order separately use CC-02<br><br>Each clips comes with a #4 x 5/8" Flat Head screw.   | One MG provided per foot<br><br>To order separately use MG-02                                    | Required when mounting to a non-magnetic surface  | To order separately use TBC-03<br><br>Each pair of clips comes with M2.5 x 4mm set screw and Allen key  |
| <b>TBC-04</b><br><br>Plastic T-Bar Clip<br><br>Use on 15/16" Flat or Tegular Drop Ceiling<br><br>2 clips provided for first 12"; 1 clip provided for each additional 12" or less length<br><br>To order separately use TBC-04<br><br>Each pair of clips comes with M2.5 x 4mm set screw and Allen key | <b>TBC-05</b><br><br>Plastic T-Bar Clip<br><br>Use on 9/16" Tegular Drop Ceiling<br><br>2 clips provided for first 12"; 1 clip provided for each additional 12" or less length<br><br>To order separately use TBC-05<br><br>Each pair of clips comes with M2.5 x 4mm set screw and Allen key |  |   |   |

### 13 FINISH



Satin

Black

Bronze

White

Custom finishes require a longer lead time, consult factory

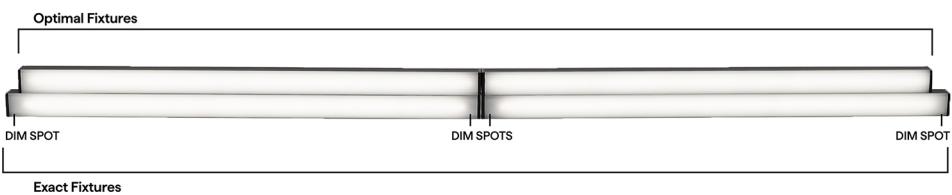


# VERS-ASYMMETRIC (09) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## 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.



## DW-HE 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 | S1A/B & S2A/B  |                   | P1A/B & P2A/B  |                   | S3A/B & S4A/B          |                         | P3A/B & P4A/B          |                         |
|--------------------------|----------------|-------------------|----------------|-------------------|------------------------|-------------------------|------------------------|-------------------------|
|                          | S1<br>End Feed | S2<br>Bottom Feed | P1<br>End Feed | P2<br>Bottom Feed | S3<br>Side Feed - Left | S4<br>Side Feed - Right | P3<br>Side Feed - Left | P4<br>Side Feed - Right |
| 12"                      | 10.59"         |                   | 10.94"         |                   | 10.49"                 |                         | 10.59"                 |                         |
| 13"                      | 12.59"         |                   | 12.94"         |                   | 12.49"                 |                         | 12.59"                 |                         |
| 14"                      | 12.59"         |                   | 12.94"         |                   | 12.49"                 |                         | 12.59"                 |                         |
| 15"                      | 14.59"         |                   | 14.94"         |                   | 14.49"                 |                         | 14.59"                 |                         |
| 16"                      | 14.59"         |                   | 14.94"         |                   | 14.49"                 |                         | 14.59"                 |                         |
| 17"                      | 16.59"         |                   | 16.94"         |                   | 16.49"                 |                         | 16.59"                 |                         |
| 18"                      | 16.59"         |                   | 16.94"         |                   | 16.49"                 |                         | 16.59"                 |                         |
| 19"                      | 18.59"         |                   | 18.94"         |                   | 18.49"                 |                         | 18.59"                 |                         |
| 20"                      | 18.59"         |                   | 18.94"         |                   | 18.49"                 |                         | 18.59"                 |                         |
| 21"                      | 20.59"         |                   | 20.94"         |                   | 20.49"                 |                         | 20.59"                 |                         |
| 22"                      | 20.59"         |                   | 20.94"         |                   | 20.49"                 |                         | 20.59"                 |                         |
| 23"                      | 22.59"         |                   | 22.94"         |                   | 22.49"                 |                         | 22.59"                 |                         |
| 24"                      | 22.59"         |                   | 22.94"         |                   | 22.49"                 |                         | 22.59"                 |                         |
| 36"                      | 34.59"         |                   | 34.94"         |                   | 34.49"                 |                         | 34.59"                 |                         |
| 48"                      | 46.59"         |                   | 46.94"         |                   | 46.49"                 |                         | 46.59"                 |                         |
| 60"                      | 58.59"         |                   | 58.94"         |                   | 58.49"                 |                         | 58.59"                 |                         |
| 72"                      | 70.59"         |                   | 70.94"         |                   | 70.49"                 |                         | 70.59"                 |                         |
| 84"                      | 82.59"         |                   | 82.94"         |                   | 82.49"                 |                         | 82.59"                 |                         |
| 96"                      | 94.59"         |                   | 94.94"         |                   | 94.49"                 |                         | 94.59"                 |                         |

## COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has  $\pm 5\%$  tolerance.

| DIM TO LEVEL | INDOOR                     |   |
|--------------|----------------------------|---|
|              | 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 |
| 1%           |                            | QZ-DALI-DT8   |
| 10%          |                            | Non-Dim Power Supply with TW App Dongle   |

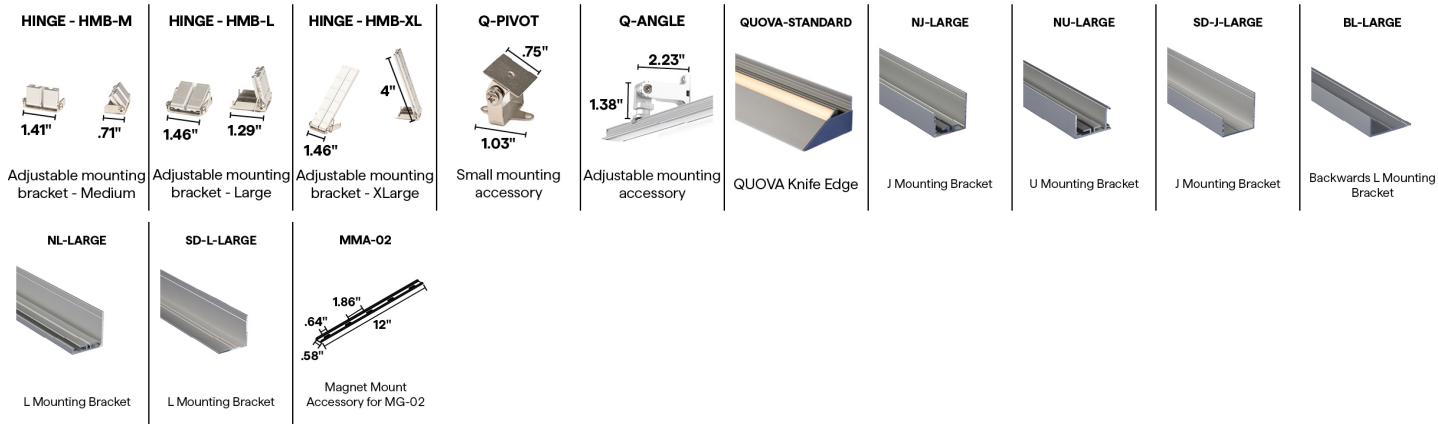


# VERS-ASYMMETRIC (09) FOR TUNABLE APPLICATIONS

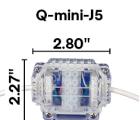
24VDC Linear Fixtures - Surface & Recessed

| DIMMING PROTOCOL  | INDOOR  |
|---|---|
|   | 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  |
| 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                    |
| <b>DMX</b><br>LED wattage must be doubled for DW-HE products                        | QZ-DMX  |
| <b>DALI-2: DT6</b><br>LED wattage must be doubled for DW-HE products except for AWN | QT-CAB-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6   |
| <b>DALI-2: DT8</b><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 |
| SCENE App Dimmed  | Non-Dim Power Supply with TW App Dongle   |

## COMPATIBLE MOUNTING ACCESSORIES



## COMPATIBLE WIRING ACCESSORIES



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



## VERS-ASYMMETRIC (09) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

### COMPATIBLE CONTROL ACCESSORIES

#### SCENE APP DONGLE



Wi-Fi or Bluetooth  
Connectivity

### COMPATIBLE APPS

#### NFC APP



Read and write  
DMX addresses and  
adjust voltage