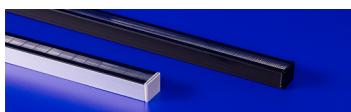




# VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed



- Features a co-extruded lens with integrated louvers that provide 35° viewing angles, delivering exceptional glare control ideal for direct view applications.
- The Crosswise louver reduces end-view glare while the Lengthwise louver reduces side-view glare.
- Lens options include frosted or diffused finishes to suit various lighting requirements.
- Integrated metal endcaps combined with extruded aluminum housing give this LED fixture a polished modern look.
- White Optics, an internal coating that results in greater lumen output, comes standard in all VERS LED fixtures.
- Consult factory for field assembly options.
- Can be suitable for exterior use when specified as wet, contact factory for more information.

1 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 INTERNAL LENS	6 INTERNAL LOUVER	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
				DF										

Sample Part Number: VERS-11-DW-2.5HE-20/30-DRY-DF-C-P1A-BW-BW-BK-CL2-CC-BK-48"-E

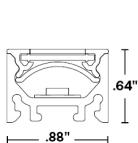
<b>1</b> <b>PRODUCT</b>  <b>VERS-11-DW</b> <b>VERS-11-DW-USA</b>  Select USA option for BAA and BABA projects. Only DRY ratings apply.  See following pages for compatible power supplies.	<b>2</b> <b>WATTS/FT</b>  1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE 4.0HE 4.0W/ft HE  1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE	<b>3</b> <b>CCT</b>  20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K  24/30 2400K/3000K 27/40 2700K/4000K	<b>4</b> <b>RATED</b>  DRY IP20  DMP IP54	<b>5</b> <b>INTERNAL LENS</b>  DF Diffused Internal  For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages. See VERS-04 for additional 25° lens option.	<b>6</b> <b>INTERNAL LOUVER</b>  C Crosswise Internal L Lengthwise Internal  Louver slats are angled. Refer to diagrams to identify the side of the fixture with the most visual cutoff.
<b>7</b> <b>WIRE INPUT/OUTPUT</b>  S1A Single 1 (Input only) - End Feed S1B Single 1 (Input only) - End Feed S2A Single 2 (Input only) - Bottom Feed S2B Single 2 (Input only) - Bottom Feed  P1A Pass Through 1 (Input/output) - End Feed P1B Pass Through 1 (Input/output) - End Feed P2A Pass Through 2 (Input/output) - Bottom Feed P2B Pass Through 2 (Input/output) - Bottom Feed	<b>8</b> <b>CONNECTOR/WIRE IN</b>  BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24"  BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24"	<b>9</b> <b>CONNECTOR/WIRE OUT</b>  CLS Closed End (No feed)  BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24"	<b>10</b> <b>WIRE COLOR</b>  WH White BK Black		
		BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)		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> <b>WIRE TYPE</b>  CL2 Class 2 CL2P Plenum Rated  CL2P only available with bare wire leads (BW)	<b>12</b> <b>MOUNTING</b>  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	<b>13</b> <b>FINISH</b>  ST Satin BK Black BZ Bronze WH White CU Custom  Finish applies only to aluminum extrusion and endcaps; cover lens and internal louver are always black. Custom finishes have longer lead times. Non-RAL 9003 whites are custom.	<b>14</b> <b>LENGTH (IN)</b>  Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	<b>15</b> <b>EXACT/OPTIMAL</b>  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.	



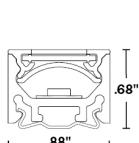
# VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

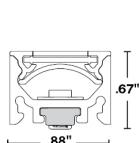
## 1 PRODUCT - DIMENSIONS



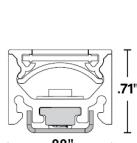
Profile with lens



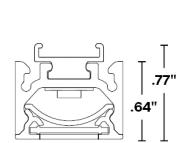
Profile with concealed clip



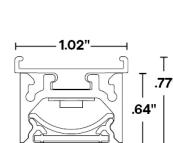
Profile with magnetic clip



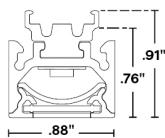
Profile with magnet mount clip & magnetic mount accessory



Profile with TBC-03



Profile with TBC-04



Profile with TBC-05

## 2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]

Tested with VERS-11-DW-\*\*-\*\*-DRY

3000K	1.5HE W/FT			2.5HE W/FT			4.0HE W/FT		
	LM/FT	CRI	UGR	LM/FT	CRI	UGR	LM/FT	CRI	UGR
DF-C	36	98	$\leq 11.0$	60	98	$\leq 12.8$	80	99	$\leq 13.8$
DF-L	43	98	$\leq 14.3$	71	98	$\leq 15.9$	99	98	$\leq 17.4$

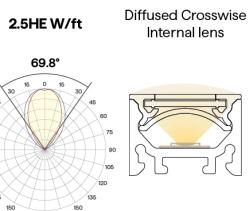
## 5 DIODE VISIBILITY



DF - Diffused lens

## PHOTOMETRIC PERFORMANCE

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





# VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

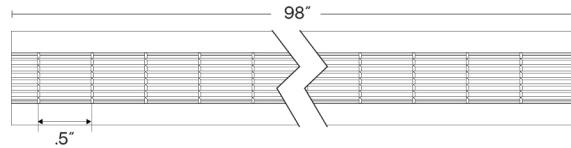
24VDC Linear Fixtures - Surface & Recessed

## 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
DMP	Ambient Operating Temp - Surface	-4°F	140°F	-4°F	130°F	-4°F	115°F
		—	—	—	—	—	—

## 6 INTERNAL LOUVER

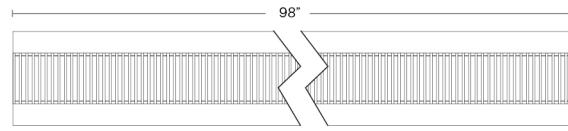
### INTERNAL LOUVER - LENGTHWISE



L



### INTERNAL LOUVER - CROSSWISE



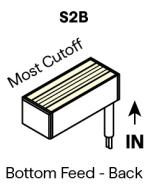
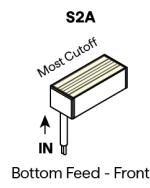
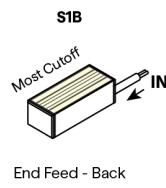
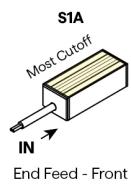
C



## 7 WIRE INPUT/OUTPUT

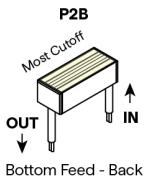
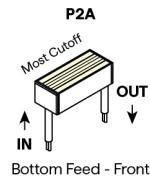
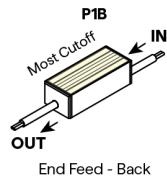
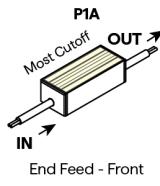
### LENGTHWISE - SINGLE (Input only)

Reduced Side View Glare - Louver slats are angled towards one side of the fixture. Refer to diagrams to identify the side of the fixture with the most visual cutoff.



### LENGTHWISE - PASS THROUGH (Input /Output)

Reduced Side View Glare - Louver slats are angled towards one side of the fixture. Refer to diagrams to identify the side of the fixture with the most visual cutoff.



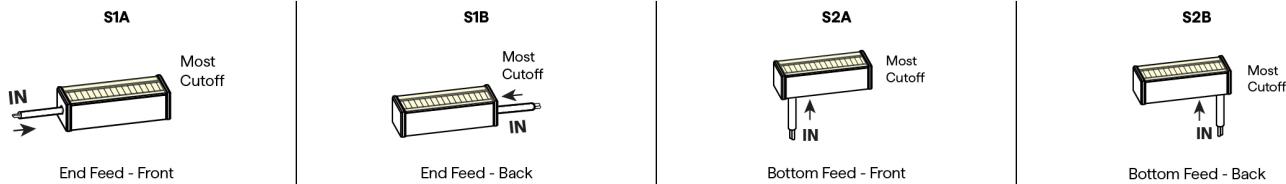


# VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

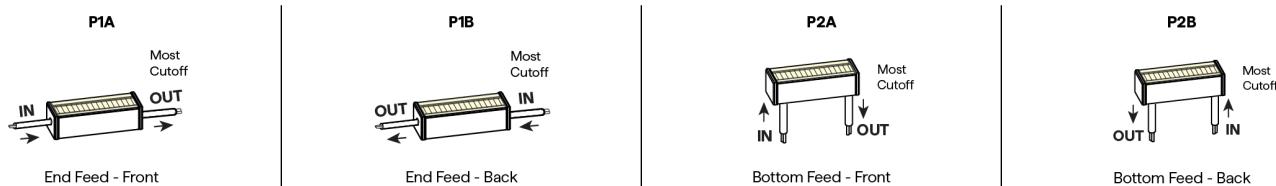
## CROSSWISE - SINGLE (Input only)

Reduced End View Glare - Louver slats are angled towards one end of the fixture. Refer to diagrams to identify the side of the fixture with the most visual cutoff.



## CROSSWISE - PASS THROUGH (Input /Output)

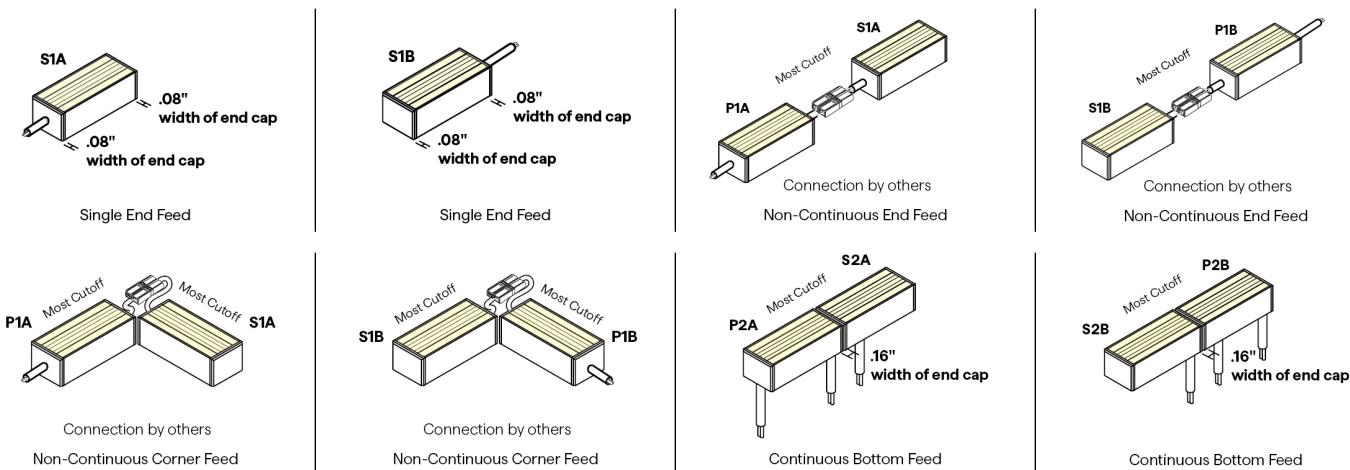
Reduced End View Glare - Louver slats are angled towards one end of the fixture. Refer to diagrams to identify the side of the fixture with the most visual cutoff.



## CONFIGURATION OPTIONS

### LENGTHWISE

Reduced Side View Glare - Louver slats are angled towards one side of the fixture. Refer to diagrams to identify the side of the fixture with the most visual cutoff.



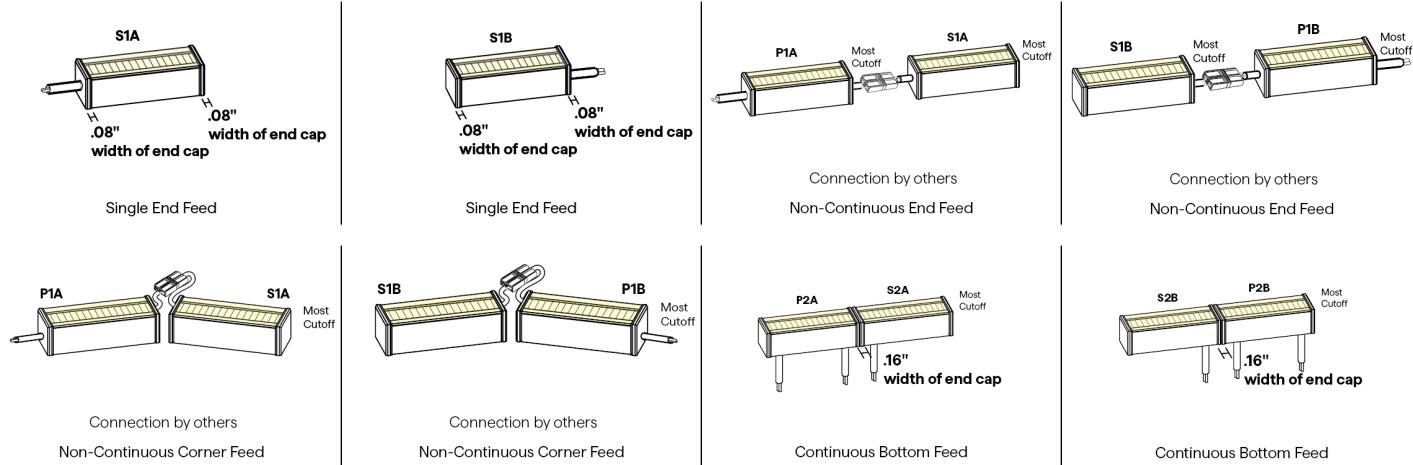


# VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

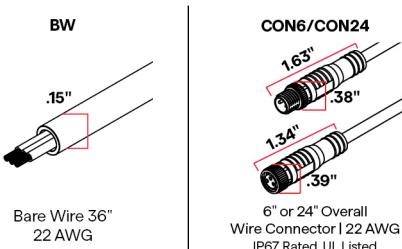
## CROSSWISE

Reduced End View Glare - Louver slats are angled towards one end of the fixture. Refer to diagrams to identify the side of the fixture with the most visual cutoff.



## 8 / 9 CONNECTOR/WIRE – IN/OUT

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



## 10 WIRE COLOR



## 12 MOUNTING

CC (CC-01)	MG	MMA-02	TBC-03	TBC-04
 Concealed Clip	 Magnet Clip	 Magnet Mount Accessory for MG-02	 Plastic T-Bar Clip	 Plastic T-Bar 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 (sold in pairs) Each clips comes with a #4 x 5/8" Flat Head screw.	One MG provided per foot To order separately use 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	Use on 9/16" Flat Drop Ceiling 2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture. To order separately use TBC-03 Each pair of clips comes with M2.5 x 4mm set screw and Allen key	Use on 15/16" Flat or Regular Drop Ceiling 2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture. To order separately use TBC-04 Each pair of clips comes with M2.5 x 4mm set screw and Allen key

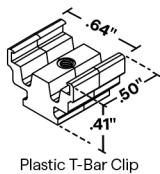


## VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

### MOUNTING CONTINUED

TBC-05



Use on 9/16" Tegular Drop Ceiling

2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.

To order separately use TBC-05

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

### 13 FINISH



Satin

Black

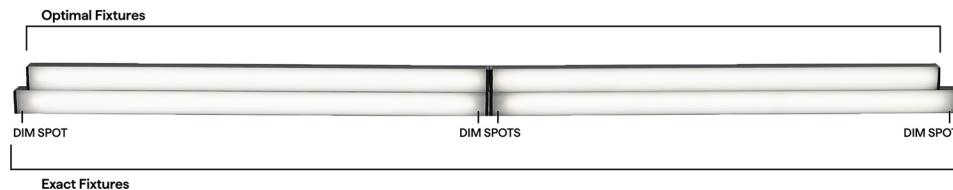
Bronze

White

Custom finishes require a longer lead time, consult factory. Finish is only applicable to the aluminum extrusion and endcaps. The Cover Lens and Internal Louver is always black.

### 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.





# VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## DW-HE DRY DMP LENGTHS BY INCH

### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 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

Requested Nominal Length	S1A/B & S2A/B		P1A/B & P2A/B	
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed
12"	10.59"		10.94"	
13"	12.59"		12.94"	
14"	12.59"		12.94"	
15"	14.59"		14.94"	
16"	14.59"		14.94"	
17"	16.59"		16.94"	
18"	16.59"		16.94"	
19"	18.59"		18.94"	
20"	18.59"		18.94"	
21"	20.59"		20.94"	
22"	20.59"		20.94"	
23"	22.59"		22.94"	
24"	22.59"		22.94"	
36"	34.59"		34.94"	
48"	46.59"		46.94"	
60"	58.59"		58.94"	
72"	70.59"		70.94"	
84"	82.59"		82.94"	
96"	94.59"		94.94"	

## COMPATIBLE POWER SUPPLIES

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

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

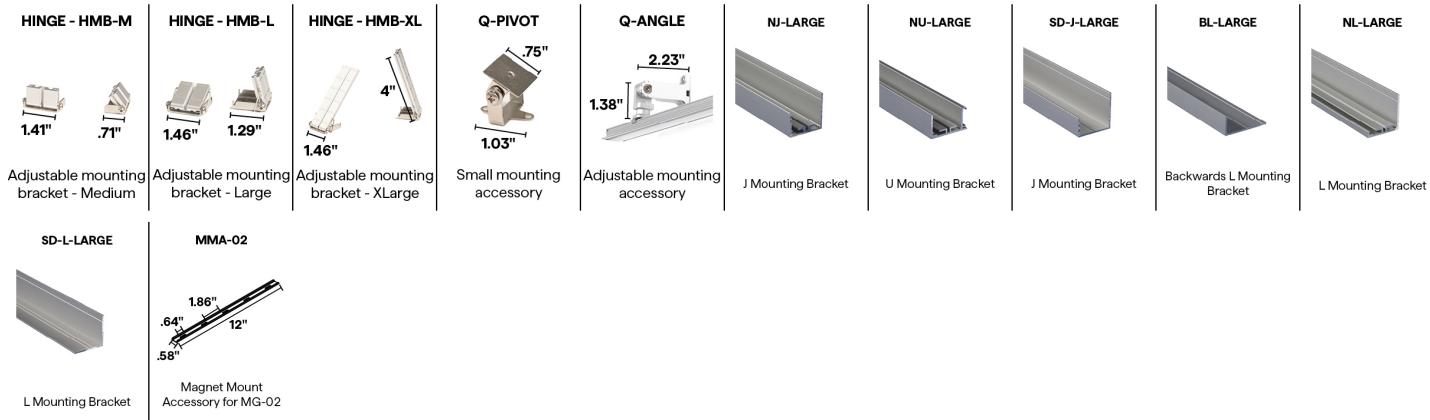


# VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

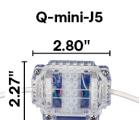
24VDC Linear Fixtures - Surface & Recessed

DIMMING PROTOCOL	INDOOR
	DW-HE Tunable Applications
0-10V	QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN
<b>DMX</b> LED wattage must be doubled for DW-HE products	QZ-DMX
<b>DALI-2: DT6</b> LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6
<b>DALI-2: DT8</b> 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
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-NANO-LOUVER (11) 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