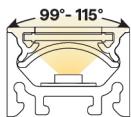
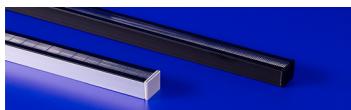




# VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed



white optics

UL LISTED

RoHS COMPLIANT

EPD ENVIRONMENTAL PRODUCT DECLARATION

JAB-2019 HE only

5 YEAR WARRANTY

BAA & BABA CONTACT FACTORY

Declare

Red List Approved

- 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.

## INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 INTERNAL LENS	6 INTERNAL LOUVER
VERS-11-DW				DF	

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-11-DW-2.5HE-20/30-DRY-DF-C-P1A-BW-BW-BK-CL2-CC-BK-48"-E

<b>1</b> <b>PRODUCT</b>  VERS-11-DW  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 L Crosswise Internal 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>  SINGLE (Input only) S1A End Feed S1B End Feed S2A Bottom Feed S2B Bottom Feed  When using TBC Mounting, a bare wire S2 wire feed is recommended. See install instructions for details.	<b>8</b> <b>CONNECTOR/WIRE IN</b>  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)	<b>9</b> <b>CONNECTOR/WIRE OUT</b>  CLS Closed End (No feed)	<b>10</b> <b>WIRE COLOR</b>  WH White BK Black		
<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 is only applicable to the aluminum extrusion and endcaps. The Cover Lens and Internal Louver is always black. Custom finishes require a longer lead time, consult factory	<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.	

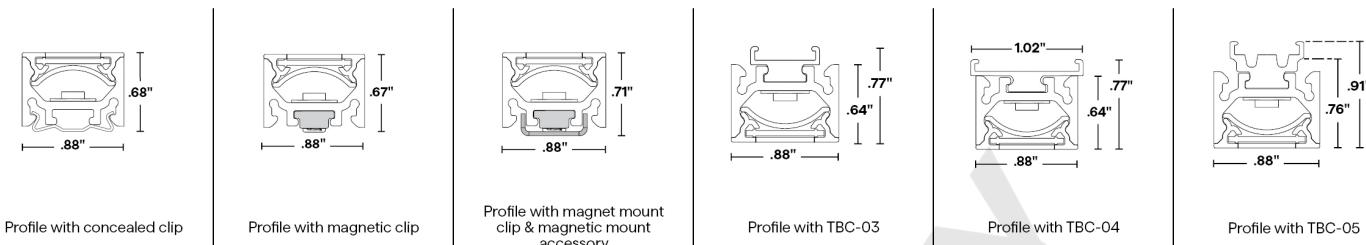
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



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

24VDC Linear Fixtures - Surface & Recessed

## 1 PRODUCT - DIMENSIONS



## 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	≤ 11.0	60	98	≤ 12.8	80	99	≤ 13.8
DF-L	43	98	≤ 14.3	71	98	≤ 15.9	99	98	≤ 17.4

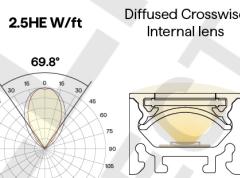
## 5 DIODE VISIBILITY



DF - Diffused lens

## PHOTOMETRIC PERFORMANCE

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



## TEMPERATURE RATINGS

		DW 1.5 HE W/FT				DW 2.5 HE W/FT				DW 4.0 HE W/FT			
		Q-Tran power supply other than DALI, DMX		DALI, DMX, or non-Q-Tran power supply		Q-Tran power supply other than DALI, DMX		DALI, DMX, or non-Q-Tran power supply		Q-Tran power supply other than DALI, DMX		DALI, DMX, or non-Q-Tran power supply	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	145°F	-4°F	135°F	-4°F	135°F	-4°F	120°F	-4°F	125°F	-4°F	110°F
DMP	Ambient Operating Temp - Surface	-4°F	140°F	-4°F	130°F	-4°F	130°F	-4°F	115°F	—	—	—	—

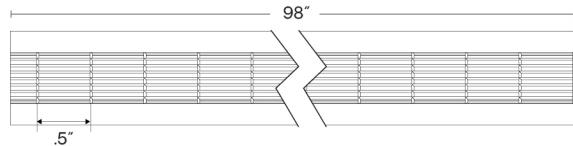


# VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## 6 INTERNAL LOUVER

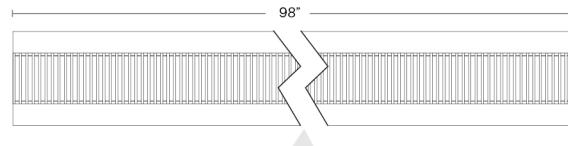
### INTERNAL LOUVER - LENGTHWISE



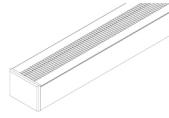
L



### INTERNAL LOUVER - CROSSWISE



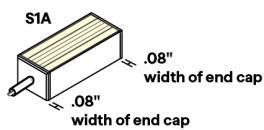
C



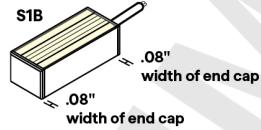
## CONFIGURATION OPTIONS

### LENGTHWISE

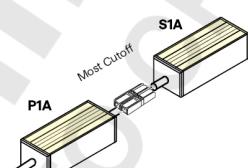
Reduced Side View Glare - Louver slats are angled towards one side of the fixture. Refer to diagrams to identify the side of the fixture with the most visual cutoff.



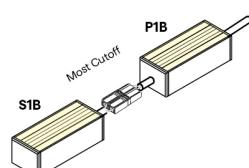
Single End Feed



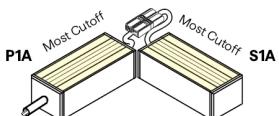
Single End Feed



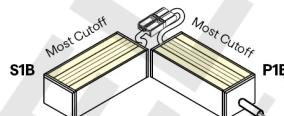
Connection by others  
Non-Continuous End Feed



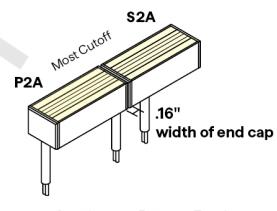
Connection by others  
Non-Continuous End Feed



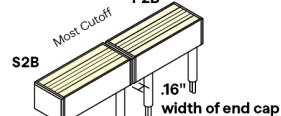
Connection by others  
Non-Continuous Corner Feed



Connection by others  
Non-Continuous Corner Feed



Continuous Bottom Feed



Continuous Bottom Feed

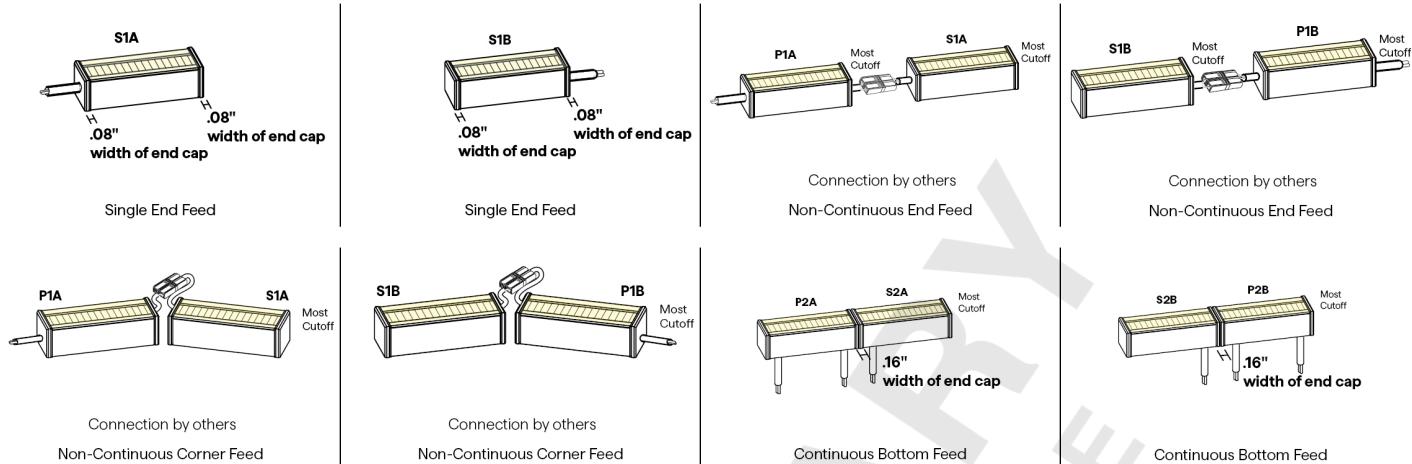


# VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

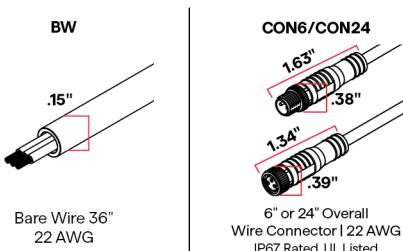
## CROSSWISE

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
 .18" x .7" x 1.25"	 .35" x 3.13" x .15"	 .64" x .58" x 1.86" x 12"	 .64" x .50" x .27"	 1.02" x .50" x .27"
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 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 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 To order separately use TBC-04 Each pair of clips comes with M2.5 x 4mm set screw and Allen key

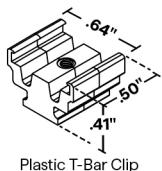


## VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

### MOUNTING CONTINUED

TBC-05



Use on 9/16" Regular Drop Ceiling or  
with Louver 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-05

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

### 13 FINISH



Satin

Black

Bronze

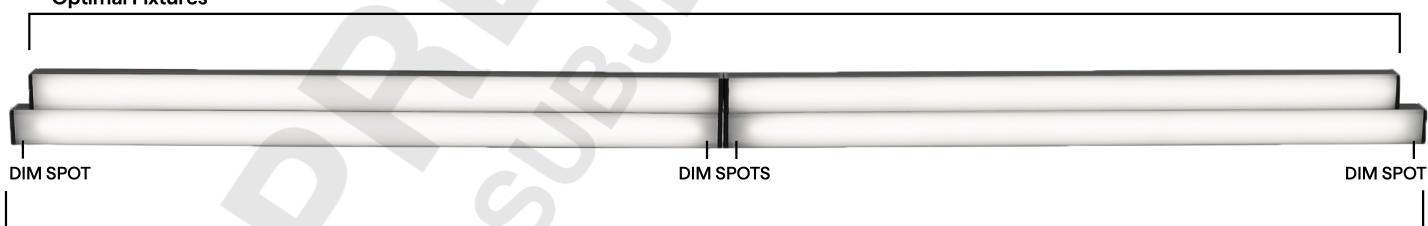
White

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



#### Exact Fixtures



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

24VDC Linear Fixtures - Surface & Recessed

## DW-HE DRY, DMP 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	S3 & S4	P3 & P4	
12"	S1 IN End Feed	S2 IN Bottom Feed	P1 OUT End Feed	P2 OUT Bottom Feed	
13"	10.59"	12.59"	12.94"	12.49"	12.59"
14"	12.59"	12.59"	12.94"	12.49"	12.59"
15"	14.59"	14.59"	14.94"	14.49"	14.59"
16"	14.59"	14.59"	14.94"	14.49"	14.59"
17"	16.59"	16.59"	16.94"	16.49"	16.59"
18"	16.59"	16.59"	16.94"	16.49"	16.59"
19"	18.59"	18.59"	18.94"	18.49"	18.59"
20"	18.59"	18.59"	18.94"	18.49"	18.59"
21"	20.59"	20.59"	20.94"	20.49"	20.59"
22"	20.59"	20.59"	20.94"	20.49"	20.59"
23"	22.59"	22.59"	22.94"	22.49"	22.59"
24"	22.59"	22.59"	22.94"	22.49"	22.59"
36"	34.59"	34.59"	34.94"	34.49"	34.59"
48"	46.59"	46.59"	46.94"	46.49"	46.59"
60"	58.59"	58.59"	58.94"	58.49"	58.59"
72"	70.59"	70.59"	70.94"	70.49"	70.59"
84"	82.59"	82.59"	82.94"	82.49"	82.59"
96"	94.59"	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  $+/- 5\%$  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

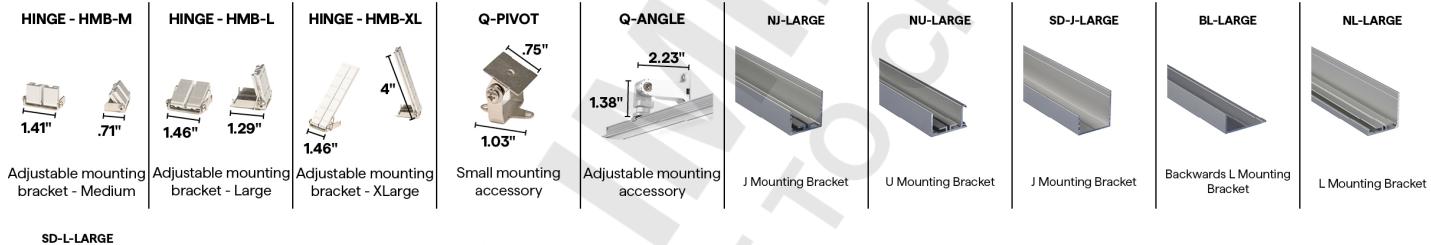


# VERS-NANO-LOUVER (11) FOR TUNABLE APPLICATIONS

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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



HINGE - HMB-M      HINGE - HMB-L      HINGE - HMB-XL      Q-PIVOT      Q-ANGLE      NJ-LARGE      NU-LARGE      SD-J-LARGE      BL-LARGE      NL-LARGE

Adjustable mounting bracket - Medium

Adjustable mounting bracket - Large

Adjustable mounting bracket - XLarge

Small mounting accessory

Adjustable mounting accessory

J Mounting Bracket

U Mounting Bracket

J Mounting Bracket

Backwards L Mounting Bracket

L Mounting Bracket

SD-L-LARGE



L Mounting Bracket

## 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

PRELIMINARY  
SUBJECT TO CHANGE