



VERS-GRAZER (04) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed



Declare.

- Optically enhanced VERSatile fixture with narrow grazing properties ranging from 12° to 36°
- The high-quality lens features a proprietary diffusing agent for superior beam control and clean edges
- 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
- Consult factory for field assembly options
- Can be suitable for exterior use when specified as wet, contact factory for more information
- Optional external louver accessory available in white or black for added glare control

1 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 LENS	6 EXTERNAL 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

Sample Part Number: VERS-04-DW-2.5HE-20/30-DRY-GZR-L1-BK-P1-BW-BW-BK-CL2-CC-BK-48"-E

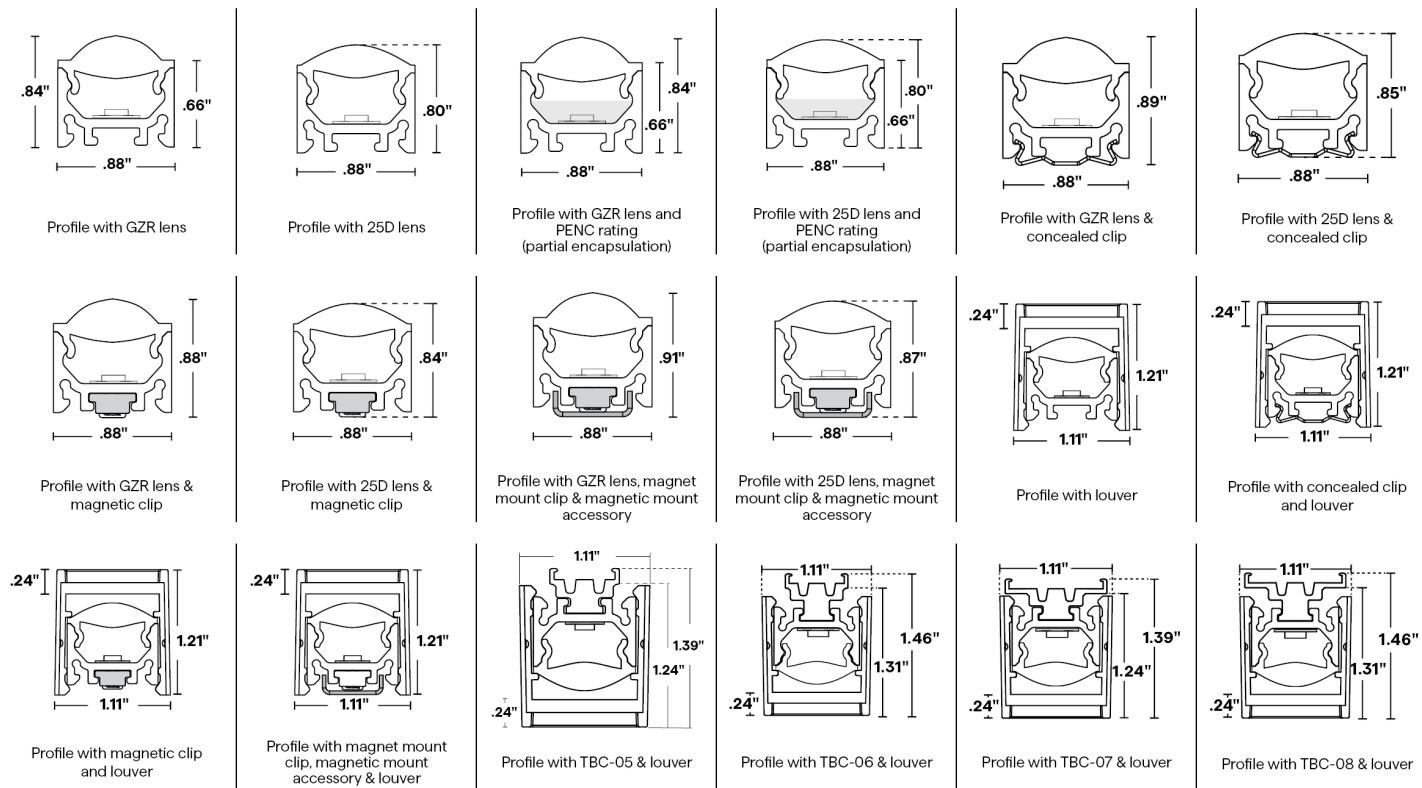
1 PRODUCT VERS-04-DW VERS-04-DW-USA Select USA option for BAA and BABA projects. Only DRY, PENC, or WET ratings apply. LED engine is built with 3 wires requiring 0-10V, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See following pages for compatible power supplies.	2 WATTS/FT 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 1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE	3 CCT 20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K 24/30 2400K/3000K 27/40 2700K/4000K 20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K	4 RATED DRY IP20 DMP IP54 PENC IP67 WET IP67	5 LENS 25D GZR Optical 25° Grazer 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 S1 Single 1 (Input only) - End Feed S2 Single 2 (Input only) - Bottom Feed S3 Single 3 (Input only) - Left Side Feed S4 Single 4 (Input only) - Right Side Feed P1 Pass Through 1 (Input/output) - End Feed P2 Pass Through 2 (Input/output) - Bottom Feed P3 Pass Through 3 (Input/output) - Left Side Feed P4 Pass Through 4 (Input/output) - Right Side Feed	8 CONNECTOR/WIRE IN BW CON6 CON24 Bare Wire (Standard 36") Connector 6" Connector 24" BW CON6 CON24 Bare Wire (Standard 36") Connector 6" Connector 24"	9 CONNECTOR/WIRE OUT CLS Closed End (No feed) BW CON6 CON24 Bare Wire (Standard 36") Connector 6" Connector 24"	10 WIRE COLOR WH White BK Black		
When using TBC Mounting, a bare wire S2 wire feed is recommended. See install instructions for details.	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)			
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 finishes are incompatible with external louvers; custom finishes have longer lead times. Non-RAL 9003 whites custom.	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-GRAZER (04) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

1 PRODUCT - DIMENSIONS



2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with VERS-04-DW-**-**-DRY

	1.5HE W/FT		2.5HE W/FT		4.0HE W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
GZR	169	98	266	98	411	98
25D	162	98	256	98	385	98



VERS-GRAZER (04) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

5 DIODE VISIBILITY

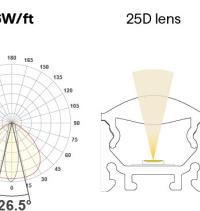
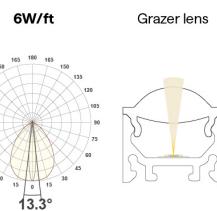


Optical lens

GZER - Grazer lens

PHOTOMETRIC PERFORMANCE

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

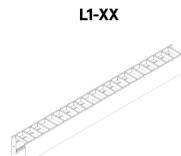
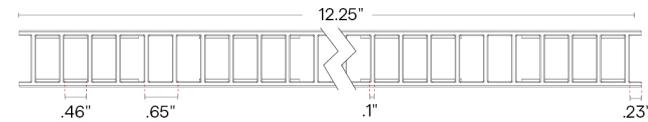


TEMPERATURE RATINGS

		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	—	—	—	—
WET	Ambient Operating Temp - Surface	-4°F	140°F	-4°F	130°F	-4°F	130°F	-4°F	115°F	—	—	—	—
PENC	Ambient Operating Temp - Surface	-4°F	135°F	-4°F	120°F	-4°F	125°F	-4°F	105°F	—	—	—	—

6 EXTERNAL LOUVER

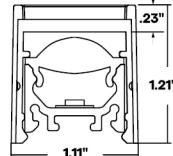
PLASTIC



Lumen Multiplier
WH BK

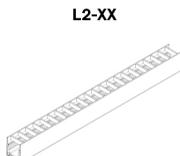
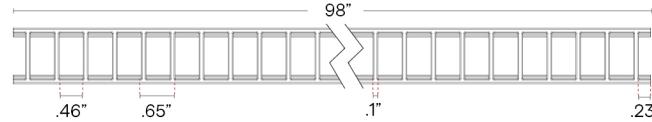


0.71 0.48

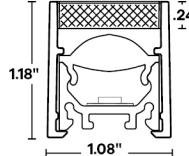


Profile with plastic louver

METAL



Lumen Multiplier
WH BK ST



Profile with metal louver

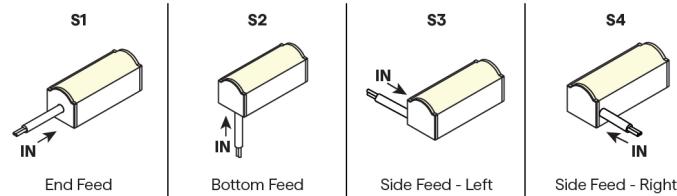


VERS-GRAZER (04) FOR TUNABLE APPLICATIONS

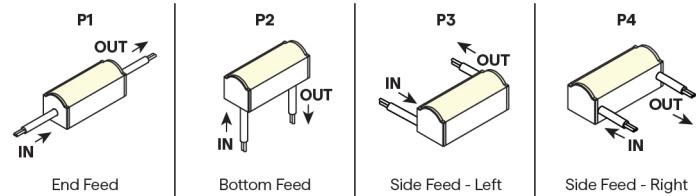
24VDC Linear Fixtures - Surface & Recessed

7 WIRE INPUT/OUTPUT

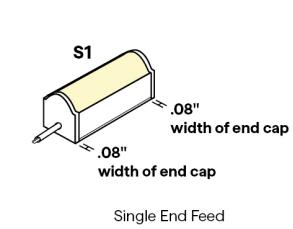
SINGLE (Input only)



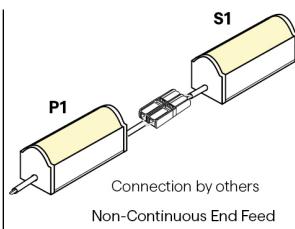
PASS THROUGH (Input/Output)



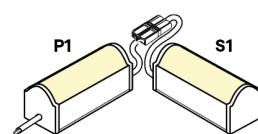
CONFIGURATION OPTIONS



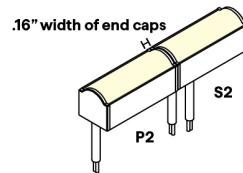
Single End Feed



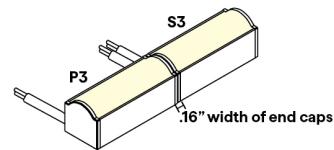
Non-Continuous End Feed



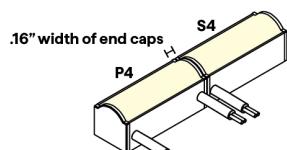
Non-Continuous Corner Feed



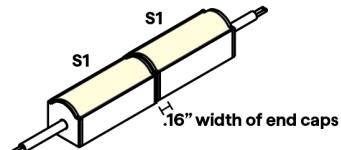
Continuous Bottom Feed



Continuous Side Feed - Left



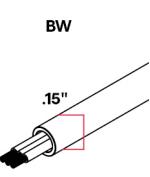
Continuous Side Feed - Right



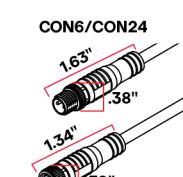
Continuous End to End Feed

8 / 9 CONNECTOR/WIRE – IN/OUT

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



22 AWG



Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

10 WIRE COLOR



White

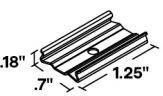
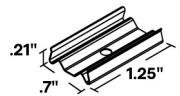
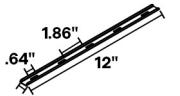
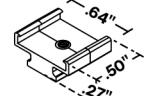
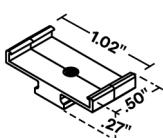
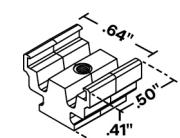
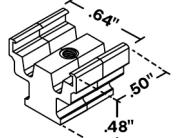
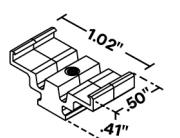
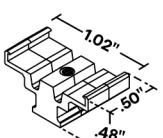
Black



VERS-GRAZER (04) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

12 MOUNTING

 <p>CC (CC-01)</p> <p>Concealed Clip</p> <p>Required if L1 or L2 Louver is selected</p> <p>2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'</p> <p>To order separately use CC-01 (sold in pairs)</p> <p>Each clip comes with a #4 x 5/8" Flat Head screw.</p>	 <p>CC (CC-02)</p> <p>Louver Concealed Clip</p> <p>Required if L1 or L2 Louver is selected</p> <p>2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'</p> <p>To order separately use CC-02 (sold in pairs)</p> <p>Each clip comes with a #4 x 5/8" Flat Head screw.</p>	 <p>MG</p> <p>One MG provided per foot</p> <p>To order separately use MG-02</p>	 <p>MMA-02</p> <p>Sold separately, to order use MMA-02</p> <p>Each clip comes with a #6 Flat Screw</p> <p>Required when mounting to a non-magnetic surface</p>	 <p>TBC-03</p> <p>Use on 9/16" Flat Drop Ceiling; not compatible with PENC</p> <p>2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1T-Bar Mounting Jig included with each fixture.</p> <p>To order separately use TBC-03</p> <p>Each pair of clips comes with M2.5 x 4mm set screw and Allen key</p>
 <p>TBC-04</p> <p>Plastic T-Bar Clip</p> <p>Use on 15/16" Flat or Tegular Drop Ceiling; not compatible with PENC</p> <p>2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1T-Bar Mounting Jig included with each fixture.</p> <p>To order separately use TBC-04</p> <p>Each pair of clips comes with M2.5 x 4mm set screw and Allen key</p>	 <p>TBC-05</p> <p>Plastic T-Bar Clip</p> <p>Use on 9/16" Tegular Drop Ceiling or with Louver on 9/16" Flat Drop Ceiling; not compatible with PENC</p> <p>2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1T-Bar Mounting Jig included with each fixture.</p> <p>To order separately use TBC-05</p> <p>Each pair of clips comes with M2.5 x 4mm set screw and Allen key</p>	 <p>TBC-06</p> <p>Plastic T-Bar Clip</p> <p>Use with Louver on 9/16" Tegular Drop Ceiling; not compatible with PENC</p> <p>2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1T-Bar Mounting Jig included with each fixture.</p> <p>To order separately use TBC-06</p> <p>Each pair of clips comes with M2.5 x 4mm set screw and Allen key</p>	 <p>TBC-07</p> <p>Plastic T-Bar Clip</p> <p>Use with Louver on 15/16" Flat Drop Ceiling; not compatible with PENC</p> <p>2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1T-Bar Mounting Jig included with each fixture.</p> <p>To order separately use TBC-07</p> <p>Each pair of clips comes with M2.5 x 4mm set screw and Allen key</p>	 <p>TBC-08</p> <p>Plastic T-Bar Clip</p> <p>Use with Louver on 15/16" Tegular Drop Ceiling; not compatible with PENC</p> <p>2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1T-Bar Mounting Jig included with each fixture.</p> <p>To order separately use TBC-08</p> <p>Each pair of clips comes with M2.5 x 4mm set screw and Allen key</p>

13 FINISH



Satin

Black

Bronze

White

Custom finishes require a longer lead time, consult factory

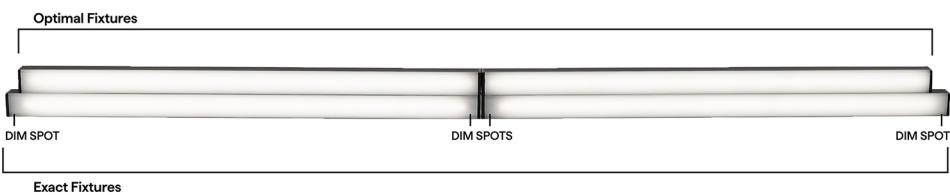


VERS-GRAZER (04) FOR TUNABLE APPLICATIONS

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 DMP LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture	
	S1	End Feed
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	S1 & S2		P1 & P2		S3 & S4		P3 & P4	
	S1	S2	P1	P2	S3	S4	P3	P4
12"	10.59"	10.94"	10.49"	10.49"	10.59"	10.59"	10.59"	10.59"
13"	12.59"	12.94"	12.49"	12.49"	12.59"	12.59"	12.59"	12.59"
14"	12.59"	12.94"	12.49"	12.49"	12.59"	12.59"	12.59"	12.59"
15"	14.59"	14.94"	14.49"	14.49"	14.59"	14.59"	14.59"	14.59"
16"	14.59"	14.94"	14.49"	14.49"	14.59"	14.59"	14.59"	14.59"
17"	16.59"	16.94"	16.49"	16.49"	16.59"	16.59"	16.59"	16.59"
18"	16.59"	16.94"	16.49"	16.49"	16.59"	16.59"	16.59"	16.59"
19"	18.59"	18.94"	18.49"	18.49"	18.59"	18.59"	18.59"	18.59"
20"	18.59"	18.94"	18.49"	18.49"	18.59"	18.59"	18.59"	18.59"
21"	20.59"	20.94"	20.49"	20.49"	20.59"	20.59"	20.59"	20.59"
22"	20.59"	20.94"	20.49"	20.49"	20.59"	20.59"	20.59"	20.59"
23"	22.59"	22.94"	22.49"	22.49"	22.59"	22.59"	22.59"	22.59"
24"	22.59"	22.94"	22.49"	22.49"	22.59"	22.59"	22.59"	22.59"
36"	34.59"	34.94"	34.49"	34.49"	34.59"	34.59"	34.59"	34.59"
48"	46.59"	46.94"	46.49"	46.49"	46.59"	46.59"	46.59"	46.59"
60"	58.59"	58.94"	58.49"	58.49"	58.59"	58.59"	58.59"	58.59"
72"	70.59"	70.94"	70.49"	70.49"	70.59"	70.59"	70.59"	70.59"
84"	82.59"	82.94"	82.49"	82.49"	82.59"	82.59"	82.59"	82.59"
96"	94.59"	94.94"	94.49"	94.49"	94.59"	94.59"	94.59"	94.59"



VERS-GRAZER (04) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

DW-HE WET 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	S1 & S2		P1 & P2		S3 & S4		P3 & P4	
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed	S3 Side Feed - Left	S4 Side Feed - Right	P3 Side Feed - Left	P4 Side Feed - Right
12"	10.74"		11.14"		10.64"		10.84"	
13"	12.74"		11.14"		12.64"		12.84"	
14"	12.74"		13.14"		12.64"		12.84"	
15"	14.74"		13.14"		14.64"		14.84"	
16"	14.74"		15.14"		14.64"		14.84"	
17"	16.74"		15.14"		16.64"		16.84"	
18"	16.74"		17.14"		16.64"		16.84"	
19"	18.74"		17.14"		18.64"		18.84"	
20"	18.74"		19.14"		18.64"		18.84"	
21"	20.74"		19.14"		20.64"		20.84"	
22"	20.74"		21.14"		20.64"		20.84"	
23"	22.74"		21.14"		22.64"		22.84"	
24"	22.74"		23.14"		22.64"		22.84"	
36"	34.74"		35.14"		34.64"		34.84"	
48"	46.74"		47.14"		46.64"		46.84"	
60"	58.74"		59.14"		58.64"		58.84"	
72"	70.74"		71.14"		70.64"		70.84"	
84"	82.74"		83.14"		82.64"		82.84"	
96"	94.74"		95.14"		94.64"		94.84"	

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 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	Q-SET-QZ-DMX QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+TW QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle	

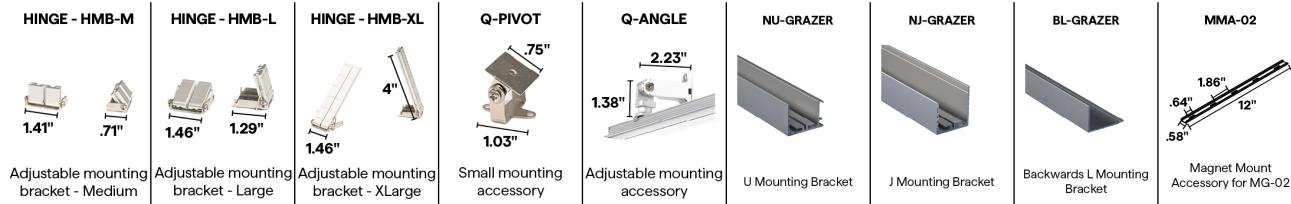


VERS-GRAZER (04) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

DIMMING PROTOCOL	INDOOR	OUTDOOR
	DW-HE Tunable Applications	DW-HE Tunable Applications
0-10V	QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN	QOM-eLED+TW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN	
DMX LED wattage must be doubled for DW-HE products	QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6	QOM-eLED+DALI-DT6
DALI-2: DT8 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	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 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)

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth Connectivity



VERS-GRAZER (04) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage