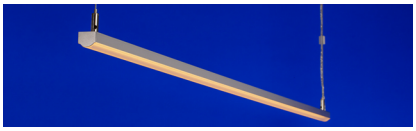
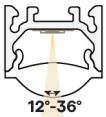
# VERS-GRAZER-SK (04) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Suspended






- 80 Suspension Kit configurations allow fixture to be seamlessly incorporated into any interior
- Create long, continuous lines of light with easy-to-use inline bracket and double feed joiner connectors
- Optically enhanced VERSatile fixture with 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 and durable anodized aluminum housings
- White Optics, an internal coating that results in greater lumen output, comes standard in all VERS fixtures
- Consult factory for field assembly options
- 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | S2 | BW | CLS | SV | AWM | SK | | | |

Sample Part Number: **VERS-04-WD-6.0-19/30-DRY-GZR-L1-BK-P1-CON6-CON6-BK-CL2-MG-BK-48"-E**

## 1 PRODUCT

**VERS-04-SK-DW**
**VERS-04-SK-DW-USA**

Select USA option for BAA and BABA projects.

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.

**VERS-04-SK-WD**

LED engine is built with 2 wires suitable for phase dimming control. 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

**6.0** 6.0W/ft

## 3 CCT

**18/30** 1800K/3000K
**18/35** 1800K/3500K
**20/27** 2000K/2700K
**20/30** 2000K/3000K
**24/40** 2400K/4000K
**27/40** 2700K/4000K
**27/55** 2700K/5500K

**18/30** 1800K/3000K
**18/35** 1800K/3500K
**20/27** 2000K/2700K
**20/30** 2000K/3000K
**24/40** 2400K/4000K
**27/40** 2700K/4000K
**27/55** 2700K/5500K

**19/27** 1900K/2700K
**19/30** 1900K/3000K

## 4 RATED

**DRY** IP20

**DMP** IP54

**DRY** IP20
**DMP** IP54

## 5 LENS

**25D** Optical 25°
**GZR** 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

**L2-ST** Satin Anodized Aluminum
**L2-BK** Black Anodized Aluminum
**L2-WH** White Powder Coated Aluminum
**N/A** No Louver

## 7 WIRE INPUT/OUTPUT

**S2** Single 2 (Input only) - Bottom Feed

## 8 CONNECTOR/WIRE IN

**BW** Bare Wire (Standard 36")

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

## 10 WIRE COLOR

**SV** Silver

## 11 WIRE TYPE

**AWM** Appliance Wiring Material

## 12 MOUNTING

**SK** Suspension Bracket

## 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 are the exact length specified +0 -1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.

PRELIMINARY SUBJECT TO CHANGE

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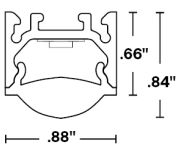
Specification subject to change. Rev-11-11-26

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

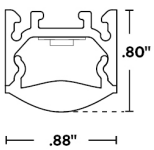
# VERS-GRAZER-SK (04) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Suspended

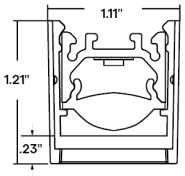
## 1 PRODUCT - DIMENSIONS




Profile with GZR lens




Profile with 25D lens




Profile with GZR & L1 Louver

## 2 DELIVERED LUMENS

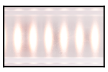
[Calculated L70 = 70000 hrs]
Tested with VERS-04-SK-DW-**-30-DRY

| | 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 |

[Calculated L70 = 70000 hrs]
Tested with VERS-04-SK-WD-**-30-DRY

| | 6.0 W/FT | |
|---|---|---|
| | LM/FT | CRI |
| GZR | 502 | 97 |
| 25D | 485 | 97 |

## 5 DIODE VISIBILITY

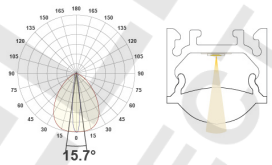


Optical lens

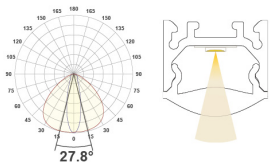
## PHOTOMETRIC PERFORMANCE

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

**6W/ft** Grazer lens




**6W/ft** 25D lens




## 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 | | WD 6.0 W/FT | |
| | | Min | Max | 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 | -4°F | 115°F |
| DMP | Ambient Operating Temp - Surface | -4°F | 145°F | -4°F | 135°F | -4°F | 135°F | -4°F | 120°F | — | — | — | — | -4°F | 115°F |

PRELIMINARY SUBJECT TO CHANGE

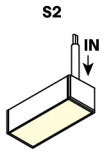
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# VERS-GRAZER-SK (04) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Suspended

## 7 WIRE INPUT/ OUTPUT

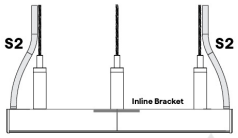
SINGLE (Input only)



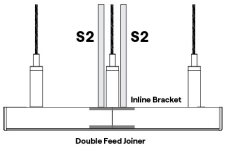

## CONFIGURATION OPTIONS




Single Feed




Continuous Row End Feeds

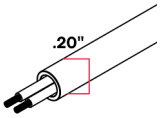



Continuous Row Center Feeds

## 8 / 9 CONNECTOR/WIRE – IN/OUT

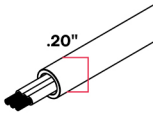
Connector/Wire In or Out not needed to specify product.

**BW**
For WD




Bare Wire 36" | 22 AWG
Clear outer jacket, metal shield

**BW**
For DW-HE

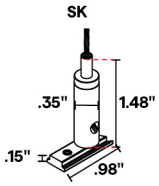



Bare Wire 36" | 22 AWG
Clear outer jacket, metal shield

## 10 WIRE COLOR

Silver

## 12 MOUNTING




Suspension Bracket

2 required up to 6' lengths; additional support required between 6' to 8'

## 13 FINISH

Satin
Black
Bronze
White

White and custom finishes are incompatible with external louvers; custom finishes have longer lead times. Non-RAL 9003 whites custom.

PRELIMINARY
SUBJECT TO CHANGE

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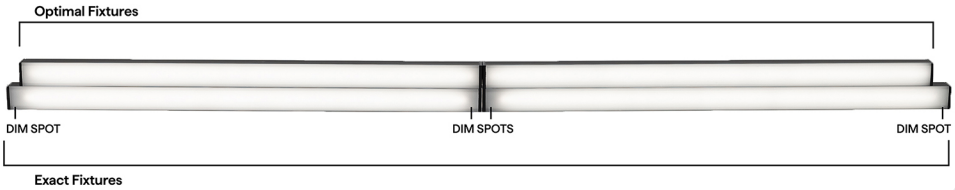
# VERS-GRAZER-SK (04) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Suspended

## 15 EXACT/OPTIMAL FIXTURE LENGTH

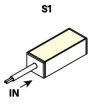
E/O Length Calculator → E/O Explained →

Exact fixtures are the exact length specified +0 -1/8". 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.

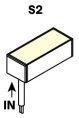



## DW-HE DRY DMP LENGTHS BY INCH

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture   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 | S2   Bottom Feed |
|---|---|
| 12" | 10.59" |
| 13" | 12.59" |
| 14" | 12.59" |
| 15" | 14.59" |
| 16" | 14.59" |
| 17" | 16.59" |
| 18" | 16.59" |
| 19" | 18.59" |
| 20" | 18.59" |
| 21" | 20.59" |
| 22" | 20.59" |
| 23" | 22.59" |
| 24" | 22.59" |
| 36" | 34.59" |
| 48" | 46.59" |
| 60" | 58.59" |
| 72" | 70.59" |
| 84" | 82.59" |
| 96" | 94.59" |

PRELIMINARY
SUBJECT TO CHANGE

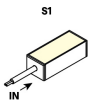
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# VERS-GRAZER-SK (04) FOR WARM DIM APPLICATIONS

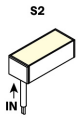
24VDC Linear Fixtures - Suspended

## WD DRY DMP LENGTHS BY INCH

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture   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 | S2   Bottom Feed |
|---|---|
| 12" | 10.49" |
| 13" | 12.49" |
| 14" | 12.49" |
| 15" | 14.49" |
| 16" | 14.49" |
| 17" | 16.49" |
| 18" | 16.49" |
| 19" | 18.49" |
| 20" | 18.49" |
| 21" | 20.49" |
| 22" | 20.49" |
| 23" | 22.49" |
| 24" | 22.49" |
| 36" | 34.49" |
| 48" | 46.49" |
| 60" | 58.49" |
| 72" | 70.49" |
| 84" | 82.49" |
| 96" | 94.49" |

## 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 Warm Dim Applications | WD |
| 0.1% | QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DALI-DT8-AWN<br>QT-CAB-eLED+WD<br>QT-CAB-eLED+WD-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+WD<br>QTM-eLED+WD-AWN<br>QZ-DW | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-BOWTIE+DIMMER<br>QZ-DMX<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP |
| 1% | QZ-DALI-DT8 | QTM-eLED(E)<br>QZ-DALI-DT6 |
| 10% | Non-Dim Power Supply with WD App Dongle | Non-Dim Power Supply with SW App Dongle |

PRELIMINARY SUBJECT TO CHANGE

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# VERS-GRAZER-SK (04) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Suspended

| DIMMING PROTOCOL | INDOOR | |
|---|---|---|
| | **DW-HE Warm Dim Applications** | **WD** |
| **Phase** | QZ-DW | QT-CAB-QZ-PH/0-10V<br>QTM-eLED(E)<br>QZ-BOWTIE+DIMMER<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP |
| **0-10V** | QT-CAB-eLED+WD<br>QT-CAB-eLED+WD-AWN<br>QTM-eLED+WD<br>QTM-eLED+WD-AWN<br>QZ-DW | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QTM-eLED+0-10V<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP |
| **Lutron Athena** | QT-CAB-eLED+DALI-DT8-AWN<br>QT-CAB-eLED+WD-AWN<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+WD-AWN | QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+DALI-DT6-AWN |
| **ECO System** | | QTM-eLED(E) |
| **DMX**<br>If using DW LED, wattage must be doubled | | QZ-DMX |
| **DALI-2: DT6**<br>If using DW LED, wattage must be doubled except for AWN | QT-CAB-eLED+DALI-DT6<br>QTM-eLED+DALI-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 |
| **DALI-2: DT8**<br>If using DW LED, wattage must be doubled 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 WD App Dongle | Non-Dim Power Supply with SW App Dongle |

PRELIMINARY
SUBJECT TO CHANGE

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