# VERS-OPTICS (05) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed






- Optically enhanced VERSatile fixture provides precision beam control for when precision lighting is needed
- 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
- 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | DRY | | | | | | | | | | | |

Sample Part Number: **VERS-05-DW-2.5HE-20/30-DRY-40D-L1-BK-P1-BW-BW-BK-CL2-CC-BK-48"-E**

## 1 PRODUCT

**VERS-05-DW**
**VERS-05-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.

## 2 WATTS/FT

| | |
|---|---|
| **1.5HE** | 1.5W/ft HE |
| **2.5HE** | 2.5W/ft HE |
| **4.0HE** | 4.0W/ft HE |

## 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 |

## 4 RATED

| | |
|---|---|
| **DRY** | IP20 |

## 5 LENS

| | |
|---|---|
| **40D** | Optical 40° |
| **50D** | Optical 50° |

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 |

When using TBC Mounting, a bare wire S2 wire feed is recommended. See install instructions for details.

## 8 CONNECTOR/WIRE IN

| | |
|---|---|
| **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)

## 9 CONNECTOR/WIRE OUT

| | |
|---|---|
| **CLS** | Closed End (No feed) |
| **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)

## 10 WIRE COLOR

| | |
|---|---|
| **WH** | White |
| **BK** | Black |

## 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 are 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.

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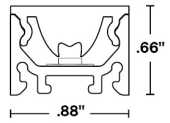
Specification subject to change. Rev-11-11-26

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

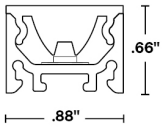
# VERS-OPTICS (05) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

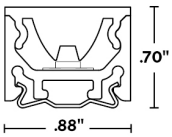
## 1 PRODUCT - DIMENSIONS



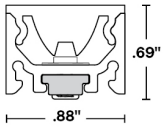

Profile with 40D lens



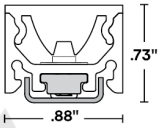

Profile with 50D lens



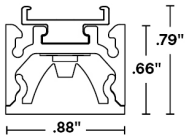

Profile with concealed clip



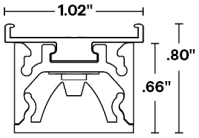

Profile with magnetic clip



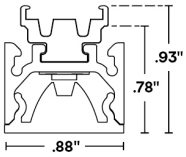

Profile with magnet mount clip & magnetic mount accessory



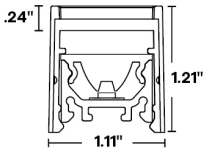

Profile with TBC-03



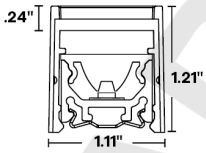

Profile with TBC-04



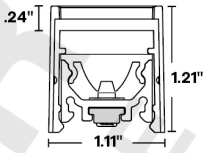

Profile with TBC-05



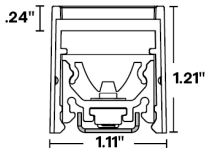

Profile with louver



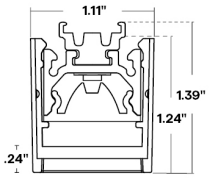

Profile with concealed clip and louver



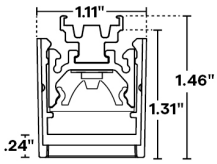

Profile with magnet mount clip and louver



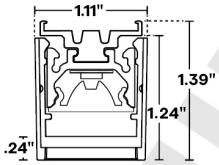

Profile with magnet mount clip, magnetic mount accessory & louver



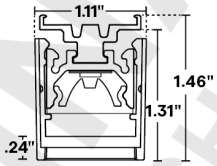

Profile with TBC-05 & louver




Profile with TBC-06 & louver




Profile with TBC-07 & louver



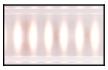

Profile with TBC-08 & louver

## 2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with VERS-05-DW-**-**-DRY

| | 1.5HE W/FT | | 2.5HE W/FT | | 4.0HE W/FT | |
|---|---|---|---|---|---|---|
| | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI |
| 40D | 159 | 98 | 247 | 98 | 384 | 98 |
| 50D | 163 | 98 | 258 | 98 | 398 | 98 |

## 5 DIODE VISIBILITY

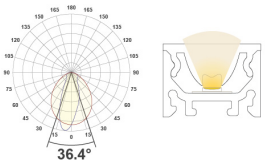


Optical lens

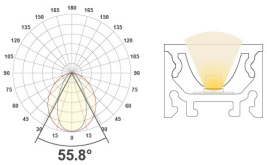
## PHOTOMETRIC PERFORMANCE

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

**6W/ft** 40D lens




**6W/ft** 50D lens




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# VERS-OPTICS (05) FOR TUNABLE APPLICATIONS

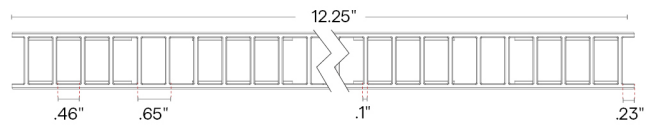
24VDC Linear Fixtures - Surface & Recessed

## TEMPERATURE RATINGS

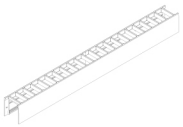
| | | DW 1.5 HE W/FT | | DW 3.0 HE W/FT | | DW 2.5 HE W/FT | | DW 5.0 HE W/FT | | DW 4.0 HE W/FT | | DW 8.0 HE W/FT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | QTL power supply other than DALI, DMX | | DALI, DMX, or non-QTL power supply | | QTL power supply other than DALI, DMX | | 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 | 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 | 145°F | -4°F | 135°F | -4°F | 135°F | -4°F | 120°F | — | — | — | — |

## 6 EXTERNAL LOUVER

**PLASTIC**

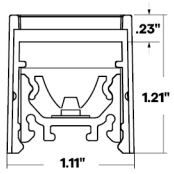



**L1-XX**



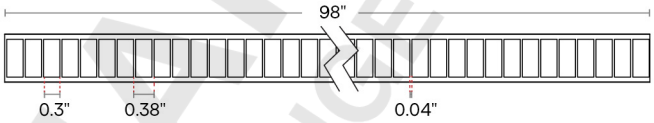
Lumen Multiplier

| WH | BK |
|---|---|
| 0.71 | 0.48 |




Profile with plastic louver

**METAL**

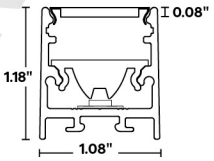



**L2-XX**



Lumen Multiplier

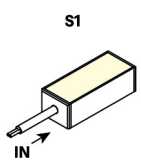
| WH | BK | ST |
|---|---|---|
| 0.64 | 0.39 | 0.59 |



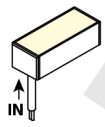

Profile with metal louver

## 7 WIRE INPUT/OUTPUT

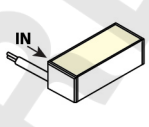
SINGLE (Input only)



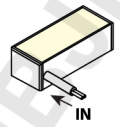

End Feed




Bottom Feed

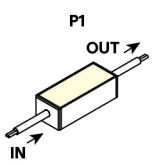



Side Feed - Left

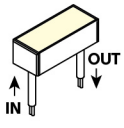



Side Feed - Right

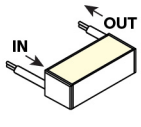
PASS THROUGH (Input/Output)



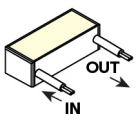

End Feed




Bottom Feed




Side Feed - Left




Side Feed - Right

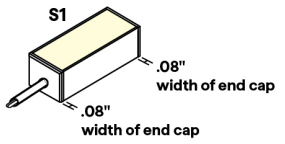
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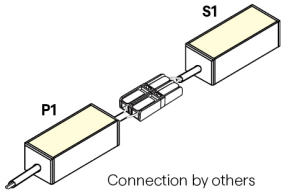
# VERS-OPTICS (05) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## CONFIGURATION OPTIONS

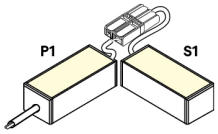



Single End Feed



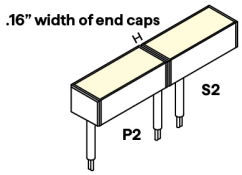

Connection by others

Non-Continuous End Feed

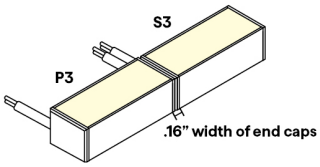



Connection by others

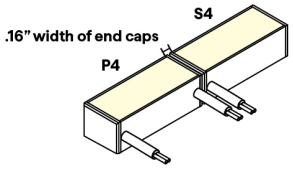
Non-Continuous Corner Feed



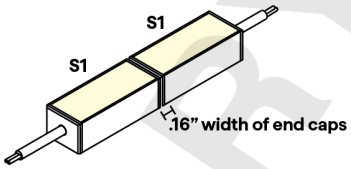

Continuous Bottom Feed




Continuous Side Feed - Left




Continuous Side Feed - Right

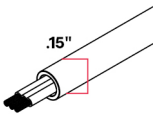



Continuous End to End Feed

## 8/9 CONNECTOR/WIRE – IN/OUT

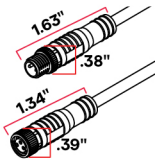
Connector/Wire In or Out not needed to specify product.

**BW**



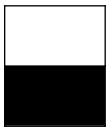

Bare Wire 36"
22 AWG

**CON6/CON24**




6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

## 10 WIRE COLOR

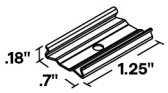


White

Black

## 12 MOUNTING

**CC**
(CC-01)



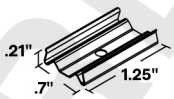

Concealed Clip

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.

**CC**
(CC-02)




Louver Concealed Clip
Required if L1 or L2 Louver is selected

2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'

To order separately use CC-02 (sold in pairs)

Each clips comes with a #4 x 5/8" Flat Head screw.

**MG**

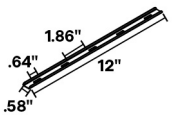



Magnet Clip

One MG provided per foot

To order separately use MG-02

**MMA-02**



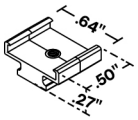

Magnet Mount
Accessory for MG-02

Sold separately, to order use MMA-02

Each clip comes with a #6 Flat Screw

Required when mounting to a non-magnetic surface

**TBC-03**




Plastic T-Bar Clip

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

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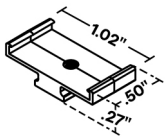
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# VERS-OPTICS (05) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## MOUNTING CONTINUED

**TBC-04**




Plastic T-Bar Clip

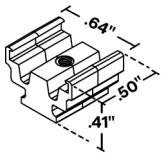
Use on 15/16" Flat or Tegular Drop Ceiling

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-04

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

**TBC-05**




Plastic T-Bar Clip

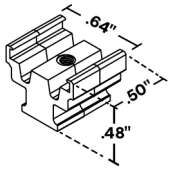
Use on 9/16" Tegular Drop Ceiling

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

**TBC-06**




Plastic T-Bar Clip

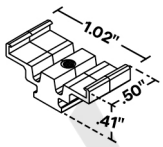
Use with Louver on 9/16" Tegular Drop Ceiling

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-06

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

**TBC-07**




Plastic T-Bar Clip

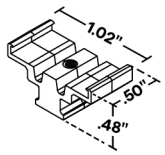
Use with Louver on 15/16" Flat Drop Ceiling

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-07

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

**TBC-08**




Plastic T-Bar Clip

Use with Louver on 15/16" 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-08

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

## 13 FINISH



Satin

Black

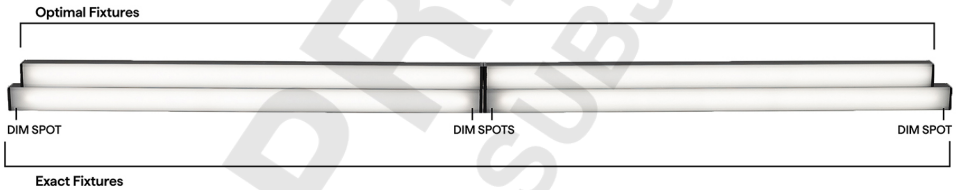
Bronze

White

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

## 15 EXACT/OPTIMAL FIXTURE LENGTH

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.




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# VERS-OPTICS (05) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## COMPATIBLE POWER SUPPLIES

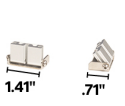
See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

| DIM TO LEVEL | INDOOR |
|---|---|
| | DW-HE Tunable Applications |
| 0.1% | QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DALI-DT8-AWN<br>QT-CAB-eLED+TW<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+TW<br>QZ-DMX |
| 1% | QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with TW App Dongle |

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

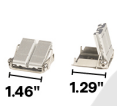
## COMPATIBLE MOUNTING ACCESSORIES

**HINGE - HMB-M**




Adjustable mounting bracket - Medium

**HINGE - HMB-L**




Adjustable mounting bracket - Large

**HINGE - HMB-XL**




Adjustable mounting bracket - XLarge

**Q-PIVOT**



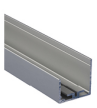

Small mounting accessory

**Q-ANGLE**




Adjustable mounting accessory

**NJ-LARGE**



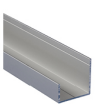
J Mounting Bracket

**NU-LARGE**



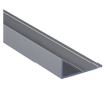
U Mounting Bracket

**SD-J-LARGE**



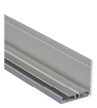
J Mounting Bracket

**BL-LARGE**



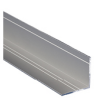
Backwards L Mounting Bracket

**NL-LARGE**



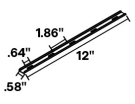
L Mounting Bracket

**SD-L-LARGE**



L Mounting Bracket

**MMA-02**




Magnet Mount Accessory for MG-02

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