

Vandal 1X1 Troffers: VL-F-1X1-LED

1x1 High Efficiency LED Recessed Luminaire

- **IP65 Rating**
- **Polycarbonate Lensing up to 1/2" thick**
- **Suitable for Use in Wet Locations**
- **Up to 4400 lm Delivered**
- **Shallow housing only 3" deep**
- **Heavy duty seam welded construction made of 16Ga steel**
- **Suitable for recessed flange installation**
- **B.A.A. & B.A.B.A Compliant & Made in the USA by a Family Owned US Corporation**



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ORDERING GUIDE

| Series | Material | Size | Source | CCT/CRI | Voltage | Outer Lens/Inner Lens | Options |
|-------------|--|----------------------|------------|------------------|--|--|---|
| VL-F | | 1x1 | | | | | |
| Series | Material | Size | Source | CCT/CRI | Voltage | Outer Lens/Inner Lens | Options |
| VL-F | 1 White CRS Hsg. & White CRS Door | 1x1 Nominal 1x1 Hsg. | LO | 83 CRI: | 120V | Prismatic | SW Wet Location Hub Supplied (not installed) |
| | | | MED | 830 3000K | 277V | 1 .125" P12 Prismatic Poly | PxL * Programmed to User Specified Lumen Value. |
| | | | HI | 835 3500K | UNV | 2 .125" P12 Prismatic Acrylic | PxW * Programmed to User Specified Wattage Value. |
| | 2 White CRS Hsg. & Polished 304 SS Door | | | 840 4000K | 347V* | 3 .156" P12 Prismatic Acrylic | 10KV 10KV Parallel Surge Protection (One Supplied Per Circuit) |
| | | | | 850 5000K | | | WHIP Must Specify Length and Wire Qty |
| | 3 White 304 SS Hsg. & Polished 304 SS Door | | | 90+ CRI: | *347V Available with 10% dimming, not all options are compatible with 347V | Non-Prismatic | FC Fuse & Holder |
| | | | | 930 3000K | | 4 .125" Frosted Flat Poly | EDL -40F Electronic Driver |
| | | | | 935 3500K | | 5 .125" Clear Flat Poly | WHT White Finished Door & HSG |
| | | | | 940 4000K | | 6 .187" Clear Flat Poly | AMW Anti-Microbial White Powdercoat |
| | | | | | | 7 .250" Clear Flat Poly | AH Allen Head with Center Pin Reject Screws |
| | | | | | | | EM7 7W EM Battery Pack |
| | | | | | | *Select up to 1 layer of prismatic lensing | *Note: Specify value in ordering notes |

Ordering Notes, If Applicable

Vandal 1X1 Troffers

1x1 High Efficiency LED Luminaire for Surface and Recessed Installations

SPECIFICATIONS

HOUSING: Hole free construction and robotically Seam welded 16Ga Stainless Steel or CRS enclosure.

DOOR FRAME: 16-gauge CRS or type 304 stainless steel one piece inset door frame hinged to housing with stainless steel cable. Door frame secured with four Torx Head with Center Pin Reject Stainless steel Screws. see options for other screw choices.

GASKETS: Closed cell 100% pure neoprene gasket with vulcanized corners making a one-piece oil and solvent resistant gasket system.

OPTICS: Available in Prismatic and flat polycarbonate lensing. specify up to 2 lenses for a combined thickness of 1/2" max.

LEDs: LED boards are available in 80 or 90 CRI, 3000K, 3500K, or 4000K in 3 standard lumen output levels.

DRIVERS: Class P, Class 2, 0-10v 1% dimming driver standard. see options for low ambient temp availability.

REFLECTOR: Die formed metal with high reflectance white polyester powder coat finish. Typical reflectivity 92%.

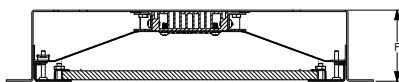
INSTALLATION: Recessed flange fixtures are installed with (1) yoke mounting kits including yokes, carriage bolts, nuts, & gasketed washers. Supply entry via 1/2" trade size flattened and silicone sealed knockouts for Non-IC installation.

FINISH: Stainless steel door frames are satin polished unless WHT or AMW options are selected. All other materials are provided with gloss high reflectance white polyester powdercoat with 1000hr salt spray test per ASTM B117. AMW option provides a white anti-microbial polyester powder coat to all exposed surfaces.

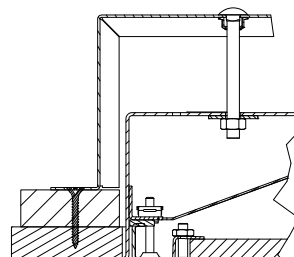
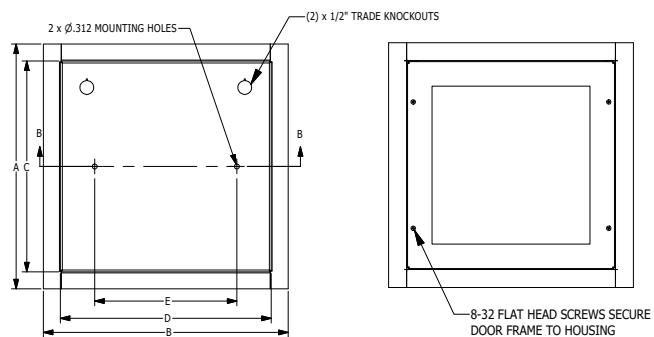
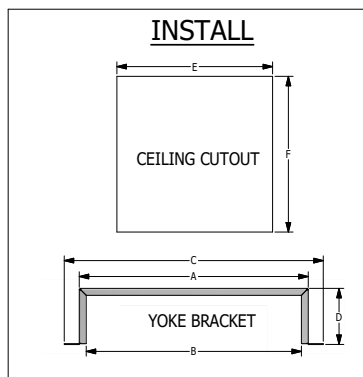
LISTINGS: IP65 rated for dust and water ingress. ETL listed per UL_1598 for wet locations. Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty. This product Series is both Build America Buy America (B.A.B.A.) & Buy American Act (B.A.A.) compliant.

PRODUCT DRAWINGS

| RECESSED 1X1 REFERENCE DIMENSIONS | | | | | | |
|-----------------------------------|--------|--------|--------|--------|--------|--------|
| DESCRIPTION | DIM A | DIM B | DIM C | DIM D | DIM E | DIM F |
| RECESSED | 15.50" | 15.50" | 13.38" | 13.38" | 9.00" | 3.00" |
| INSTALL | 14.50" | 13.63" | 16.40" | 3.55" | 13.50" | 13.50" |



SECTION B-B



08-AA-L-1X1 REC DWG DATE: 1/11/2021

Vandal 1X1 Troffers

1x1 High Efficiency LED Luminaire for Surface and Recessed Installations

ENERGY DATA

| 1X1 SURFACE AND RECESSED TROFFER | | | | | | | | | | |
|----------------------------------|---------------|---------------------|--------------------|-----------------------|---------------------|--------------------|-----------------------|------------------------------|-------------|------------------|
| FIXTURE SIZE | LIGHT PACKAGE | CLEAR LENS | | | FROST LENS | | | AMB TEMP RATING ⁴ | | STANDARD DIMMING |
| | | LUMENS ¹ | WATTS ² | EFFICACY ³ | LUMENS ¹ | WATTS ² | EFFICACY ³ | MIN | MAX | |
| 1X1 | LO | 2,300 | 20 | 115 | 2,114 | 20 | 106 | -20°C (-4°F) | 40°C(104°F) | 0-10V 1% |
| 1X1 | MID | 3,270 | 30 | 109 | 3,000 | 30 | 100 | -20°C (-4°F) | 40°C(104°F) | 0-10V 1% |
| 1X1 | HI | 4,840 | 45 | 108 | 4,445 | 45 | 99 | -20°C (-4°F) | 40°C(104°F) | 0-10V 1% |

¹ DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @25C WITH NO EXTRA OPTIONS. VARIANCES WILL OCCUR WITH ALTERNATE SELECTIONS

² WATTAGE IS MEASURED WITH 4000K SELECTION @ 120vAC AND Tambient = 25C. WATTAGES MAY VARY WITH ALTERNATE CONFIGURATIONS

³ EFFICACY CALCULATED USING 4000K CCT DATA.

⁴ MAX AMBIENT TEMP RATING. TEMP RATING MAY VARY WITH ALTERNATE SPECIFIED DRIVERS OR ANY NON STANDARD SELECTION

⁵ LUMEN OUTPUT OF 90 MINUTE 7W EMERGENCY DRIVER IS CALCULATED BASED ON EFFICACY (7W) * (EFFICACY) = DELIVERED LUMENS.

PHOTOMETRICS

P12 PRISMATIC LENSING

Key:

