

131 2' x 2'

Lensed Static Troffer, Grid Mount



FEATURES & SPECIFICATIONS

INTENDED USE

Specification grade, low profile troffer meets an almost limitless range of applications. Troffer is ideal for all commercial and industrial buildings requiring general illumination with recessed configurations.

SIZE W x L x H in inches (mm)

23.75W x 24.0L x 4.0Dp (600 x 610 x 100)

LAMP

2, 3, or 4 lamp positions.

MATERIALS & FEATURES

Housing is die-formed and embossed code 22 gage steel. Finish is high reflectance baked white enamel. Wiring knockouts are provided on back and end of housing. Ballast cover or reflector snaps into place; no tools required for ballast access. Lens is held with a hinged steel door frame; frame hinges downward on either side and is held closed by two positive cam latches. Premium, full specular reflectors are available as an option to increase efficiency or modify lighting distribution.

- POST PAINTED POWDER COAT FINISH
- Shallow design for low clearance plenums
- Clear 0.10thk A12 acrylic lens is standard; many options available.
- Flush steel hinges from either side; field reversible.
- Access plate to simplify installation

MOUNTING

Recessed inverted T-Bar ceilings. Grid mount.

LISTING

Fixture & Ballast: UL Listed

Ballast: Thermally protected, class P, HPF, Non PCB

TYPICAL OPTIONS AND ACCESSORIES

Emergency ballasts, whips, regressed doors, wire guards, frame kits, and lenses. See options page at the end of the T02Grid section, or contact factory for more details.

ORDERING INFORMATION

Example: 131 A 232U E120

| | | | | | | |
|---|---|----------|--|--|--|--|
| 131 | A | 2 | 32U | | E120 | |
| Series | Lamp Count | | Lamp Type [1] | | Ballast & Voltage [1] | |
| 131 Lensed Static Troffer, Grid Mount | 2, 3, or 4 Lamps Not included | | 20 24 in. T12 17 24 in. T8 14 23 in. T5 24 23 in. T5HO 32U T8 Ubend 6 in. leg 31U T8 Ubend 1.62 in. leg 40BX Biaxial (TT5) 2G11 4-Pin 40W | | E120 Electronic, 120V E277 Electronic, 277V MV Electronic, Multivolt (120-277) H120 [4] Electronic, 120V, Hi-Lume H277 [4] Electronic, 277V, Hi-Lume H MV [4] Electronic, Multivolt, Hi-Lume L120 [4] Electronic, 120V, Lo-Lume L277 [4] Electronic, 277V, Lo-Lume L MV [4] Electronic, Multivolt, Lo-Lume G120 [5] Line Dimming, 120 Volt G277 [5] Line Dimming, 277 Volt GMV [5] Line or 0-10V dimming, Multivolt | |
| | Lens Material [2] | | | Reflector [3] | | Options [1] |
| | A125 Prismatic Acrylic #12 Pattern MW Prismatic Acrylic #12 Pattern 1/8" SP1 Matte White Acrylic SP4 Specular Parabolic Louver 1/2" x 1/2" x 3/8" SP2 Specular Parabolic Louver 3/4" x 3/4" x 1/2" PLA Specular Parabolic Louver 1 1/2" x 1 1/2" x 1" White Cubed Acrylic Louver 1/2" x 1/2" x 3/8" | | | (blank) no reflector [3] M20 Mirrored reflector | | RA Regressed aluminum door, white RAB Regressed aluminum door, black WP 6 ft. 3 wire 18 gauge whip WP10 6 ft. 4 wire 18 gauge whip EM Emergency ballast, 500 lumens EM14 Emergency ballast, 1400 lumens |

Notes

- [1] See end of T02Grid for many additional lamps, ballasts, finishes, and options.
- [2] Many additional lens materials are available. Contact factory for additional information.
- [3] Custom reflectors available to create any light distribution.
- [4] HiLume and LoLume ballasts available for T8 lamps only.
- [5] Line dimming ballasts available for T8 & T5HO lamps only.
- [6] Magnetic ballasts available for T8 & T12 only.

EM14 ballast required for T5 & T5HO lamps

| |
|-----------------|
| Catalog Number: |
| Notes: |

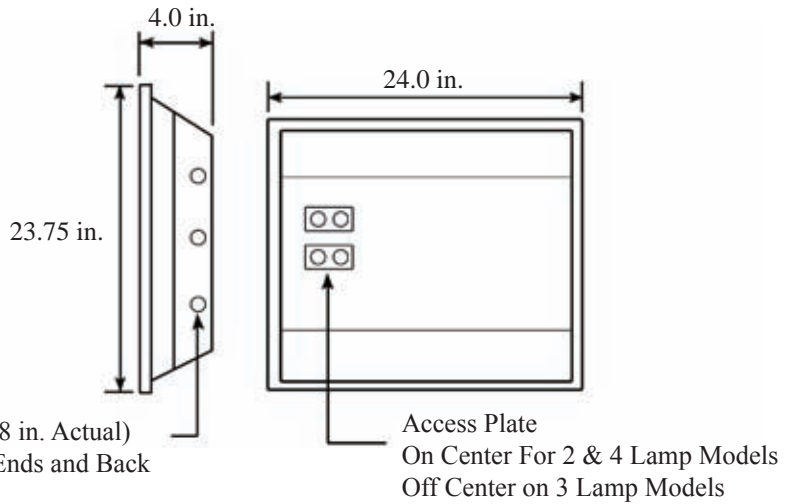
131 2' x 2'

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DIMENSIONS

All dimensions are inches. Specifications subject to change without notice.



PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Lamp configurations shown are typical. Photometric data on these and other configurations available upon request.

| Floor | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% |
|---------|---------------------------|------|------|---------|------|------|-------------------------------------|------|------|
| Ceiling | 80% | 80% | 80% | 70% | 70% | 70% | 50% | 50% | 50% |
| Wall | 70% | 50% | 30% | 70% | 50% | 30% | 50% | 30% | 10% |
| RCR | Zonal cavity coefficients | | | 131A317 | | | Spacing ratio. Along 1.2 Across 1.3 | | |
| 0 | 0.89 | 0.89 | 0.88 | 0.87 | 0.87 | 0.86 | 0.83 | 0.82 | 0.82 |
| 1 | 0.82 | 0.78 | 0.75 | 0.80 | 0.77 | 0.74 | 0.74 | 0.71 | 0.69 |
| 2 | 0.76 | 0.69 | 0.64 | 0.74 | 0.68 | 0.63 | 0.65 | 0.62 | 0.58 |
| 3 | 0.69 | 0.62 | 0.56 | 0.68 | 0.60 | 0.55 | 0.58 | 0.54 | 0.50 |
| 4 | 0.64 | 0.55 | 0.49 | 0.63 | 0.54 | 0.48 | 0.53 | 0.47 | 0.43 |
| 5 | 0.59 | 0.50 | 0.43 | 0.58 | 0.49 | 0.43 | 0.47 | 0.42 | 0.38 |
| 6 | 0.55 | 0.45 | 0.38 | 0.53 | 0.44 | 0.38 | 0.43 | 0.37 | 0.33 |
| 7 | 0.51 | 0.41 | 0.35 | 0.50 | 0.40 | 0.34 | 0.39 | 0.34 | 0.30 |
| 8 | 0.48 | 0.38 | 0.31 | 0.47 | 0.37 | 0.31 | 0.36 | 0.31 | 0.27 |
| 9 | 0.45 | 0.35 | 0.29 | 0.44 | 0.34 | 0.28 | 0.33 | 0.28 | 0.24 |
| 10 | 0.42 | 0.32 | 0.26 | 0.41 | 0.32 | 0.26 | 0.31 | 0.26 | 0.22 |

| Floor | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% |
|---------|---------------------------|------|------|------------|------|------|-------------------------------------|------|------|
| Ceiling | 80% | 80% | 80% | 70% | 70% | 70% | 50% | 50% | 50% |
| Wall | 70% | 50% | 30% | 70% | 50% | 30% | 50% | 30% | 10% |
| RCR | Zonal cavity coefficients | | | 131A217M20 | | | Spacing ratio. Along 1.2 Across 1.3 | | |
| 0 | 1.04 | 1.03 | 1.02 | 1.01 | 1.01 | 1 | 0.96 | 0.96 | 0.95 |
| 1 | 0.96 | 0.92 | 0.88 | 0.93 | 0.9 | 0.86 | 0.86 | 0.83 | 0.81 |
| 2 | 0.88 | 0.81 | 0.76 | 0.86 | 0.8 | 0.75 | 0.77 | 0.73 | 0.69 |
| 3 | 0.81 | 0.73 | 0.66 | 0.79 | 0.71 | 0.65 | 0.69 | 0.64 | 0.59 |
| 4 | 0.76 | 0.65 | 0.58 | 0.74 | 0.64 | 0.58 | 0.62 | 0.57 | 0.52 |
| 5 | 0.7 | 0.59 | 0.52 | 0.68 | 0.58 | 0.51 | 0.56 | 0.5 | 0.46 |
| 6 | 0.65 | 0.53 | 0.46 | 0.63 | 0.53 | 0.46 | 0.51 | 0.45 | 0.4 |
| 7 | 0.61 | 0.49 | 0.42 | 0.59 | 0.48 | 0.41 | 0.47 | 0.41 | 0.36 |
| 8 | 0.57 | 0.45 | 0.38 | 0.55 | 0.45 | 0.38 | 0.43 | 0.37 | 0.33 |
| 9 | 0.53 | 0.42 | 0.35 | 0.52 | 0.41 | 0.34 | 0.4 | 0.34 | 0.3 |
| 10 | 0.5 | 0.38 | 0.32 | 0.49 | 0.38 | 0.32 | 0.37 | 0.31 | 0.27 |

| Floor | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% |
|---------|---------------------------|------|------|---------|------|------|-------------------------------------|------|------|
| Ceiling | 80% | 80% | 80% | 70% | 70% | 70% | 50% | 50% | 50% |
| Wall | 70% | 50% | 30% | 70% | 50% | 30% | 50% | 30% | 10% |
| RCR | Zonal cavity coefficients | | | 131A417 | | | Spacing ratio. Along 1.2 Across 1.3 | | |
| 0 | 0.85 | 0.85 | 0.84 | 0.83 | 0.83 | 0.82 | 0.79 | 0.79 | 0.78 |
| 1 | 0.79 | 0.75 | 0.72 | 0.77 | 0.73 | 0.71 | 0.7 | 0.68 | 0.66 |
| 2 | 0.72 | 0.66 | 0.62 | 0.7 | 0.65 | 0.61 | 0.63 | 0.59 | 0.56 |
| 3 | 0.66 | 0.59 | 0.53 | 0.65 | 0.58 | 0.53 | 0.56 | 0.51 | 0.48 |
| 4 | 0.61 | 0.53 | 0.47 | 0.6 | 0.52 | 0.46 | 0.5 | 0.45 | 0.42 |
| 5 | 0.57 | 0.48 | 0.41 | 0.55 | 0.47 | 0.41 | 0.45 | 0.4 | 0.36 |
| 6 | 0.52 | 0.43 | 0.37 | 0.51 | 0.42 | 0.36 | 0.41 | 0.36 | 0.32 |
| 7 | 0.49 | 0.39 | 0.33 | 0.48 | 0.39 | 0.33 | 0.38 | 0.32 | 0.29 |
| 8 | 0.46 | 0.36 | 0.3 | 0.45 | 0.36 | 0.3 | 0.35 | 0.3 | 0.26 |
| 9 | 0.43 | 0.33 | 0.27 | 0.42 | 0.33 | 0.27 | 0.32 | 0.27 | 0.23 |
| 10 | 0.4 | 0.31 | 0.25 | 0.39 | 0.3 | 0.25 | 0.3 | 0.25 | 0.21 |

| Floor | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% |
|---------|---------------------------|------|------|----------|------|------|-------------------------------------|------|------|
| Ceiling | 80% | 80% | 80% | 70% | 70% | 70% | 50% | 50% | 50% |
| Wall | 70% | 50% | 30% | 70% | 50% | 30% | 50% | 30% | 10% |
| RCR | Zonal cavity coefficients | | | 131A232U | | | Spacing ratio. Along 1.2 Across 1.3 | | |
| 0 | 0.84 | 0.83 | 0.83 | 0.82 | 0.81 | 0.81 | 0.78 | 0.78 | 0.77 |
| 1 | 0.77 | 0.74 | 0.71 | 0.75 | 0.72 | 0.70 | 0.69 | 0.67 | 0.65 |
| 2 | 0.71 | 0.65 | 0.61 | 0.64 | 0.64 | 0.60 | 0.62 | 0.58 | 0.55 |
| 3 | 0.66 | 0.58 | 0.53 | 0.57 | 0.57 | 0.52 | 0.55 | 0.51 | 0.47 |
| 4 | 0.61 | 0.52 | 0.46 | 0.51 | 0.51 | 0.46 | 0.50 | 0.45 | 0.41 |
| 5 | 0.56 | 0.47 | 0.41 | 0.46 | 0.46 | 0.41 | 0.45 | 0.40 | 0.36 |
| 6 | 0.52 | 0.43 | 0.36 | 0.42 | 0.42 | 0.36 | 0.41 | 0.36 | 0.32 |
| 7 | 0.48 | 0.39 | 0.33 | 0.38 | 0.38 | 0.33 | 0.37 | 0.32 | 0.29 |
| 8 | 0.45 | 0.36 | 0.30 | 0.35 | 0.35 | 0.30 | 0.34 | 0.29 | 0.26 |
| 9 | 0.42 | 0.33 | 0.27 | 0.32 | 0.32 | 0.27 | 0.32 | 0.27 | 0.23 |
| 10 | 0.40 | 0.30 | 0.25 | 0.30 | 0.30 | 0.25 | 0.29 | 0.25 | 0.21 |

