

APPLICATIONS

Premium quality low profile troffer with an almost limitless range of applications. Ideal for all commercial and industrial buildings requiring general illumination with recessed configurations.

FEATURES & BENEFITS

- ◆ Available in multiple lamp configurations
- ◆ Shallow design specifically for T5 or T8 lamps
- ◆ Ends are secured by snap-in interlocking system
- ◆ Clear .100 acrylic prismatic lens is standard
- ◆ Exclusive "Light Lock" frame reduces light leaks
- ◆ Flush steel door with rotary action cam latches and hinges from either side for easy re-lamping
- ◆ Easy access plate for quick wiring
- ◆ Pre-lamp available
- ◆ Equipped with Integral Earthquake Clips
- ◆ 84% efficient
- ◆ **UL** listed for damp location



T8 Energy Saving Compliant

SPECIFICATIONS

Housing is die-formed and embossed from cold rolled steel. Wiring access plate and knockouts are provided on back of housing allowing for flexible greenfield attachment. Ballast cover snaps easily into place eliminating the need for tools when accessing the ballast. Prismatic lens is held within a hinged steel frame door. The heavy gauge door frame hinges downward on either side and is held in the closed position by two positive cam latches. Knockouts are provided on ends for continuous wiring. Listed by and bears **UL** label.

ORDERING DATA

EXAMPLE: RG2443232MV125B1

| RG | | | | | | | | |
|--------------|-----------|-----|-------------------|-------------|-----------------------------|--------------|----------------------------------|--|
| Series | Size | | # Lamps | Lamp Type | | Ballast Type | Lens | Options ^{1,2} |
| RG | 12 | 1x2 | 2 | 14 | 22" T5 | MV | 120 - 277V | Blank A12 .100 thick lens |
| Recessed | 14 | 1x4 | 3 | 17 | 24" T8 | 120 | Electronic 120V | 125 A12 .125 thick lens |
| Grid Troffer | 22 | 2x2 | 4 | 24 | 22" T5HO | 277 | Electronic 277V | 156 A19 .156 thick lens |
| | 24 | 2x4 | 6 | 28 | 46" T5 | R120 | Resi Elec | CL Clear .100 thick lens |
| | | | per cross section | 32 | 48" T8 | PMV | Program Start | CL125 Clear .125 thick lens |
| | | | | 40BX | Biaxial TT5 | DMV | Sylvania Powersense | SW Smooth White .100 thick lens |
| | | | | 54 | 46" T5HO | | Dimming | INV Inverted Lens |
| | | | | U32X | 6" U bend T8 (2x2 Only) | LED | Less ballast wired one end hot** | NL No Lens |
| | | | | U32Y | 1 5/8" U bend T8 (2x2 Only) | LED2 | Less ballast wired both ends hot | NFL No Frame and Lens |

Fixture Notes

- 1) Battery Backup (#) if ordering separately
- 2) Call factory for additional options

Job Pack Notes:

JP at end of catalog number signifies Job Pack, however, if other options are included on fixtures, such as Flex, ELS, etc., consult factory for correct logic

Dimensions and specifications subject to change without notice.

TECHNICAL INFORMATION

Brands

| Code No. | Description |
|----------|------------------|
| A | Advance |
| G | GE Ballast |
| L | Lutron |
| S | Sylvania Ballast |
| U | Universal |

Performance Levels

| Ballast | | | |
|--------------------|---|-------------------------------|-------------------------------|
| Manufacturer | Standard - Leave blank if no preference | High Efficiency Instant Start | High Efficiency Program Start |
| Advance (A) | Centium ICN (A) | Optanium (AL, AN, AH) | Optanium PS (APL, APN ???) |
| GE (G) | Proline GE (G) | UltraMax (GL, GN, GH) | UltraStart (GPL, GPH, GPH) |
| Osram/Sylvania (S) | Quicktronic Pro (S) | Quicktronic QHE (SL, SN, SH) | ProStart (SPL, SPN, SPH) |
| Universal (U) | ULT STD Electronic (U) | HP Electronic (UL, UN, UH) | AccuStart (UPI, UPN, UPH) |

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.

LISTING

Fixture & Ballast: UL Listed Ballast:
Thermally protected, class P, HPF, Non PCB

MOUNTING

Recessed inverted T-Bar ceilings. Grid mount.

OPTIONS

Ballast and Lamp Options

- B1** T8/T5 1L 500 Lumens Battery Backup (B11)
- B2** T8/T5 1L/2L 700 Lumens Battery Backup (B48)
- B3** T8/T5 1L/2L 1400 Lumens Battery Backup (B223)
- B51** T5HO 1L 500 Lumens Battery Backup (B625)
- B52** T5HO 1L 800 Lumens Battery Backup (B585)
- B53** T5HO 1L 1300 Lumens Battery Backup (B626)
- EMK12** 1200 Board Lumen LED Emergency Kit
- 11** Dual Ballasts 1 Lamp + 1 Lamp
- 21** Dual Ballasts 2 Lamp + 1 Lamp
- 22** Dual Ballasts 2 Lamp + 2 Lamp
- 31** Dual Ballasts 3 Lamp + 1 Lamp
- L35** 735K Lamps Installed
- L41** 741K Lamps Installed
- L841** 841K Lamps Installed
- L835** 835K Lamps Installed

Frame and Lens Options

- XA** Anodized aluminum reflector
- XS** Silver MRO4 Reflector
- WR** White Regress Door
- RA** Regressed Aluminum Door
- G1** Single Gasketing
- G2** Double Gasketing
- G3** Triple Gasketing
- W.5** White Parabolic Louver(1/2"x1/2"x3/8")
- S.5** Specualr Parabolic Louver (1/2"x1/2"x3/8")
- S.75** Specular Parabolic Louver (3/4"x3/4"x3/8")
- S1.5** Specular Parabolic Louver (1 1/2"x1 1/2"x1")
- A78** Aluminum Silver 78 Cell (2x4) Parabolic louver
- A36** Aluminum Silver 36 Cell (2x) Parabolic louver
- DD** Drop Dish Lens

Electrical Options

- RIF** Radio Interference Filter
- WP** Whip 6Ft 3 Wire
- WP4** Whip 6Ft 4 Wire



Dimensions and specifications subject to change without notice.

PHOTOMETRICS

IES INDOOR REPORT

Photometric Filename: RG241-432ELODT.ies

| Room Cavity Ratio (RCR) | | Candela Distribution | | | | | | | | | | | | | | | | | | | |
|-------------------------|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| | | Effective Floor Cavity Reflectance 0.20 | | | | | | | | | | | | | | | | | | | |
| | | 80 | | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | |
| 0 | 87 | 87 | 87 | 87 | 85 | 85 | 85 | 85 | 81 | 81 | 81 | 78 | 78 | 78 | 75 | 75 | 75 | 73 | | | |
| 1 | 80 | 77 | 74 | 71 | 78 | 75 | 73 | 70 | 72 | 70 | 68 | 69 | 68 | 66 | 67 | 65 | 64 | 63 | | | |
| 2 | 74 | 68 | 63 | 59 | 72 | 66 | 62 | 59 | 64 | 60 | 57 | 62 | 59 | 56 | 59 | 57 | 55 | 53 | | | |
| 3 | 67 | 60 | 54 | 50 | 66 | 59 | 54 | 50 | 57 | 52 | 49 | 55 | 51 | 48 | 53 | 50 | 47 | 45 | | | |
| 4 | 62 | 54 | 47 | 43 | 60 | 53 | 47 | 43 | 51 | 46 | 42 | 49 | 45 | 41 | 48 | 44 | 41 | 39 | | | |
| 5 | 57 | 48 | 42 | 37 | 56 | 47 | 41 | 37 | 46 | 41 | 37 | 44 | 40 | 36 | 43 | 39 | 36 | 34 | | | |
| 6 | 53 | 44 | 37 | 33 | 52 | 43 | 37 | 33 | 42 | 36 | 32 | 40 | 36 | 32 | 39 | 35 | 32 | 30 | | | |
| 7 | 49 | 40 | 33 | 29 | 48 | 39 | 33 | 29 | 38 | 33 | 29 | 37 | 32 | 28 | 36 | 32 | 28 | 27 | | | |
| 8 | 46 | 36 | 30 | 26 | 45 | 36 | 30 | 26 | 35 | 29 | 26 | 34 | 29 | 26 | 33 | 29 | 25 | 24 | | | |
| 9 | 43 | 33 | 27 | 23 | 42 | 33 | 27 | 23 | 32 | 27 | 23 | 31 | 26 | 23 | 30 | 26 | 23 | 22 | | | |
| 10 | 40 | 31 | 25 | 21 | 39 | 30 | 25 | 21 | 30 | 25 | 21 | 29 | 24 | 21 | 28 | 24 | 21 | 20 | | | |

Characteristics

| | |
|---------------------------------|----------------|
| Lumens Per Lamp | 2850 (4 lamps) |
| Total Lamp Lumens | 11400 |
| Luminaire Lumens | 8358 |
| Total Luminaire Efficiency | 73 % |
| Luminaire Efficacy Rating (LER) | 77 |
| Total Luminaire Watts | 108 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.24 |
| Spacing Criterion (90-270) | 1.34 |
| Spacing Criterion (Diagonal) | 1.36 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 3.81 ft |
| Luminous Width (90-270) | 1.81 ft |
| Luminous Height | 0.00 ft |

IES INDOOR REPORT

Photometric Filename: RG221-2U32XELODT.ies

| Room Cavity Ratio (RCR) | | Candela Distribution | | | | | | | | | | | | | | | | | | | |
|-------------------------|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| | | Effective Floor Cavity Reflectance 0.20 | | | | | | | | | | | | | | | | | | | |
| | | 80 | | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | |
| 0 | 79 | 79 | 79 | 79 | 77 | 77 | 77 | 77 | 73 | 73 | 73 | 70 | 70 | 70 | 67 | 67 | 67 | 66 | | | |
| 1 | 72 | 69 | 67 | 64 | 71 | 68 | 66 | 63 | 65 | 63 | 61 | 63 | 61 | 59 | 60 | 59 | 58 | 56 | | | |
| 2 | 66 | 61 | 57 | 53 | 65 | 60 | 56 | 53 | 58 | 54 | 52 | 55 | 53 | 50 | 54 | 51 | 49 | 48 | | | |
| 3 | 61 | 54 | 49 | 45 | 59 | 53 | 48 | 45 | 51 | 47 | 44 | 49 | 46 | 43 | 48 | 45 | 42 | 41 | | | |
| 4 | 56 | 48 | 43 | 39 | 54 | 47 | 42 | 38 | 46 | 41 | 38 | 44 | 40 | 37 | 43 | 40 | 37 | 35 | | | |
| 5 | 52 | 43 | 38 | 34 | 50 | 43 | 37 | 33 | 41 | 37 | 33 | 40 | 36 | 33 | 39 | 35 | 32 | 31 | | | |
| 6 | 48 | 39 | 34 | 30 | 47 | 39 | 33 | 29 | 37 | 33 | 29 | 36 | 32 | 29 | 35 | 32 | 29 | 27 | | | |
| 7 | 44 | 36 | 30 | 26 | 43 | 35 | 30 | 26 | 34 | 29 | 26 | 33 | 29 | 26 | 32 | 29 | 26 | 24 | | | |
| 8 | 41 | 33 | 27 | 24 | 40 | 32 | 27 | 23 | 31 | 27 | 23 | 31 | 26 | 23 | 30 | 26 | 23 | 22 | | | |
| 9 | 39 | 30 | 25 | 21 | 38 | 30 | 25 | 21 | 29 | 24 | 21 | 28 | 24 | 21 | 28 | 24 | 21 | 20 | | | |
| 10 | 36 | 28 | 23 | 19 | 35 | 27 | 23 | 19 | 27 | 22 | 19 | 26 | 22 | 19 | 26 | 22 | 19 | 18 | | | |

Characteristics

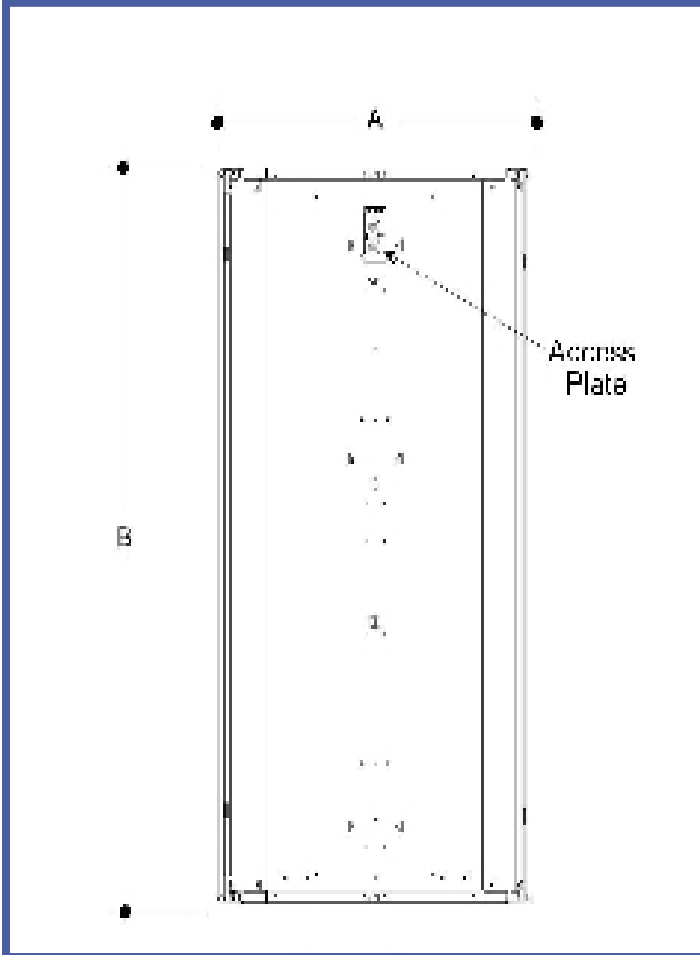
| | |
|---------------------------------|----------------|
| Lumens Per Lamp | 2800 (2 lamps) |
| Total Lamp Lumens | 5600 |
| Luminaire Lumens | 3701 |
| Total Luminaire Efficiency | 66 % |
| Luminaire Efficacy Rating (LER) | 65 |
| Total Luminaire Watts | 57 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.32 |
| Spacing Criterion (Diagonal) | 1.32 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 1.80 ft |
| Luminous Width (90-270) | 1.81 ft |
| Luminous Height | 0.00 ft |



Dimensions and specifications subject to change without notice.

DIMENSIONS

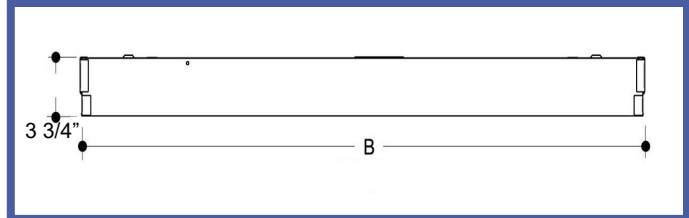
TOP VIEWS



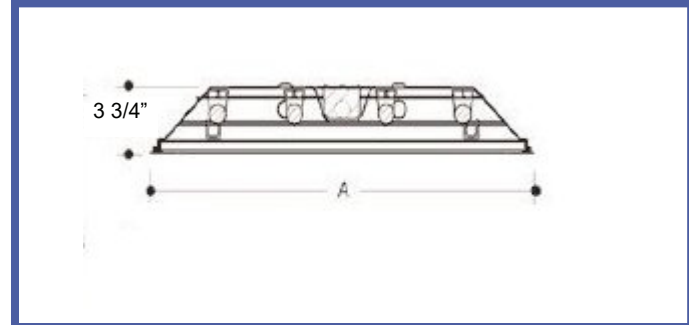
MODEL CONFIGURATION

| | A | B |
|---------|----------|----------|
| 1' x 2' | 12" | 23 3/4" |
| 1' x 4' | 12" | 47 7/8" |
| 2' x 2' | 23 3/4" | 23 3/4" |
| 2' x 4' | 23 3/4" | 47 3/4" |

SIDE VIEW



END VIEW



Dimensions and specifications subject to change without notice.