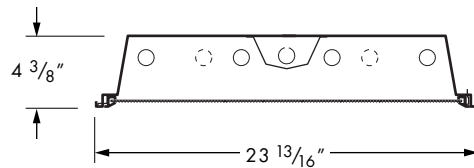
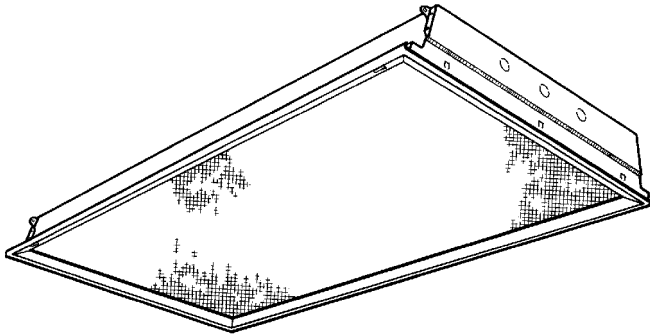


# 2' x 4' STATIC TROFFER

SERIES **50**  
STATIC

JOB \_\_\_\_\_  
TYPE \_\_\_\_\_  
VOLTAGE \_\_\_\_\_



## SPECIFICATIONS

- HOUSING – 22 gauge die formed C.R.S.
- DOOR FRAME – 20 gauge C.R.S. or .050" extruded aluminum, flat or regress, with mitered corners. T-slot steel hinge allows reversible hinging and latching
- SHIELDING – #12 pattern, .125" acrylic overlay standard – other patterns and thicknesses available
- FINISH – 92% minimum average reflective white powder coat with multi-stage iron/phosphate prepared metal
- ELECTRICAL – Electronic ballast standard, instant start T8, programmed start T5, rated Class P
- LABELS – UL listed to U.S. and Canadian safety standards as recessed fluorescent luminaire suitable for dry or damp locations
- MOUNTING – NEMA Type "G" standard. NEMA Type "F" available

## FEATURES

- Fully enclosed, spring-loaded cam latches allow years of hassle-free maintenance
- T-slot steel hinge ensures positive retention when door is opened
- 4 3/8" deep housing eliminates lens shadowing
- Deep reinforcement ribs provide added strength
- Rolled-edge channel adds superior strength
- Integral T-bar clips quickly secure fixture to structure
- Field convertible to NEMA Type "F"
- Fully gasketed door minimizes contaminants
- All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit rusting

## ORDERING INFORMATION

Submittal

EXAMPLE: 

|    |   |   |   |   |   |    |   |        |         |     |     |
|----|---|---|---|---|---|----|---|--------|---------|-----|-----|
| 50 | G | S | 2 | 4 | 3 | 32 | S | A12125 | OPTIONS | EB3 | 120 |
|----|---|---|---|---|---|----|---|--------|---------|-----|-----|

|                       |                      |                                   |
|-----------------------|----------------------|-----------------------------------|
| <b>SERIES</b>         | <b>50</b>            | Static Troffer (No air handling)  |
| <b>CEILING TYPE</b>   | <b>G</b>             | NEMA Type "G"                     |
|                       | <b>F</b>             | NEMA Type "F" (field convertible) |
| <b>FIXTURE STYLE</b>  | <b>S</b>             | Full door frame, no reveal        |
| <b>NOMINAL WIDTH</b>  | <b>2</b>             | 2'                                |
| <b>NOMINAL LENGTH</b> | <b>4</b>             | 4'                                |
| <b>TOTAL LAMPS</b>    | <b>2, 3, 4, or 6</b> |                                   |

|                          |               |   |
|--------------------------|---------------|---|
| <b>LAMP WATTAGE/TYPE</b> | <b>28T5S</b>  | 4', 28 watt T5                              |
|                          | <b>32</b>     | 4', 32 watt T8                              |
|                          | <b>54T5H</b>  | 4', 54 watt T5HO (4 lamps max.)             |
| <b>DOOR FRAME TYPE</b>   | <b>S</b>      | White flat steel                            |
|                          | <b>F</b>      | White flat aluminum                         |
|                          | <b>R</b>      | White regress aluminum                      |
|                          | <b>SB</b>     | Black flat steel                            |
|                          | <b>FB</b>     | Black flat aluminum                         |
|                          | <b>RB</b>     | Black regress aluminum                      |
| <b>SHIELDING</b>         | <b>A12125</b> | #12 pattern acrylic, .125" thick            |
|                          | <b>A19156</b> | #19 pattern acrylic, .156" thick            |
|                          | <b>PCISS</b>  | Nominal 1/2"x1/2"x1/2" silver polystyrene   |
|                          | <b>PC2SS</b>  | Nominal 1 1/2"x1 1/2"x1" silver polystyrene |

|                     |              |  |
|---------------------|--------------|--|
| <b>OPTIONS</b>      | <b>F338</b>  | 6', 3/8" flex, 3 conductor, No. 18 AWG     |
| <b>BALLAST TYPE</b> | <b>EB2</b>   | 2 lamp electronic ballast                  |
|                     | <b>EB3</b>   | 3 lamp electronic ballast                  |
|                     | <b>EB4</b>   | 4 lamp electronic ballast                  |
|                     | <b>EB2/2</b> | (2) 2 lamp electronic ballasts             |
|                     | <b>EB3/3</b> | (2) 3 lamp electronic ballasts             |
|                     | <b>EB4/2</b> | (1) 4 lamp & (1) 2 lamp electronic ballast |
| <b>VOLTAGE</b>      | <b>120</b>   | 120V                                       |
|                     | <b>277</b>   | 277V                                       |
|                     | <b>UNV</b>   | 120 - 277V                                 |
|                     | <b>347</b>   | 347V                                       |

**Note:** For more options/accessories, ballast combinations, and product details, please consult factory



**50**

STATIC

SERIES

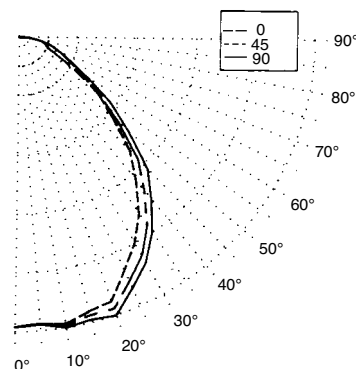
**PHOTOMETRY INFORMATION**

Williams Catalog #50G-S24-332-SA12125-EB3-120  
 Test Report #8417.0, Dated 08/18/95

Lamp Type: F32T8/735/RS  
 Lamp Quantity: 3

**CANDLEPOWER DISTRIBUTION**

| VERT. ANG. | HORIZONTAL ANGLE |       |       | ZONAL LUMENS |
|------------|------------------|-------|-------|--------------|
|            | 0                | 45    | 90    |              |
| 0          | 2809.            | 2809. | 2809. |              |
| 5          | 2781.            | 2778. | 2789. | 265.6        |
| 15         | 2740.            | 2780. | 2820. | 788.4        |
| 25         | 2478.            | 2589. | 2665. | 1194.5       |
| 35         | 2055.            | 2198. | 2282. | 1372.1       |
| 45         | 1527.            | 1643. | 1775. | 1275.1       |
| 55         | 935.             | 956.  | 1083. | 889.3        |
| 65         | 537.             | 405.  | 556.  | 466.7        |
| 75         | 328.             | 263.  | 338.  | 301.8        |
| 85         | 119.             | 119.  | 130.  | 133.5        |
| 90         | 0.               | 0.    | 0.    |              |



**LUMEN SUMMARY**

| ZONE                   | LUMENS | % LAMP | % FIXTURE |
|------------------------|--------|--------|-----------|
| 0 - 30                 | 2248.  | 26.3   | 33.6      |
| 0 - 40                 | 3621.  | 42.3   | 54.1      |
| 0 - 60                 | 5785.  | 67.7   | 86.5      |
| 0 - 90                 | 6687.  | 78.2   | 100.0     |
| 90 - 120               | 0.     | 0.     | 0.        |
| 90 - 130               | 0.     | 0.     | 0.        |
| 90 - 150               | 0.     | 0.     | 0.        |
| 90 - 180               | 0.     | 0.     | 0.        |
| <b>Total Luminaire</b> |        |        |           |
| 0-180                  | 6687.  | 78.2   | 100.0     |

**ZONAL CAVITY COEFFICIENTS**

EFFECTIVE FLOOR CAVITY REFL. = .20

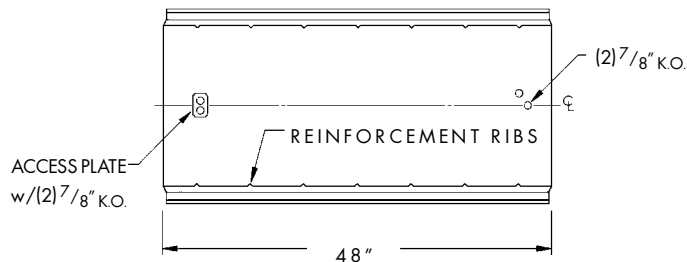
| CEILING WALL RCR | .80 |     |     | .70 |     |     | .50 |     |     |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                  | .70 | .50 | .30 | .70 | .50 | .30 | .50 | .30 | .10 |
| <b>0</b>         | .93 | .93 | .93 | .91 | .91 | .91 | .87 | .87 | .87 |
| <b>1</b>         | .86 | .83 | .80 | .84 | .81 | .79 | .78 | .76 | .74 |
| <b>2</b>         | .80 | .74 | .70 | .78 | .73 | .69 | .70 | .67 | .64 |
| <b>3</b>         | .74 | .67 | .61 | .72 | .66 | .61 | .64 | .59 | .56 |
| <b>4</b>         | .68 | .60 | .54 | .67 | .59 | .54 | .57 | .52 | .49 |
| <b>5</b>         | .63 | .54 | .48 | .62 | .53 | .47 | .52 | .46 | .42 |
| <b>6</b>         | .58 | .49 | .42 | .57 | .48 | .42 | .47 | .41 | .37 |
| <b>7</b>         | .54 | .44 | .38 | .53 | .44 | .37 | .42 | .37 | .33 |
| <b>8</b>         | .50 | .40 | .33 | .49 | .39 | .33 | .38 | .33 | .29 |
| <b>9</b>         | .46 | .36 | .30 | .45 | .35 | .29 | .34 | .29 | .25 |
| <b>10</b>        | .43 | .33 | .27 | .42 | .32 | .26 | .31 | .26 | .22 |

**TOTAL LUMINAIRE**

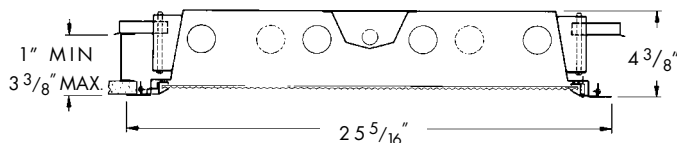
OPTICAL **EFFICIENCY = 78.2 %**

SPACING CRITERIA: ACROSS= 1.3 ALONG= 1.2

**BACK VIEW**



**CROSS SECTION NEMA TYPE "F" INSTALLATION**



**MAXIMUM RECOMMENDED CEILING OPENING IS 2 4 3/8" X 4 8 3/8"**

For continuous row mounting, add 4 9 5/16" for each additional fixture to obtain ceiling opening. 1 5/16" between end plates.

