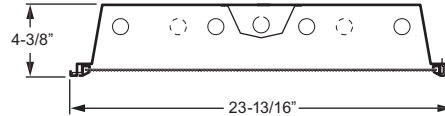
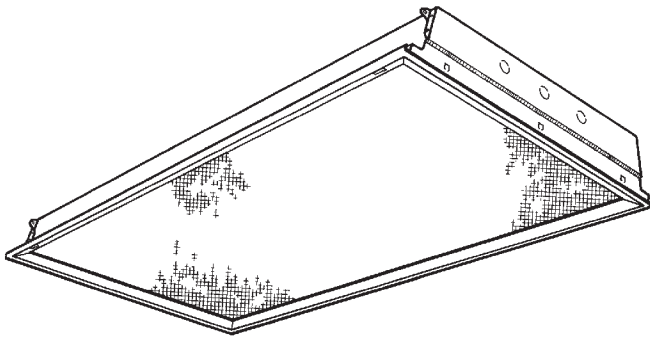


2' x 4' STATIC TROFFER

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/CUL listed 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.
- Meets many energy rebate requirements with the high efficiency HIEF option.
- 4-3/8" deep housing eliminates lens shadowing.
- Deep reinforcement ribs provide added strength.
- Rolled-edge channel adds superior strength.
- Optional anti-microbial powder coating available to prevent the spread of dangerous micro-organisms and suppress the growth of mold and bacteria.
- 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 corrosion.
- This fixture is proudly made in the USA.

ORDERING INFORMATION

Submittal

EXAMPLE: **50** **G** - **S** **2** **4** - **3** **32** - **S** **A12125** - **OPTIONS** - **EB3** - **120**

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

LAMP WATTAGE/TYPE	28T5S 4', 28-watt T5 32 4', 32-watt T8 54T5H 4', 54-watt T5HO (4 lamps max.)
DOOR FRAME TYPE	S White Flat steel F White Flat aluminum R White Regress aluminum SB Black flat steel FB Black Flat aluminum RB Black Regress aluminum
SHIELDING	A12125 #12 pattern acrylic, .125" thick A19156 #19 pattern acrylic, .156" thick PC1SS Nominal 1/2"x1/2"x1/2" silver polystyrene PC2SS Nominal 1-1/2"x1-1/2"x1" silver polystyrene

OPTIONS	HIEF High Efficiency (T8 only) F338 6', 3/8" flex, 3 conductor, No. 18 AWG AMW Anti-microbial White finish
BALLAST TYPE	EB2 2-lamp electronic ballast EB3 3-lamp electronic ballast EB4 4-lamp electronic ballast EB2/2 (2) 2-lamp electronic ballasts EB3/3 (2) 3-lamp electronic ballasts EB4/2 (1) 4-lamp & (1) 2-lamp electronic ballast
VOLTAGE	120 120V UNV 120 - 277V 277 277V 347 347V

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



FLUORESCENT LIGHTING

50
STATIC

SERIES

PHOTOMETRY INFORMATION

STANDARD

Williams Catalog #50G-S24-332-SA12125-EB3 Test Report #8417.0, Dated 08/18/95 Ballast Factor: 1.0
Lamp Type: F32T8/735/RS Lamp Quantity: 3

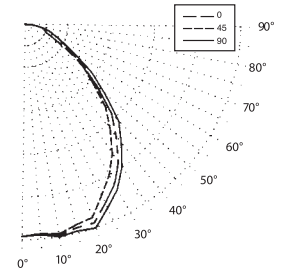
CANDLEPOWER DISTRIBUTION

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	0.0
90 - 130	0.	0.0	0.0
90 - 150	0.	0.0	0.0
90 - 180	0.	0.0	0.0
0 - 180	6687.	78.2	100.0

TOTAL LUMINAIRE OPTICAL EFFICIENCY = 78.2%
SPACING CRITERIA: END = 1.2 ACROSS = 1.3



HIEF OPTION

Williams Catalog #50G-S24-232-SA12125-HIEF-EB2 Test Report #12329.1, Dated 06/23/04 Ballast Factor: 1.0
Lamp Type: F32T8/835/RS Lamp Quantity: 2

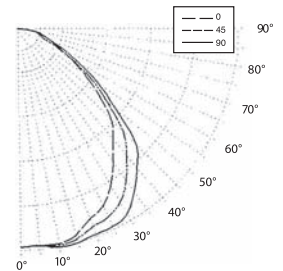
CANDLEPOWER DISTRIBUTION

VERT. ANG.	HORIZONTAL ANGLE			ZONAL LUMENS
	0	45	90	
0	1956.	1956.	1956.	
5	1950.	1950.	1953.	186.3
15	1918.	1955.	1990.	554.0
25	1760.	1868.	1962.	862.8
35	1468.	1668.	1794.	1034.6
45	1182.	1326.	1487.	1029.9
55	729.	800.	880.	722.1
65	401.	366.	456.	393.9
75	239.	198.	225.	224.5
85	88.	86.	78.	95.7
90	0.	0.	0.	

LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXTURE
0 - 30	1603.	27.2	31.4
0 - 40	2638.	44.7	51.7
0 - 60	4390.	74.4	86.0
0 - 90	5104.	86.5	100.0
90 - 120	0.	0.0	0.0
90 - 130	0.	0.0	0.0
90 - 150	0.	0.0	0.0
90 - 180	0.	0.0	0.0
0 - 180	5104.	86.5	100.0

TOTAL LUMINAIRE OPTICAL EFFICIENCY = 86.5%
SPACING CRITERIA: END = 1.2 DIAG. = 1.3 ACROSS = 1.4



HIEF OPTION

Williams Catalog #50G-S24-332-SA12125-HIEF-EB3 Test Report #12252.1, Dated 03/31/04 Ballast Factor: 1.0
Lamp Type: F32T8/835/RS Lamp Quantity: 3

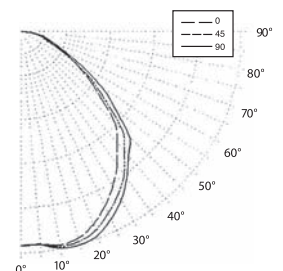
CANDLEPOWER DISTRIBUTION

VERT. ANG.	HORIZONTAL ANGLE			ZONAL LUMENS
	0	45	90	
0	2889.	2889.	2889.	
5	2885.	2890.	2894.	275.9
15	2901.	2947.	2991.	835.2
25	2635.	2738.	2824.	1265.6
35	2236.	2396.	2459.	1486.8
45	1786.	1921.	2055.	1486.6
55	1077.	1145.	1315.	1051.0
65	601.	544.	645.	580.2
75	321.	288.	355.	327.0
85	115.	125.	132.	139.6
90	14.	23.	23.	

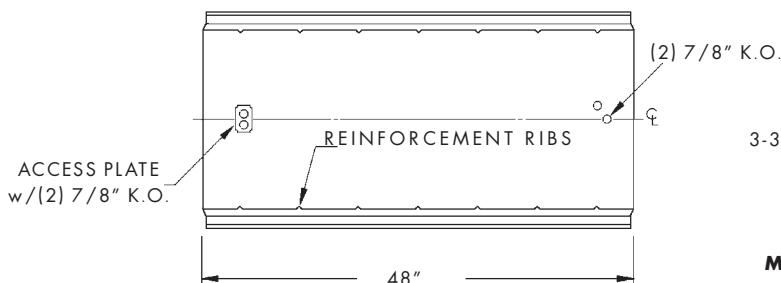
LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXTURE
0 - 30	2377.	26.9	31.9
0 - 40	3864.	43.7	51.9
0 - 60	6401.	72.3	85.9
0 - 90	7448.	84.2	100.0
90 - 120	0.	0.0	0.0
90 - 130	0.	0.0	0.0
90 - 150	0.	0.0	0.0
90 - 180	0.	0.0	0.0
0 - 180	7448.	84.2	100.0

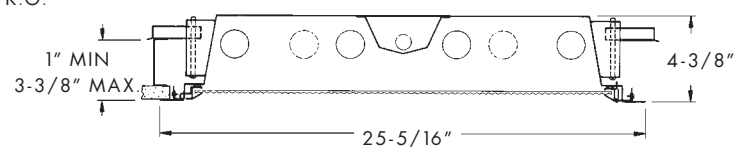
TOTAL LUMINAIRE OPTICAL EFFICIENCY = 84.2%
SPACING CRITERIA: END = 1.3 DIAG. = 1.3 ACROSS = 1.3



BACK VIEW



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



MAXIMUM RECOMMENDED CEILING OPENING IS 24-3/8" X 48-3/8"
For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening, 1-5/16" between end plates.



H. E. WILLIAMS, INC.

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Information contained herein is subject to change without notice. HEWJP43204 08/17/09JJ