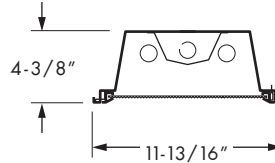
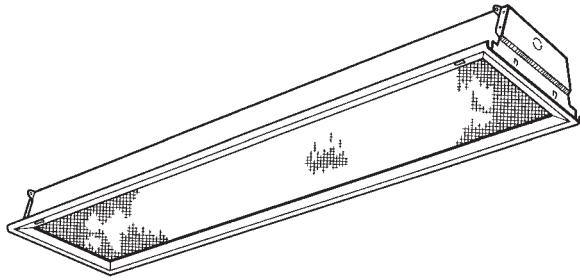


1' WIDE STATIC TROFFER

SERIES **50** STATIC
 VOLTAGE TYPE JOB _____



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, either instant start or programmed start, 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.
- 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.
- 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 1 4 - 2 32 - S A12125 - OPTIONS - EB2 - 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	1 1'
NOMINAL LENGTH	2 2' 4 4'
TOTAL LAMPS	2
LAMP WATTAGE/TYPE	14T5S 2', 14-watt T5 17 2', 17-watt T8

LAMP WATTAGE/TYPE cont'd.	24T5H 2', 24-watt T5HO 31UN 2', U-bent, 31-watt T8, 1-5/8" leg spacing 32U 2', U-bent, 32-watt T8, 6" leg spacing 40TT 2', 40-watt long twin tube 28T5S 4', 28-watt T5 32 4', 32-watt T8 54T5H 4', 54-watt T5HO
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 PC15S Nominal 1/2"x1/2"x1/2" silver polystyrene PC25S Nominal 1-1/2"x1-1/2"x1" silver polystyrene

OPTIONS	F338 6', 3/8" flex, 3 conductor, No. 18 AWG AMW Anti-microbial white finish
BALLAST TYPE	EB2 2-lamp electronic ballast
VOLTAGE	120 120V 277 277V UNV 120 - 277V 347 347V

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



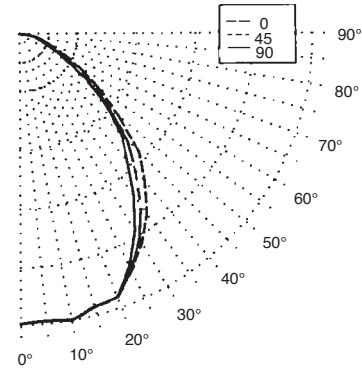
FLUORESCENT LIGHTING

Williams Catalog #50G-S14-232-SA12125-EB2-120
 Test Report #8647.0, Dated 02/08/96

Lamp Type: F32T8/SPX35/RS
 Lamp Quantity: 2

CANDLEPOWER DISTRIBUTION

VERT. ANG.	HORIZONTAL ANGLE			ZONAL LUMENS
	0	45	90	
0	1902.	1902.	1902.	
5	1890.	1888.	1891.	180.5
15	1849.	1854.	1856.	526.1
25	1711.	1703.	1677.	787.0
35	1436.	1372.	1288.	859.2
45	1100.	991.	939.	775.7
55	636.	585.	541.	524.3
65	320.	259.	254.	278.4
75	156.	123.	149.	150.1
85	61.	47.	45.	54.0
90	0.	0.	0.	



LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXTURE
0 - 30	1494.	25.3	36.1
0 - 40	2353.	39.9	56.9
0 - 60	3653.	61.9	88.3
0 - 90	4135.	70.1	100.0
90 - 120	0.	0.	0.
90 - 130	0.	0.	0.
90 - 150	0.	0.	0.
90 - 180	0.	0.	0.
Total Luminaire			
0-180	4135.	70.1	100.0

ZONAL CAVITY COEFFICIENTS

EFFECTIVE FLOOR CAVITY REFL. = .20

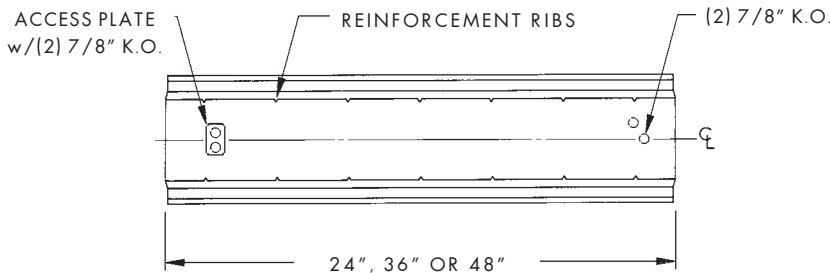
CEILING WALL RCR	.80			.70			.50		
	.70	.50	.30	.70	.50	.30	.50	.30	.10
0	83	83	83	81	81	81	78	78	75
1	78	75	73	76	74	71	71	67	65
2	72	67	64	70	66	63	64	58	57
3	67	61	56	65	60	55	58	51	50
4	62	55	50	61	54	49	52	45	44
5	57	49	44	56	49	43	47	39	39
6	53	45	39	52	44	39	43	35	34
7	49	41	35	48	40	35	39	31	31
8	45	37	31	44	36	31	35	27	27
9	42	33	28	41	33	27	32	24	24
10	39	30	25	38	30	25	29	21	21

TOTAL LUMINAIRE

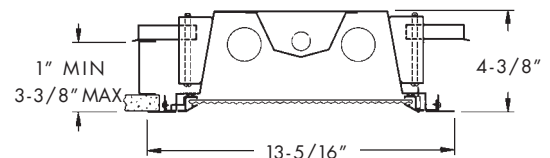
OPTICAL EFFICIENCY = 70.1 %

SPACING CRITERIA: ACROSS= 1.2 ALONG= 1.2

BACK VIEW



CROSS SECTION NEMA TYPE "F" INSTALLATION



MAXIMUM RECOMMENDED CEILING OPENING		
WIDTH	LENGTH	NOMINAL FIXTURE SIZE
12-3/8"	48-3/8"	1X4
12-3/8"	36-3/8"	1X3
12-3/8"	24-3/8"	1X2

For continuous row mounting add: 49-5/16" for 1X4, 37-5/16" for 1x3 and 25-5/16" for 1x2 for each additional fixture. 1-5/16" between end plates.



H. E. WILLIAMS, INC.