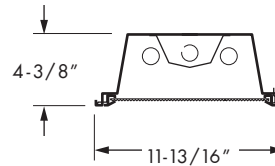
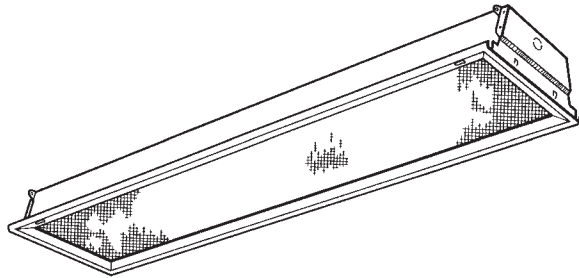


1' WIDE IC RATED TROFFER

SERIES **50**
IC Rated

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, instant start T8, programmed start T5, rated Class P.
- **Labels** – UL/CUL listed as recessed fluorescent luminaire suitable for dry or damp locations. Type IC - rated for direct contact with insulation.
- **Mounting** – NEMA Type "G" standard. NEMA Type "F" available.

FEATURES

- Thermally protected for use in direct contact with insulation.
- 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: **50IC G - S 14 - 2 32 - S A12125 - OPTIONS - EB2 - UNV**

SERIES

50IC Static Troffer, IC Rated, full door frame, no reveal

CEILING TYPE

G NEMA Type "G"
F NEMA Type "F"

FIXTURE STYLE

S Static, no air capability

NOMINAL WIDTH

1 1'

NOMINAL LENGTH

2 2'
4 4'

TOTAL LAMPS

2

LAMP WATTAGE/TYPE

14T5S 2', 14-watt T5 (1'x2' only)
17 2', 17-watt T8 (1'x2' only)
28T5S 4', 28-watt T5
32 4', 32-watt T8
32U 2', U-bent, 32-watt T8, 6" leg spacing (1'x2' only)

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 Parabolic louver, styrene silver, nominal 1/2" x 1/2" x 1/2"
PC2SS Parabolic louver, styrene silver, nominal 1-1/2" x 1-1/2" x 1"

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
277V 277V
UNV 120 - 277V
347 347V

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



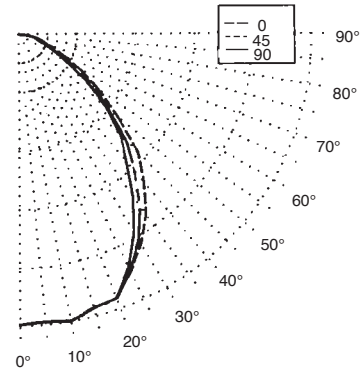
FLUORESCENT LIGHTING

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

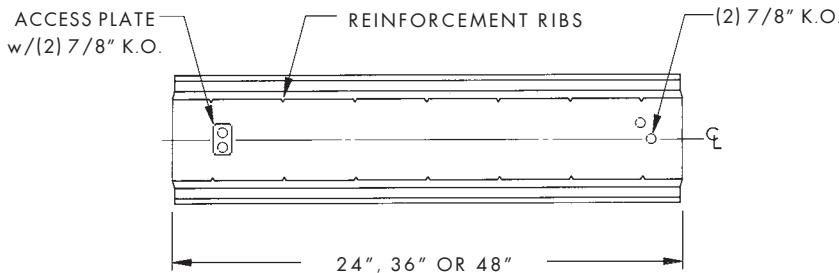
CEILING WALL RCR	.80			.70			.50		
	.70	.50	.30	.70	.50	.30	.50	.30	.10
0	.83	.83	.83	.81	.81	.81	.78	.78	.75
1	.78	.75	.73	.76	.74	.71	.71	.67	.65
2	.72	.67	.64	.70	.66	.63	.64	.58	.57
3	.67	.61	.56	.65	.60	.55	.58	.51	.50
4	.62	.55	.50	.61	.54	.49	.52	.45	.44
5	.57	.49	.44	.56	.49	.43	.47	.39	.39
6	.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

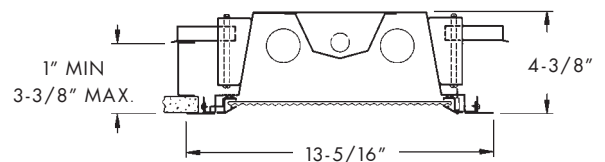
OPTICAL EFFICIENCY = 70.1 %

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.