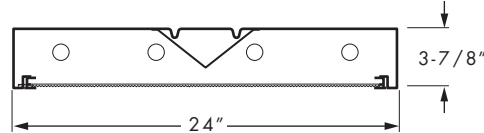
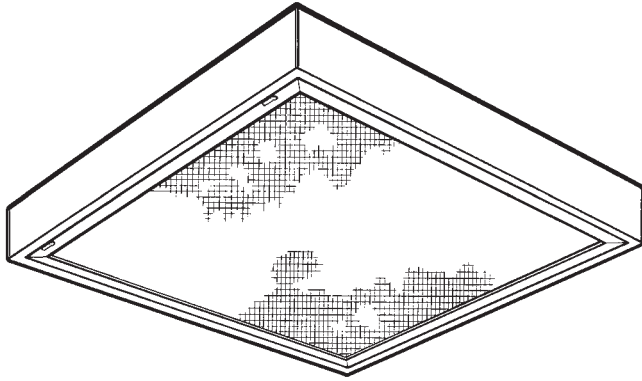


2' x 2' SURFACE MOUNT

SERIES **12-2**

VOLTAGE TYPE JOB _____



SPECIFICATIONS

- HOUSING – 20-gauge die-formed, welded C.R.S.
- DOOR FRAME – 20-gauge C.R.S. or 0.050" extruded aluminum with mitered corners.
- SHIELDING – Clear acrylic prismatic lens standard.
- 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 fluorescent luminaire suitable for dry or damp locations.
- MOUNTING – Surface or suspended.

FEATURES

- Fully-enclosed, spring-loaded cam latches allow years of hassle-free maintenance.
- Mitered corners provide clean, crisp appearance with no visible rivets or screws.
- Welded end plates ensure durable, rigid construction.
- Fully gasketed door minimizes contaminants.
- Ballast secured by two captive bolts and nuts to ensure a tight, reliable fit for maximum heat dissipation and minimal ballast noise.
- All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- This fixture is proudly made in the USA.

SUBMITTAL INFORMATION

12-2-232U-FA12125-OPTIONS-EB2-120

TOTAL LAMPS
2, 3, or 4

NOMINAL LENGTH
2 = 2 ft.

LUMINAIRE SERIES

DOOR FRAME TYPE
 R = White regress aluminum
 F = White flat aluminum
 FB = Black flat aluminum
 S = White flat steel
 SB = Black flat steel
 RB = Black regress aluminum

SHIELDING
 A12125 = #12 pattern acrylic, .125" thick
 A19156 = #19 pattern acrylic, .156" thick
 DA = Drop dish acrylic
 PCISS = Nominal 1/2" x 1/2" x 1/2" silver polystyrene
 PC2SS = Nominal 1-1/2" x 1-1/2" x 1" silver polystyrene

For more options, accessories, and product details, refer to Information Section.

LAMP WATTAGE/TYPE
 14T5S = 2', 14-watt T5
 17 = 2', 17-watt T8
 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
 4OTT = 2', long twin tube, 40-watt

BALLAST TYPE: (dependent on specified lamp type)
 EB2 = 2-lamp electronic ballast
 EB3 = 3-lamp electronic ballast
 EB4 = 4-lamp electronic ballast
 EB2/1 = (1) 2-lamp & (1) 1-lamp electronic ballast
 EB2/2 = (2) 2-lamp electronic ballasts

EM7A = Emergency battery pack (B70A) or equivalent

VOLTAGE
 120 = 120V
 277 = 277V
 UNV = 120-277V
 347 = 347V



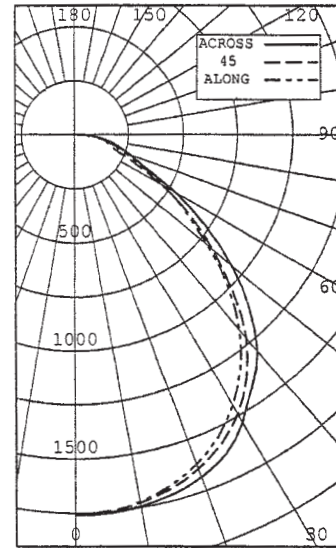
FLUORESCENT LIGHTING

Williams Catalog #12-2-231U-SA12125-EB2
Test Report #14867, Dated 6/22/00

Lamp Type: FB032/835/6
Lamp Quantity: 2

CANDLEPOWER DISTRIBUTION

VERT. ANG.	HORIZONTAL ANGLE			ZONAL LUMENS
	0	45	90	
0	1758.	1758.	1758.	
5	1750.	1747.	1758.	169
15	1680.	1693.	1721.	478
25	1543.	1578.	1630.	727
35	1322.	1372.	1420.	853
45	996.	1028.	1135.	800
55	619.	642.	730.	590
65	344.	298.	360.	333
75	186.	160.	210.	188
85	58.	62.	72.	70
90	0.	0.	0.	



LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXTURE
0 - 30	1373.	24.10	32.65
0 - 40	2226.	39.07	52.92
0 - 60	3616.	63.45	85.95
0 - 90	4207.	73.82	100.0
40 - 90	1980.	34.75	47.08
60 - 90	591.	10.37	14.05
90 - 180	0.	.00	.00
0 - 180	4207.	.00	.00

ZONAL CAVITY COEFFICIENTS

EFFECTIVE FLOOR CAVITY REFL. = .20

CEILING	.80			.70			.50		
	.70	.50	.30	.70	.50	.30	.50	.30	.10
0	.88	.88	.88	.86	.86	.86	.82	.82	.82
1	.82	.79	.76	.80	.77	.74	.74	.72	.70
2	.75	.70	.66	.74	.69	.65	.66	.63	.60
3	.70	.63	.58	.68	.62	.57	.60	.56	.52
4	.64	.57	.51	.63	.56	.50	.54	.49	.46
5	.59	.51	.45	.58	.50	.44	.48	.43	.40
6	.55	.46	.40	.53	.45	.39	.44	.39	.35
7	.51	.41	.35	.50	.41	.35	.40	.34	.31
8	.47	.37	.31	.46	.37	.31	.36	.30	.27
9	.43	.34	.28	.42	.33	.27	.32	.27	.23
10	.40	.30	.25	.39	.30	.25	.29	.24	.21

TOTAL LUMINAIRE

OPTICAL EFFICIENCY = 73.8 %

SPACING CRITERIA: ACROSS= 1.3 ALONG= 1.2

BACK VIEW

