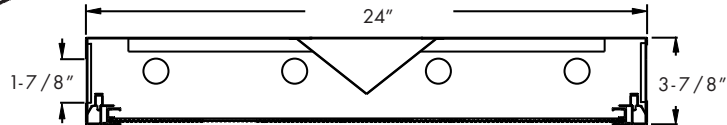
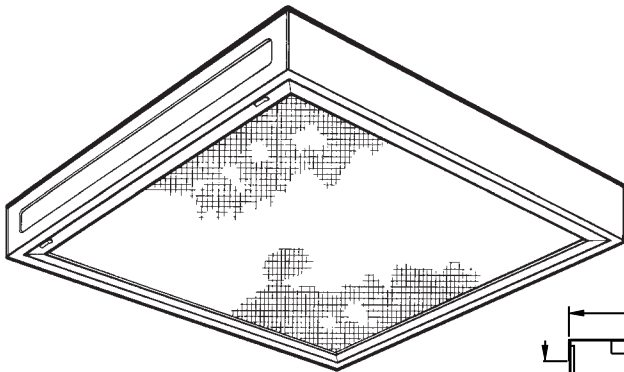


2' X 2' SURFACE MOUNT-LUMINOUS SIDE PANELS

SERIES **16-2**

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. Fully-enclosed spring-loaded cam latches.
- 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.
- Matte white acrylic side panels provide soft, luminous appearance.
- 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

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

16-2-232U-FA12125-OPTIONS-EB2-120

TOTAL LAMPS
2 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

LAMP WATTAGE/TYPE
 17 = 2', 17-watt T8
 32U = 2', U-bent, 32-watt T8, 6" leg spacing
 4OTT = 2', long twin tube, 40-watt (4 maximum)

BALLAST TYPE: (dependent on specified lamp type)
 EB2 = 2-lamp electronic ballast
 EB2/2 = (2) 2-lamp electronic ballasts

EM7A = Emergency battery pack (B70A) or equivalent

VOLTAGE
 120 = 120V
 277 = 277V



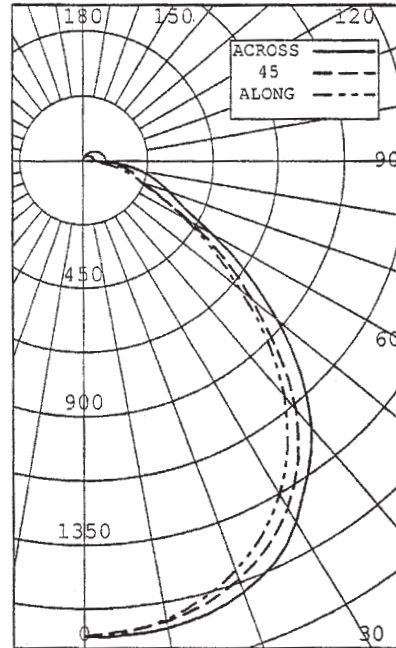
FLUORESCENT LIGHTING

Williams Catalog #16-2-232-RA12125-EB2
Test Report #14762, Dated 5/13/00

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

CANDLEPOWER DISTRIBUTION

VERT. ANG.	HORIZONTAL ANGLE			ZONAL LUMENS
	0	45	90	
0	1669.	1669.	1669.	
5	1661.	1656.	1672.	161
15	1589.	1610.	1646.	455
25	1452.	1497.	1558.	689
35	1227.	1292.	1348.	802
45	904.	949.	1061.	740
55	546.	589.	689.	541
65	298.	288.	383.	321
75	163.	187.	263.	208
85	44.	87.	136.	100
90	0.	41.	83.	
95	0.	41.	81.	44
105	0.	39.	76.	40
115	0.	35.	68.	34
125	0.	31.	58.	27
135	0.	26.	46.	19
145	0.	20.	34.	12
155	0.	13.	21.	6
165	0.	6.	10.	2
175	0.	0.	1.	0
180	0.	0.	0.	



LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXTURE
0 - 30	1304.	22.88	31.05
0 - 40	2106.	36.95	50.13
0 - 60	3387.	59.44	80.65
0 - 90	4016.	70.46	95.61
90 - 120	1910.	33.52	45.48
90 - 130	628.	11.03	14.97
90 - 150	184.	3.23	4.39
90 - 180	4200.	73.70	100.0
Total Luminaire			
0-180	4200.	73.70	100.0

TOTAL LUMINAIRE OPTICAL EFFICIENCY = 73.7 %

SPACING CRITERIA: ACROSS= 1.3 ALONG= 1.2

ZONAL CAVITY COEFFICIENTS

EFFECTIVE FLOOR CAVITY REFL. = .20

CEILING WALL RCR	.80			.70			.50		
	.70	.50	.30	.70	.50	.30	.50	.30	.10
0	87	87	87	85	85	85	80	80	80
1	80	77	74	78	75	73	72	70	68
2	74	69	64	72	67	63	64	61	58
3	68	61	56	66	60	55	58	54	50
4	63	55	50	61	54	49	52	47	44
5	58	50	43	56	48	43	47	42	38
6	54	45	39	52	44	38	42	37	33
7	50	40	34	48	40	34	38	33	30
8	46	36	31	45	36	30	34	29	26
9	42	33	27	41	32	27	31	26	23
10	39	30	24	38	29	24	28	23	20

BACK VIEW

