

FEATURES

- Heavy code gauge steel housing with embossments
- Two lens type available:
 - Clear injection molded acrylic prismatic diffuser, flat bottom with vertical sides
 - Clear extruded acrylic prismatic diffuser, flat bottom, vertical sides, and injection molded luminous ends
- White powder coat finish is applied after fabrication to provide a smooth and durable finish
- End cap has a clean appearance (knockout provided for continuous row only)
- Surface or stem mount
- Optional spacers allow mounting on combustible low density cellulose fiberboard ceilings

PROJECT INFORMATION

Project Name _____

Type _____

Catalog No. _____

Date _____

BALLASTS

Standard class "P", thermally protected, auto-resetting HPF ballast, sound rated A. All ballast leads extend a minimum of 6" through access location. NEC/CEC-compliant ballast disconnect is standard. CEE NEMA Premium compliant.

ELECTRICAL

Standard class "P," thermally protected, autoresetting HPF ballast, sound rated A. CEE NEMA Premium compliant. All ballast leads extend a minimum of 6" through access location. NEC/CEC-compliant ballast disconnect is standard.

FINISH

Housing is painted after fabrication with a white powder coat finish. Ballast cover is finished with a high gloss baked white enamel.

SHIELDING

For MWW: Clear injection molded acrylic prismatic lens with a flat bottom and vertical sides and ends. For EWW: Clear extruded acrylic prismatic lens with flat bottom and vertical sides. The ends of the lens are of injection molded acrylic material. Lens is positively secured by torsion springs and can be easily removed.

CERTIFICATION

All luminaires are built to UL 1598 standards and bear appropriate UL and cUL or CSA labels. Damp location labeling is standard. Emergency-equipped fixtures labeled UL 924.

ORDERING INFORMATION

EXAMPLE MWW4-332-3EU

MODEL	LENGTH	NO. OF LAMPS	LAMP TYPE	BALLAST	VOLTAGE	OPTIONS
MWW Injection Molded Lens	4 4'	2 Two	28 4', T5: 28 Watt	E Electronic T8, Instant Start	U 120V-277V	GLR Fast Blow Fuse
EWW Extruded Lens	8 8'	3 Three	32 4', T8: 32, 30, 28, or 25 Watt	3E 3-Lamp Electronic T8, Instant Start	347 347V	EL Emergency Battery Pack
		4 Four	54 4', T5HO: 54 or 51 Watt	4E 4-Lamp Electronic T8, Instant Start		NL Compact Twin Tube Fluorescent Night Light in G23 Base for 5W, 7W, 9W or GX23 Base for 13W. (120V or 277V; Lamp not included)
				EP Electronic T5 or T8, Programmed Start		NYC NYC Compliant
				3EP 3-Lamp Electronic T5HO (N/A 347V) or T8, Programmed Start		NYCU NYC Compliant, Union Label
				4EP 4-Lamp Electronic T5HO (N/A 347V) or T8, Programmed Start		

For a specific ballast vendor show as option.

ACCESSORIES (ORDER SEPARATELY)

- S18 18" Stem, Canopy
- SS18 18" Swivel Stem-45° Swivel
- CS-2 Ceiling Spacer
- SB3 Stem Mounting Bracket (Required for 3-Lamp units only)

PHOTOMETRIC DATA

LUMINAIRE DATA

Luminaire	MWW4-332-A12-3E MWN/MWW Wraps 16" x 49" 3-Lamp with Acrylic Prismatic Wrap Lens
Ballast	B332I120RH
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	83
Mounting	Surface
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.24 90° = 1.34
Luminous Opening in Feet	Length: 4.00 Width: 1.22 Height: 0.00

AVG. LUMINANCE (Candela/Sq. M.)

	0.0	22.5	45.0	67.5	90.0
0	5170	5170	5170	5170	5170
30	5025	5214	5468	5547	5555
40	4653	4846	5168	5284	5298
45	4236	4411	4660	4844	4832
50	3565	3761	3624	4018	3977
55	2765	3107	2980	3480	3342
60	2117	2506	2740	3066	2819
65	1926	2140	2641	2897	2803
70	2070	2180	2547	3147	3308
75	2369	2531	2906	4108	4696
80	2769	3188	3798	6224	7012
85	3644	4758	6277	11870	13388

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1904	21.9	27.7
0-40	3126	35.9	45.5
0-60	5007	57.5	72.9
0-90	6237	71.7	90.8
90-120	481	5.5	7.0
90-130	555	6.4	8.1
90-150	624	7.2	9.1
90-180	634	7.3	9.2
0-180	6871	79.0	100.0

COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50				0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	84	80	76	73	81	77	74	71	73	70	68	59	
2	77	70	65	60	74	68	63	59	64	60	57	50	
3	70	62	56	51	68	60	55	50	57	52	48	43	
4	65	55	49	44	62	54	48	43	51	46	42	37	
5	60	50	43	38	57	49	42	37	46	41	36	33	
6	55	45	38	33	53	44	38	33	42	36	32	29	
7	51	41	34	30	50	40	34	29	38	33	29	26	
8	48	38	31	27	46	37	31	26	35	30	26	23	
9	45	34	28	24	43	34	28	24	32	27	23	21	
10	42	32	26	22	41	31	25	22	30	25	21	19	

RCR = Room Cavity Ratio

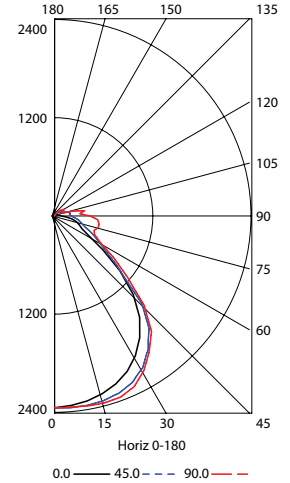
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	79.0%
Luminaire Efficacy Rating (LER)	73
IESNA RP-1-2004 Compliance	Noncompliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.29 based on 3000 hrs. and \$0.08 per KWH

Test 11810 Test Date 6/25/97

INDOOR CANDELA PLOT



LUMINAIRE DATA

Luminaire	EWV4-332-A12-3E EWN/EVV Wraps 16" x 49" 3-Lamp with Acrylic Prismatic Wrap Lens
Ballast	B332I120RH
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	82
Mounting	Surface
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.24 90° = 1.42
Luminous Opening in Feet	Length: 4.00 Width: 1.22 Height: 0.00

AVG. LUMINANCE (Candela/Sq. M.)

	0.0	22.5	45.0	67.5	90.0
0	5219	5219	5219	5219	5219
30	5033	5239	5570	5792	5843
40	4619	4976	5520	5836	5836
45	4121	4632	5234	5431	5284
50	3452	4149	4619	4797	4694
55	2980	3542	4011	4311	4511
60	2792	3009	3600	4151	4628
65	2735	2719	3434	4128	4729
70	2689	2431	3121	4050	4727
75	2531	2489	2608	3102	3375
80	2642	3328	3290	3277	3049
85	3493	4910	5290	5662	4505

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1923	22.1	27.3
0-40	3200	36.8	45.5
0-60	5359	61.6	76.1
0-90	6607	75.9	93.8
90-120	330	3.8	4.7
90-130	378	4.3	5.4
90-150	424	4.9	6.0
90-180	433	5.0	6.2
0-180	7040	80.9	100.0

COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50				0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	87	83	80	77	84	81	78	75	76	74	72	64	
2	79	73	67	63	77	71	66	62	67	63	60	54	
3	73	64	58	53	70	63	57	52	60	55	50	46	
4	67	57	50	45	64	56	49	44	53	48	43	39	
5	61	51	44	39	59	50	43	39	48	42	38	34	
6	57	46	39	34	55	45	39	34	43	37	33	30	
7	53	42	35	30	51	41	35	30	39	34	29	27	
8	49	38	32	27	48	38	31	27	36	30	26	24	
9	46	35	29	24	44	35	28	24	33	28	24	21	
10	43	32	26	22	42	32	26	22	31	25	22	19	

RCR = Room Cavity Ratio

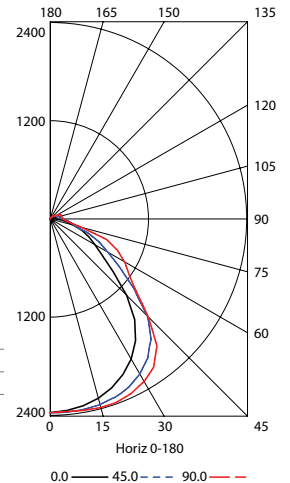
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

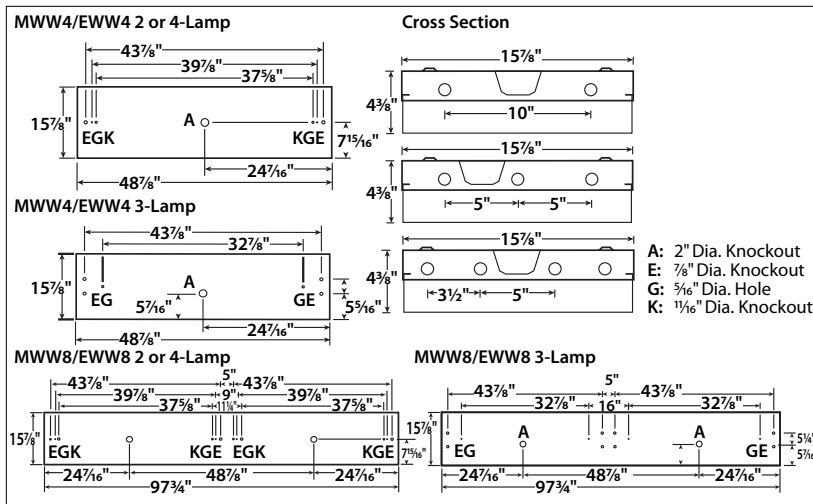
Total Luminaire Efficiency	80.9%
Luminaire Efficacy Rating (LER)	76
IESNA RP-1-2004 Compliance	Noncompliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.16 based on 3000 hrs. and \$0.08 per KWH

Test 11866 Test Date 8/4/97

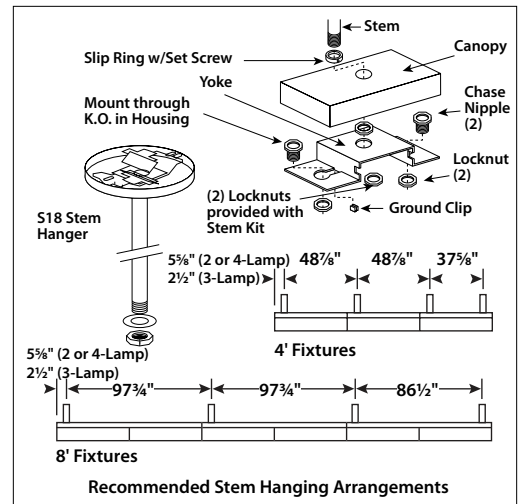
INDOOR CANDELA PLOT



DIMENSIONAL DATA



STEM MOUNTING



NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.