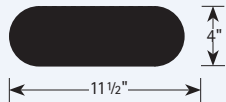

FEATURES

- Shielding is available with either a straight blade baffle, a parabolic louver, or lens
- Durable die-formed steel
- Controls compatible
- High efficiency with wide distribution
- End caps attach with no visible fasteners
- Ideal for classrooms, retail environments, or any application requiring an economical yet high performance direct/indirect fixture

SHAPE AND DIMENSIONS

PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- Standard lengths of 4 and 8 feet housings.
- Snap-on ballast cover allows easy, time-saving access to the ballast and wiring, even with lamps installed.
- Fixture relamps quickly from above, with no fixture components to remove.
- End caps are molded polystyrene and attach to the housing with no visible fasteners.
- For continuous row applications, fixtures can be firmly locked together with rigid bolt connections.
- Aligners eliminate light trespass at connections and ensure a tight fit between fixtures.

FINISH

Exterior metal parts are painted after fabrication with durable corrosion resistant powder coat finish. Custom colors available upon request. End caps finished to match housing color.

SHIELDING

- Louvers: lift and shift for easy access to the ballast, with safety tethers provided as standard for additional safety.
- LD louver is 1 1/4" deep with 14 cells, providing a 21° parallel shielding.

- Removal not necessary for lamp replacement. Constructed of heavy gauge die formed steel. The baffle is finished in gloss white or matte gray enamel as specified.
- WCB is 1" deep with 24 cells
- GL louvers providing a 27° parallel shielding angle.

MOUNTING

The ME series is designed for suspended installation from the ceiling. The standard mounting is an 18" pendant with all matte white components. For other hanger selections, refer to Hanger Options section of the Alera binder. For hanging locations, refer to the specification sheet.

LABELS AND ELECTRICAL

- UL 1598 or CSA
- Prewired w/ T8 electronic ballasts
- Quick connect plugs standard
- Damp label on most models

Name:	ME-2T8-WCB-E
Test #:	I40009
Efficiency:	80.7%
LER:	70

ORDERING INFORMATION
EXAMPLE: ME-8-2T8-PM18-EU-MW

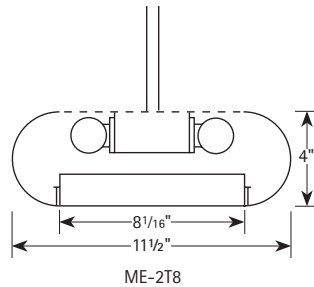
ME - - 2T8 - - - - -	
MODEL ME Mentor	LAMP TYPE AND PROFILE 2T8 Two T8 Lamps
MOUNTING PM Pendant Mount (S18 Std.) CM Adjustable Aircraft Cable Mount SM Surface Mount	ADJUSTABLE CABLE LENGTH 48 48" 96 96" Other lengths available on request.
BALLAST E Electronic, Instant Start, (Std. for T8) EP Electronic, Programmed Start (Optional for T8) ED Electronic, Dimming (Must specify) Unless specified, Alera will use fewest ballasts possible.	FINISH MW Matte White (Std.) ZT ZET Metallic Silver See MTX-1 for other color selections.
ROW LENGTH 4 4' Single 8 8' Single – Indicate row length over 8' in 4' increments Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.	DISTRIBUTION Blank Standard 20/80 20% Uplight Reflector, 80% Downlight 0/100 100% Downlight 100/0 100% Uplight
SHIELDING LD Low Iridescent Semi-Specular Louver (Std.) GL Straight Blade Louver, Matte Gray A12 Pattern 12 Acrylic Lens OP Opal Acrylic Lens WCB White Cross Baffle	VOLTAGE U 120V-277V 120 120V 277 277V 347 347V
	OPTIONS LR Left/Right Switching EL One Emergency Battery Pack ^{1,2} EMC One Emergency Circuit ^{2,3} NL Night Light Circuit ^{2,3} GLR Fast Blow Fuse GMF Slow Blow Fuse CSA UL listed or CSA certified for Canada DL Damp Label (Available on most models)

¹ Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120).

² Not available with all configurations; some limitations apply. Contact factory for details.

³ One extra feed drop per EMC. (For through wiring, contact factory.)

CROSS SECTION



PHOTOMETRIC DATA

LUMINAIRE DATA Test I40009

Luminaire	ME-2T8-WCB-E ME Architectural Curve 1' x 4' Dir/Ind 2-L T8 with 24-Cell 1" Tall BWE Louver
Ballast	B2321120
Ballast Factor	0.96
Lamp	F032/41K
Lumens per Lamp	2900
Watts	64
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = 1.09 90° = 1.38
Luminous Opening in Feet	Length: 4.00 Width: 0.69 Height: 0.00

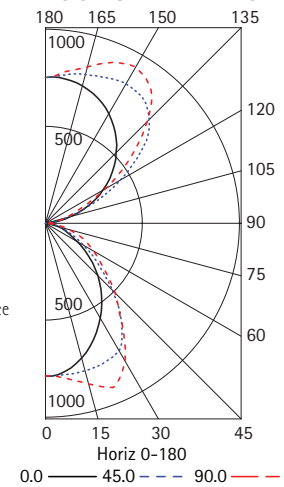
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	3065	3065	3065	3065	3065
30	2540	2842	3423	3648	3693
40	2266	2708	3039	3019	2999
45	2107	2647	2692	2725	2802
50	1923	2518	2330	2482	2518
55	1707	2223	2074	2203	2332
60	1474	1880	1786	2044	2239
65	1283	1495	1569	1938	2187
70	1186	1323	1334	1824	2087
75	1100	1236	1221	1642	1989
80	1033	1145	1123	1392	1797
85	895	1119	940	1208	1298

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	78	75	72	69	71	68	66	63	57	55	53	30				
2	71	65	61	57	65	60	56	52	50	47	44	25				
3	65	58	52	47	59	53	48	44	44	41	38	22				
4	60	51	45	40	54	47	42	38	39	35	32	19				
5	55	46	39	35	50	42	37	32	35	31	28	17				
6	50	41	35	30	46	38	32	28	32	28	24	15				
7	47	37	31	26	43	34	29	25	29	25	21	13				
8	43	34	27	23	40	31	26	22	26	22	19	12				
9	40	31	25	21	37	28	23	19	24	20	17	11				
10	38	28	22	19	34	26	21	17	22	18	15	10				

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	651	11.2	13.9
0-40	1055	18.2	22.5
0-60	1703	29.4	36.4
0-90	2013	34.7	43.0
90-120	497	8.6	10.6
90-130	963	16.6	20.6
90-150	1996	34.4	42.6
90-180	2668	46.0	57.0
0-180	4681	80.7	100.0

RCR = Room Cavity Ratio
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	80.7%
Luminaire Efficacy Rating (LER)	70
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Normal Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.43 based on 3000 hrs. and \$0.08 per KWH

Test Date 9/18/07

PHOTOMETRIC DATA

LUMINAIRE DATA Test 10696

Luminaire	ME-2T8-GL-E ME Architectural Curve 1' x 4' 2-Lamp with 1 x 24 Cell 1" Deep Gray Straight Blade Louver
Ballast	SSB2-120-2/32IS LH
Ballast Factor	0.88
Lamp	F032/741
Lumens per Lamp	2850
Watts	58
Mounting	Pendant
Shielding Angle	0° = 27 90° = 18
Spacing Criterion	0° = 1.05 90° = 1.42
Luminous Opening in Feet	Length: 3.96 Width: 0.68 Height: 0.30

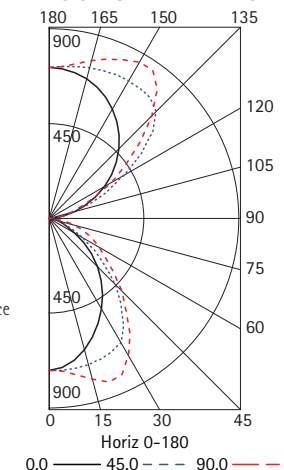
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	2882	2882	2882	2882	2882
30	2193	2243	2599	2680	2763
40	1879	1987	2120	2085	2152
45	1703	1844	1826	1783	1914
50	1494	1660	1477	1518	1638
55	1258	1356	1200	1236	1394
60	982	1012	906	1033	1242
65	765	657	642	860	1103
70	648	487	414	664	935
75	506	359	294	429	712
80	370	235	187	232	473
85	197	98	80	100	167

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	71	68	66	63	65	62	60	58	51	50	48	27				
2	65	60	56	52	59	55	51	48	45	43	41	23				
3	60	53	48	44	54	49	44	41	40	37	35	20				
4	55	47	41	37	50	43	38	35	36	32	30	17				
5	50	42	36	32	46	39	34	30	32	29	26	15				
6	46	38	32	28	42	35	30	26	29	25	22	13				
7	43	34	28	24	39	31	26	23	26	23	20	12				
8	40	31	25	22	36	29	24	20	24	20	18	11				
9	37	28	23	19	34	26	21	18	22	18	16	10				
10	34	26	21	17	32	24	19	16	20	17	14	9				

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	589	10.3	14.0
0-40	952	16.7	22.6
0-60	1524	26.7	36.2
0-90	1749	30.7	41.5
90-120	466	8.2	11.1
90-130	891	15.6	21.1
90-150	1841	32.3	43.7
90-180	2462	43.2	58.5
0-180	4211	73.9	100.0

RCR = Room Cavity Ratio
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	73.9%
Luminaire Efficacy Rating (LER)	64
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Normal Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.75 based on 3000 hrs. and \$0.08 per KWH

Test Date 2/24/94