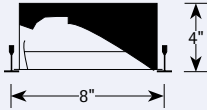




FEATURES

- Wall washing makes environment appear larger and brighter
- Mount on walls to wash ceiling or floor
- Wide light distribution provides uniform illumination at up to 8' spacings
- Model with unique kicker reflector directs majority of light on wall up to ceiling line
- Used at ends and sides of parabolic rows
- Choice of linear kicker reflector or cross baffle
- Anodized low iridescent aluminum reflector
- White powder coat finish painted after fabrication
- Ideal for office or retail

SHAPE AND DIMENSIONS



PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- The luminaire housing is constructed of die formed code gauge cold rolled steel.
- The reflector assembly is constructed of anodized aluminum and is designed to present a clean uninterrupted reflecting surface.
- Ballast is housed above front reflector and is totally accessible from below.
- Standard fixture has no reveal. A spread lens is also available as an option. The spread lens is only available with the twin tube compact fluorescent lamp and shields 75% of the lamp.

FINISH

Painted parts are treated with a five-stage phosphate bonding process and finished with a high temperature baked enamel after fabrication. The reflector assembly is constructed of semi-specular low iridescent anodized aluminum (LD).

CEILING COMPATIBILITY

The Enhance is available to fit most ceiling systems such as NEMA type G (lay-in), type F (overlapping flange), and type SG (Slot Grid). For type F applications, a type G fixture will be supplied along with a flange kit for the fixture to sit in. The flange kit is assembled in the field and is wired directly into the ceiling structure. The flange kit should be installed before the fixture is installed. The G unit fits into a standard grid ceiling.

INSTALLATION

For fast wiring connections without the necessity of opening fixture or wireway, an adapter plate is furnished with each 2' and 4' unit.

LABELS AND ELECTRICAL

All units bear appropriate UL and CSA recessed fixture labels. Completely wired with standard Class "P" LE ballasts, 120V standard.

Name:	EN-1T8-LDK
Test #:	12559
Efficiency:	54.1%
LER:	33

ORDERING INFORMATION

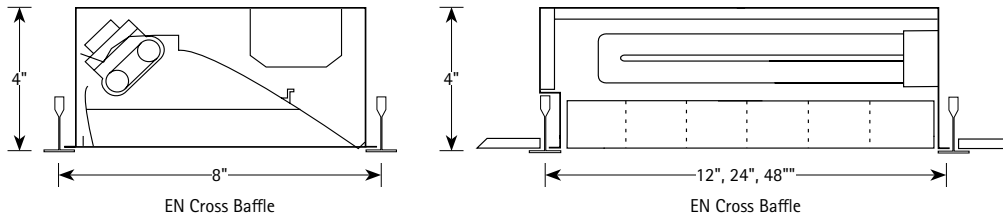
EXAMPLE: EN81-1T8G-LDB-EU

EN	-	1	-	LD	-	B	-	-	-
MODEL		NO. OF LAMPS IN CROSS SECTION		LOUVER FINISH		APERTURE		VOLTAGE	OPTIONS
EN Enhance		1 One		LD Low Iridescent Semi-Specular Louver (Std.)		B Cross Baffle		U 120V-277V 120 120V 277 277V 347 347V	MS9 Master/Satellite Pair with 9' Harness MC Mitered Corner PWFK1 Flange Kit, 1' Single Unit PWFK2 Flange Kit, 2' Single Unit PWFK4 Flange Kit, 4' Single Unit GLR Fast Blow Fuse GMF Slow Blow Fuse CSA UL listed or CSA certified for Canada DL Damp Label (Available on most models)
SIZE		LAMP TYPE		MOUNTING METHOD		BALLAST			
81 8" x 1'		T8 T8 Lamp		G Grid		E Electronic, Instant Start, (Std. for T8)			
82 8" x 2'		18TT 18 Watt, Twin Tube Compact Fluorescent ¹		F Flange (Flange Kit)		EP Electronic, Programmed Start (Optional for T8)			
84 8" x 4'		40TT 40 Watt, Twin Tube Compact Fluorescent ¹		SG Slot Grid		ED Electronic, Dimming (Must specify)			
		50TT 50 Watt, Twin Tube Compact Fluorescent ¹		SM Surface Mount		ETT Electronic Twin Tube, Instant Start			
				WM Wall Mount		EPTT Electronic Twin Tube, Programmed Start			

Unless specified, Alera will use fewest ballasts possible.

¹ No. of lamps in 8" x 4' unit for all TT lamp types is 2.

CROSS SECTION



Note: No. of lamps in 8" x 4" unit for all TT lamp types is 2.

PHOTOMETRIC DATA

LUMINAIRE DATA Test 12562

Luminaire	EN82-140TTG-LDB-ETT EN Architectural Recessed 8" x 24" 1-Lamp Linear Wall Wash with 1 x 9 Cell Louver
Ballast	B240I120HP
Ballast Factor	1.00
Lamp	F40BX
Lumens per Lamp	3150
Watts	41
Mounting	Recessed
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 1.88 Width: 0.49 Height: 0.00

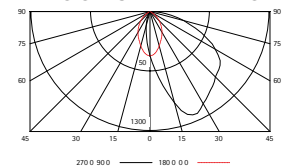
AVG. LUMINANCE (Candela/Sq. M.)

Angle	90.0	135.0	180.0	225.0	270.0
0	5620	5620	5620	5620	5620
30	15678	11833	3535	796	175
40	16214	10799	2761	183	76
45	16706	10047	2346	182	83
50	17869	9253	1872	164	91
55	19047	8271	1324	163	102
60	19210	6987	631	164	117
65	18773	4617	359	166	55
70	18004	1606	307	171	34
75	17201	1264	226	135	45
80	15948	1077	202	135	67
85	15418	939	134	134	0

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	46	44	42	41	44	43	41	40	41	40	39	36	0			
2	42	38	36	34	41	38	35	33	36	34	32	30	0			
3	38	34	31	28	37	33	30	28	32	30	28	26	0			
4	35	30	27	24	34	30	27	24	29	26	24	22	0			
5	32	27	24	21	31	27	23	21	26	23	21	19	0			
6	30	25	21	18	29	24	21	18	23	20	18	17	0			
7	28	22	19	16	27	22	19	16	21	18	16	15	0			
8	26	20	17	15	25	20	17	15	20	17	14	14	0			
9	24	19	15	13	24	18	15	13	18	15	13	12	0			
10	23	17	14	12	22	17	14	12	17	14	12	11	0			

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	402	12.8	30.8
0-40	654	20.8	50.1
0-60	1108	35.2	84.9
0-90	1306	41.5	100.0
0-180	1306	41.5	100.0

ENERGY DATA

Total Luminaire Efficiency	41.5%
Luminaire Efficacy Rating (LER)	32
ANSI/IESNA RP-1-2004 Compliance	-
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$7.50 based on 3000 hrs. and \$0.08 per KWH

Test Date 7/14/00

PHOTOMETRIC DATA

LUMINAIRE DATA Test 12563

Luminaire	EN84-240TTG-LDB-ETT EN Architectural Recessed 8" x 48" 2-Lamp Linear Wall Wash with 1 x 18 Cell Louver
Ballast	B240I120HP
Ballast Factor	0.88
Lamp	F40BX
Lumens per Lamp	3150
Watts	68
Mounting	Recessed
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 3.88 Width: 0.49 Height: 0.00

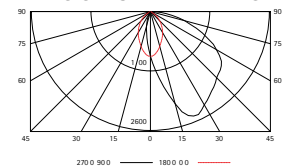
AVG. LUMINANCE (Candela/Sq. M.)

Angle	90.0	135.0	180.0	225.0	270.0
0	5514	5514	5514	5514	5514
30	15376	11604	3465	778	170
40	15912	10598	2705	177	81
45	16390	9864	2306	176	80
50	17528	9072	1832	167	79
55	18676	8104	1293	168	99
60	18853	6839	611	159	102
65	18407	4541	362	174	67
70	17663	1589	298	166	50
75	16888	1269	219	131	44
80	15683	1043	196	130	33
85	15071	909	195	130	65

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	46	44	43	41	45	43	42	40	42	40	39	36	0			
2	42	39	36	34	41	38	36	34	37	35	33	31	0			
3	39	34	31	29	38	34	31	28	33	30	28	26	0			
4	35	31	27	25	35	30	27	24	29	26	24	23	0			
5	33	28	24	21	32	27	24	21	26	23	21	20	0			
6	30	25	21	19	29	24	21	19	24	21	18	17	0			
7	28	23	19	17	27	22	19	16	22	19	16	15	0			
8	26	21	17	15	26	20	17	15	20	17	15	14	0			
9	24	19	16	13	24	19	15	13	18	15	13	12	0			
10	23	18	14	12	22	17	14	12	17	14	12	11	0			

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	814	12.9	30.8
0-40	1323	21.0	50.1
0-60	2244	35.6	84.9
0-90	2644	42.0	100.0
0-180	2644	42.0	100.0

ENERGY DATA

Total Luminaire Efficiency	42.0%
Luminaire Efficacy Rating (LER)	34
ANSI/IESNA RP-1-2004 Compliance	-
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$7.06 based on 3000 hrs. and \$0.08 per KWH

Test Date 7/14/00