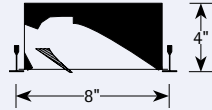




FEATURES

- 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
- Ideal for office, retail and schools
- 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

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.
- The kicker reflector is highly polished extruded aluminum and is not adjustable. The kicker reflector shields the lamp completely from room side and 9° from nadir on the wall side.
- Ballast is housed above front reflector and is totally accessible from below.

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

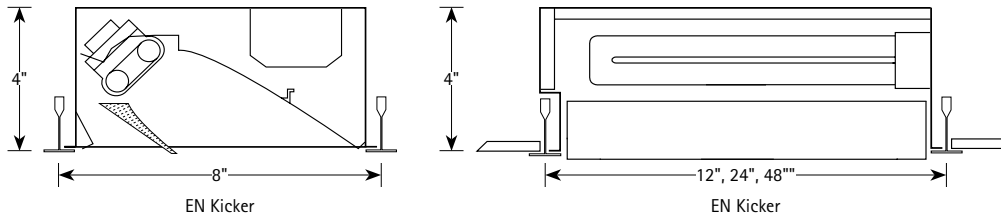
ORDERING INFORMATION

EXAMPLE: EN81-1T8G-LDK-EU

EN	-	1	-	LD	-	K	-	-	-
MODEL		NO. OF LAMPS IN CROSS SECTION		LOUVER FINISH		APERTURE		VOLTAGE	OPTIONS
EN Enhance		1 One		LD Low Iridescent Semi-Specular Louver (Std.)		K Kicker		U 120V-277V 120 120V 277 277V 347 347V	MS9 Master/Satellite Pair with 9' Harness MC Mitered Corner LENS Spread Lens (Twin Tube) 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 12564

Luminaire	EN82-140TTG-LDK-TT EN Architectural Recessed 8" x 24" 1-Lamp Linear Wall Wash
Ballast	8G3375W
Ballast Factor	0.95
Lamp	F40BX
Lumens per Lamp	3150
Watts	47
Mounting	Recessed
Shielding Angle	0° = 10 90° = 10
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 1.92 Width: 0.53 Height: 0.00

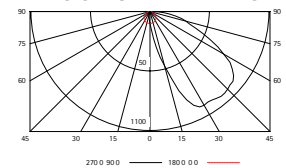
AVG. LUMINANCE (Candela/Sq. M.)

Angle	90.0	135.0	180.0	225.0	270.0
0	1142	1142	1142	1142	1142
30	12214	9307	1185	232	110
40	14126	11185	1188	110	55
45	15184	11653	1197	75	45
50	16489	12572	1185	66	49
55	17132	13352	1143	55	37
60	16628	14386	1121	42	42
65	15318	14767	1076	50	25
70	13886	13639	1021	62	31
75	14100	11484	981	41	41
80	14742	11269	975	61	61
85	16385	12623	1699	121	121

COEFFICIENTS OF UTILIZATION (%)

RCR	RW	80					70					50					0
		70	50	30	10	70	50	30	10	50	30	10	0				
1	49	46	44	42	48	45	43	41	43	41	40	36					
2	44	39	36	33	42	38	35	32	37	34	31	29					
3	39	34	29	26	38	33	29	26	31	28	25	23					
4	35	29	24	21	34	28	24	21	27	23	21	19					
5	32	25	21	17	31	25	21	17	24	20	17	16					
6	29	22	18	15	28	22	18	15	21	17	14	13					
7	27	20	16	12	26	20	15	12	19	15	12	11					
8	25	18	14	11	24	18	14	11	17	13	11	9					
9	23	16	12	9	22	16	12	9	15	12	9	8					
10	21	15	11	8	21	15	11	8	14	11	8	7					

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	213	6.8	14.8
0-40	435	13.8	30.2
0-60	1008	32.0	69.9
0-90	1443	45.8	100.0
0-180	1443	45.8	100.0

ENERGY DATA

Total Luminaire Efficiency	45.8%
Luminaire Efficacy Rating (LER)	29
ANSI/IESNA RP-1-2004 Compliance	-
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$8.28 based on 3000 hrs. and \$0.08 per KWH

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

Test Date 7/14/00

PHOTOMETRIC DATA

LUMINAIRE DATA Test 12560

Luminaire	EN84-240TTG-LDK-TT EN Architectural Recessed 8" x 48" 2-Lamp 40 Watt Biax Wall Wash
Ballast	SSB1-120-2/40-TT-LH
Ballast Factor	0.86
Lamp	F40BX
Lumens per Lamp	3150
Watts	65
Mounting	Recessed
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 3.92 Width: 0.53 Height: 0.00

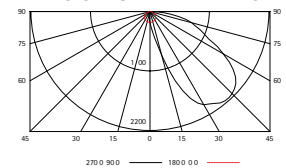
AVG. LUMINANCE (Candela/Sq. M.)

Angle	90.0	135.0	180.0	225.0	270.0
0	1021	1021	1021	1021	1021
30	11893	8848	1071	185	114
40	14575	11944	1082	122	81
45	15709	13064	1084	110	73
50	16684	14331	1088	97	73
55	16991	15329	1066	90	45
60	16154	16258	1026	73	52
65	14625	16109	956	61	49
70	14921	14830	863	76	61
75	15894	13872	781	100	80
80	16261	14739	716	119	119
85	15753	13970	832	238	238

COEFFICIENTS OF UTILIZATION (%)

RCR	RW	80					70					50					0
		70	50	30	10	70	50	30	10	50	30	10	0				
1	51	49	46	44	50	47	45	43	45	43	42	38					
2	46	41	37	34	44	40	36	33	38	35	32	30					
3	41	35	30	27	40	34	30	26	33	29	26	24					
4	37	30	25	21	36	29	25	21	28	24	21	19					
5	33	26	21	17	32	26	21	17	25	20	17	16					
6	30	23	18	15	29	23	18	14	22	17	14	13					
7	28	20	16	12	27	20	15	12	19	15	12	11					
8	26	18	14	11	25	18	14	11	17	13	10	9					
9	24	17	12	9	23	16	12	9	16	12	9	8					
10	22	15	11	8	21	15	11	8	14	10	8	7					

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	376	6.0	12.3
0-40	825	13.1	27.1
0-60	2069	32.8	67.9
0-90	3049	48.4	100.0
0-180	3049	48.4	100.0

ENERGY DATA

Total Luminaire Efficiency	48.4%
Luminaire Efficacy Rating (LER)	40
ANSI/IESNA RP-1-2004 Compliance	-
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$6.00 based on 3000 hrs. and \$0.08 per KWH

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

Test Date 7/14/00