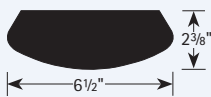

Lexim
FEATURES

- Sleek low profile appearance in oval shape
- Indirect Luminaire
- One, two, or three T5 or T5HO lamps in a dedicated housing and optical system
- Heavy 20-gauge steel construction for excellent housing rigidity
- Controls compatible
- Unique tabbing system allows quick and easy installation when placing fixtures in rows
- Modular lengths and suspension points for ease of installation

SHAPE AND DIMENSIONS

PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- Heavy 20-gauge steel in a very compact 6½" × 2¾" housing.
- One, two, or three T5 or T5 HO lamps.
- 48" hanging modular increments.
- 4', 8', and 12' lengths.
- Housing shape is maintained by the use of an inner structural plate at each socket location. The plate is tabbed and welded into the housing ensuring housing tolerances are consistent. Aligner fingers are standard on the plate enabling fixtures to be attached together in straight continuous rows without misalignment between fixtures.
- End caps are made of 16-gauge construction and attach with nuts and bolts.
- White-painted steel reflector with specular sides. A high efficiency reflector (HRF) option is constructed of specular anodized aluminum and allows for wide distribution with maximum efficiency.

FINISH

The housing and all painted parts are treated with a five stage phosphate bonding process before being finished. Parts are then finished with a matte white RAL powder coat finish for maximum durability.

MOUNTING

- Aircraft cable suspension mechanism.
- Total vertical cable adjustment of 1¼". A barrel at the end of the cable screws onto a standard ¼-20 bolt brought down from the ceiling.
- Cover plates are provided to shield the ceiling cutout.

LABELS AND ELECTRICAL

- UL or CSA labels
- Prewired w/ T5 and T5HO electronic ballasts
- Damp label available on most models
- Quick connect plugs standard

Name:	LEX-2T5HO-S-EP-WR
Test #:	12905
Efficiency:	107.3%
LER:	78

ORDERING INFORMATION
EXAMPLE: LEX-8-2T5HO-PERF-CM48-EPU-MW-HRF

MODEL	LAMP TYPE AND PROFILE	MOUNTING METHOD	BALLAST	FINISH
LEX Lexim	1T5 1 T5 Lamp 2T5 2 T5 Lamps 3T5 3 T5 Lamps 1T5HO 1 T5HO Lamp 2T5HO 2 T5HO Lamps 3T5HO 3 T5HO Lamps	FCM Fixed Aircraft Cable Mount (Std.) CM Adjustable Aircraft Cable Mount See HGR-1 for other hanging methods.	EP Electronic, Programmed Start ED Electronic, Dimming (Must specify) ESD Electronic, Step Dimming Unless specified, Alera will use fewest ballasts possible.	MW Matte White (Std.) ZT ZET Metallic Silver See MTX-1 for other color selections.
ROW LENGTH	HOUSING TYPE	ADJUSTABLE CABLE LENGTH	VOLTAGE	OPTIONS
4 4' Single 8 8' Single 12 12' Single – Indicate row length over 8' in 4' increments	S Solid PERF Perforated AP All Perforated HSLT Horizontal Slot Strip VLST Vertical Slot Strip	48 48" 96 96" Other lengths available on request.	U 120V-277V 120 120V 277 277V 347 347V	HRF High Efficiency Reflector LR Left/Right Switching IBOB Inboard/Outboard Switching, 3-Lamp Units 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 TBAR T-Bar Mounting CSA UL listed or CSA certified for Canada DL Damp Label (Available on most models)

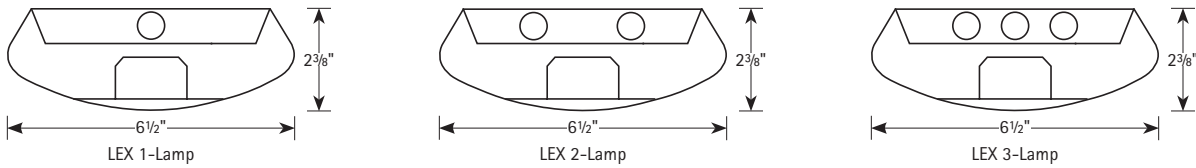
Note: Rows over 12' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.

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 row with through wiring. (Standard is one 4ft lamp per circuit.)

CROSS SECTION



PHOTOMETRIC DATA

LUMINAIRE DATA Test 12894

Luminaire	LEX-1T5HO-PERF-EP-HRF Lexim Architectural Curve 7" x 48" 1-Lamp w/ Slotted High Efficiency Specular Reflector
Ballast	QT1X54/120PHO
Ballast Factor	1.00
Lamp	F54T5
Lumens per Lamp	4400
Watts	59
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.53 90° = 1.92
Luminous Opening in Feet	Length: 3.58 Width: 0.33 Height: 0.00

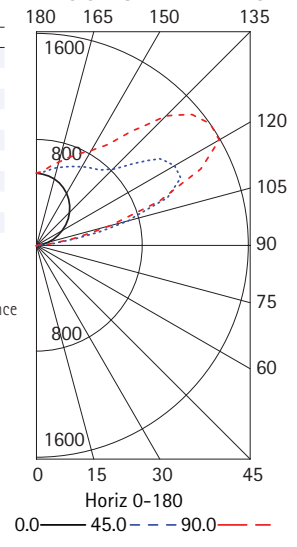
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	27	27	27	27	27
30	32	32	32	32	32
40	36	36	36	48	48
45	39	39	39	52	52
50	43	43	43	57	57
55	32	32	48	48	48
60	36	36	55	55	55
65	43	43	43	65	65
70	27	53	53	53	53
75	35	35	70	70	70
80	52	52	52	105	105
85	105	105	105	105	105

COEFFICIENTS OF UTILIZATION (%)

RC	80					70					50				
	RW	70	50	30	10	70	50	30	10	50	30	10	0		
1	83	79	76	73	71	68	65	63	47	45	43	0	0		
2	76	69	64	59	65	59	55	51	41	38	36	0	0		
3	69	61	54	49	59	52	47	43	36	33	30	0	0		
4	63	53	47	41	53	46	40	36	32	28	25	0	0		
5	57	47	40	35	49	41	35	30	28	24	22	0	0		
6	53	42	35	30	45	36	30	26	25	21	18	0	0		
7	48	38	31	26	41	32	27	22	22	19	16	0	0		
8	45	34	27	22	38	29	23	19	20	16	14	0	0		
9	41	31	24	19	35	26	21	17	18	15	12	0	0		
10	38	28	21	17	33	24	19	15	17	13	11	0	0		

INDOOR CANDELA PLOT



Test Date 6/8/01

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	3	0.1	0.1
0-40	5	0.1	0.1
0-60	10	0.2	0.2
0-90	16	0.4	0.4
90-120	1678	38.1	39.7
90-130	2581	58.7	61.1
90-150	3690	83.9	87.3
90-180	4211	95.7	99.6
0-180	4226	96.1	100.0

ENERGY DATA

Total Luminaire Efficiency	96.1%
Luminaire Efficacy Rating (LER)	72
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.33 based on 3000 hrs. and \$0.08 per KWH

PHOTOMETRIC DATA

LUMINAIRE DATA Test 12895

Luminaire	LEX-1T5HO-PERF-EP Lexim Architectural Curve 7" x 48" 1-Lamp w/ Specular Inserts and Slotted White Reflector
Ballast	B254PUNV-D
Ballast Factor	1.10
Lamp	F54T5
Lumens per Lamp	4400
Watts	67
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.33 90° = 1.24
Luminous Opening in Feet	Length: 3.58 Width: 0.33 Height: 0.00

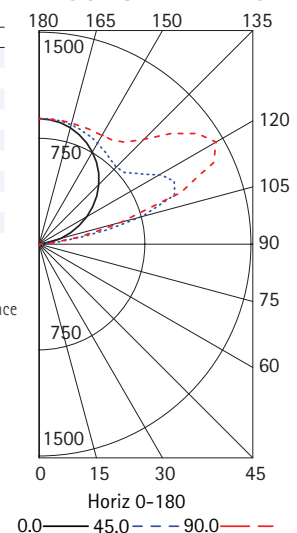
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	64	64	64	64	64
30	63	53	63	63	63
40	59	59	59	59	59
45	64	52	64	64	64
50	57	57	57	71	71
55	64	64	64	79	79
60	55	55	55	91	91
65	65	65	86	86	86
70	53	53	80	80	80
75	70	70	70	70	70
80	52	52	105	105	105
85	105	105	105	105	209

COEFFICIENTS OF UTILIZATION (%)

RC	80					70					50				
	RW	70	50	30	10	70	50	30	10	50	30	10	0		
1	85	81	78	75	73	70	67	64	48	46	45	0	0		
2	77	71	65	61	66	61	56	53	42	39	37	0	0		
3	71	62	56	50	60	53	48	44	37	33	31	0	0		
4	64	55	48	42	55	47	41	37	32	29	26	0	0		
5	59	48	41	36	50	42	36	31	29	25	22	0	0		
6	54	43	36	31	46	37	31	27	26	22	19	0	0		
7	50	38	31	26	42	33	27	23	23	19	16	0	0		
8	46	35	28	23	39	30	24	20	21	17	14	0	0		
9	42	31	24	20	36	27	21	17	19	15	12	0	0		
10	39	28	22	17	33	24	19	15	17	13	11	0	0		

INDOOR CANDELA PLOT



Test Date 2/24/01

PHOTOMETRIC DATA
LUMINAIRE DATA Test 12896

Luminaire	LEX-1T5HO-PERF-EP-WR Lexim Architectural Curve 7" x 48" 1-Lamp with Slotted White Reflector
Ballast	QT1X54/12OPHO
Ballast Factor	1.00
Lamp	F54T5
Lumens per Lamp	4400
Watts	59
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.47 90° = 1.21
Luminous Opening in Feet	Length: 3.58 Width: 0.33 Height: 0.00

AVG. LUMINANCE (Candela/Sq. M.)

	0.0	22.5	45.0	67.5	90.0
0	46	46	46	46	46
30	53	42	53	42	42
40	48	36	48	48	48
45	52	39	39	39	39
50	43	28	43	43	43
55	48	32	48	48	64
60	73	36	36	73	55
65	43	22	65	65	65
70	27	53	80	80	80
75	35	70	70	70	70
80	52	52	105	105	52
85	105	105	105	209	105

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	4	0.1	0.1
0-40	7	0.1	0.2
0-60	12	0.3	0.3
0-90	18	0.4	0.4
90-120	1435	32.6	34.1
90-130	2146	48.8	51.0
90-150	3376	76.7	80.3
90-180	4186	95.1	99.6
0-180	4204	95.6	100.0

COEFFICIENTS OF UTILIZATION (%)

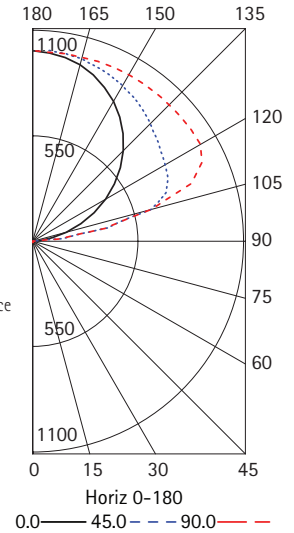
RC	80				70				50				0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	83	79	76	72	71	68	65	62	46	45	43	0	0
2	75	69	64	59	64	59	55	51	41	38	36	0	0
3	69	60	54	49	58	52	47	42	36	32	30	0	0
4	63	53	46	41	53	46	40	36	31	28	25	0	0
5	57	47	40	35	49	40	35	30	28	24	21	0	0
6	52	42	35	30	45	36	30	26	25	21	18	0	0
7	48	37	30	26	41	32	26	22	22	19	16	0	0
8	44	34	27	22	38	29	23	19	20	16	14	0	0
9	41	30	24	19	35	26	21	17	18	15	12	0	0
10	38	28	21	17	33	24	18	15	17	13	11	0	0

RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	95.6%
Luminaire Efficacy Rating (LER)	71
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.38 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT


Test Date 5/7/01