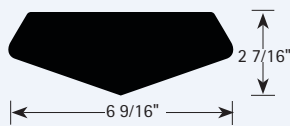



Maxim
FEATURES

- 2-7/16" low profile in a triangular shape
- Solid housing offers 100% indirect light
- T5/T5HO dedicated profile
- Heavy 20-gauge steel construction provides excellent housing rigidity
- Controls compatible
- Perforated housing option allows +/- 5% downlight
- Fixed 18" (FCM18) or optional Adjustable 48" (CM48) aircraft cable suspension available
- Unique tabbing system for simple row mount connections
- Modular mounting points for predictable hanging locations
- UL Listed 1598

SHAPE AND DIMENSIONS

PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- Heavy 20-gauge steel
- One, two or three T5 or T5HO lamps
- 48" modular hanging increments
- 4', 8', and 12' housing 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.
- Painted white steel reflector with specular sides standard. 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 powder coat finish for maximum durability.

MOUNTING

- Aircraft cable suspension mechanism.
- Total vertical cable adjustment of 1/4". A barrel at the end of the cable screws onto a standard 1/4-20 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

ORDERING INFORMATION
EXAMPLE: MAX-8-2T8-CM48-EU-MW

MAX																		
MODEL	LAMP TYPE AND PROFILE	MOUNTING		VOLTAGE		FINISH		OPTIONS										
MAX Maxim	1T5 One T5 Lamp 2T5 Two T5 Lamps 3T5 Three T5 Lamps 1T5HO One T5HO Lamp 2T5HO Two T5HO Lamps 3T5HO Three T5HO Lamps	FCM Fixed Aircraft Cable Mount (2-Lamp only)	CM Adjustable Aircraft Cable Mount	U 120V-277V	120 120V	MW Matte White (Std.)	ZT ZET Metallic Silver	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)
ROW LENGTH 4 4' Single 8 8' Single – Indicate row length over 8' in 4' increments		HOUSING TYPE S Solid PERF Perforated HSLT Horizontal Slot Strip VLST Vertical Slot Strip		SUSPENSION LENGTH 48 48" 96 96" Other lengths available on request.		BALLAST EP Electronic, Programmed Start ED Electronic, Dimming (Must specify) ESD Electronic, Step Dimming Unless specified, Alera will use fewest ballasts possible.												

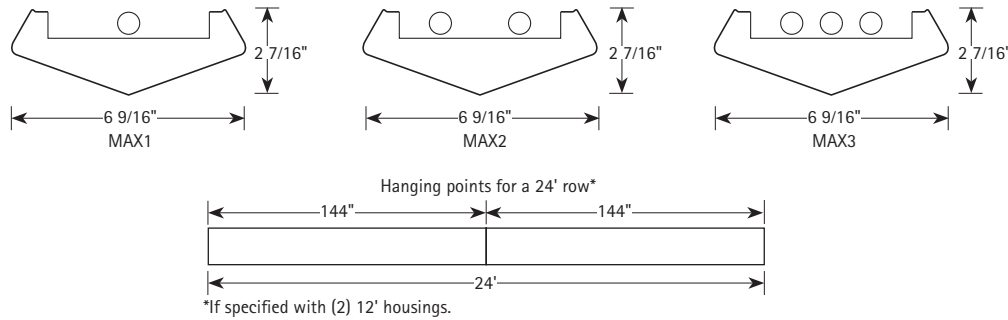
Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.

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 12815

Luminaire	MAX-1T5HO-PERF-EB5 Maxim Architectural Curve 7" x 48" 1 LAMP W/ SPECULAR INSERTS AND SLOTTED WHITE REFLECTOR
Ballast	254PUNV-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

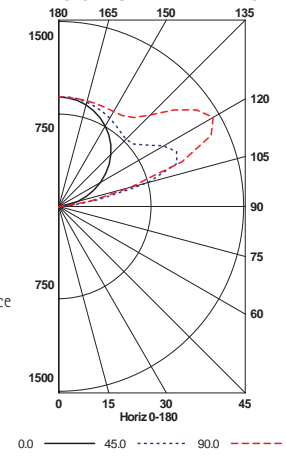
AVG. LUMINANCE (Candela/Sq. M.)

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					0
	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



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

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	5	0.1	0.1
0-40	8	0.2	0.2
0-60	16	0.4	0.4
0-90	23	0.5	0.5
90-120	1643	37.3	38.0
90-130	2443	55.5	56.5
90-150	3576	81.3	82.7
90-180	4299	97.7	99.5
0-180	4322	98.2	100.0

ENERGY DATA

Total Luminaire Efficiency	98.2%
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

Test Date 4/24/01

PHOTOMETRIC DATA

LUMINAIRE DATA Test 12825

Luminaire	CVL-3T8-LD-E Cürv Louver Architectural Curve 9.5" x 48" 3-Lamp with 1 x 17 Cell Semi- Specular Center Louver
Ballast	REL-3P32-SC
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	85
Mounting	Suspended
Shielding Angle	0° = 29 90° = 25
Spacing Criterion	0° = 1.16 90° = 1.40
Luminous Opening in Feet	Length: 3.58 Width: 0.32 Height: 0.00

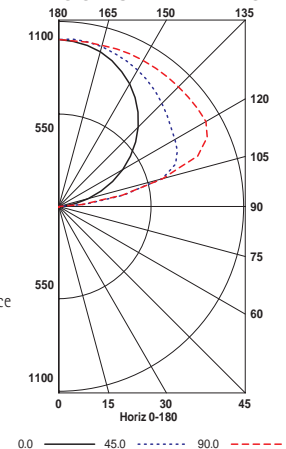
AVG. LUMINANCE (Candela/Sq. M.)

Angle	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

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			

INDOOR CANDELA PLOT



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

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

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

Test Date 5/7/01

PHOTOMETRIC DATA
LUMINAIRE DATA Test 12856

Luminaire	MAX-1T5HO-PERF-EB5-HRF
	Maxim 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.)

	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

ZONAL LUMEN SUMMARY

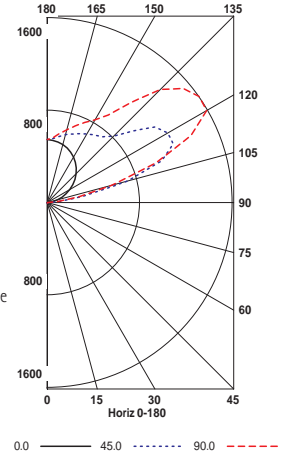
Zone	Lumens	% Lamp	% Fixt.
0-30	3	0.1	0.1
0-40	5	0.1	0.1
0-60	10	0.2	0.2
0-90	16	0.4	0.4
90-120	1678	38.1	39.7
90-130	2581	58.7	61.1
90-150	3690	83.9	87.3
90-180	4211	95.7	99.6
0-180	4226	96.1	100.0

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

RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

INDOOR CANDELA PLOT

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

Test Date 6/8/01