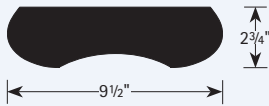



Arch
FEATURES

- Extruded aluminum housing
- Concave perforated, slotted, or custom shielding
- Available with either T8, T5, or T5HO lamps
- Contemporary low profile appearance
- End cap selection includes flat (standard) or bull nose (optional)
- Modular suspension points offer ease of installation
- Control compatible for daylight harvesting, occupancy sensors, or dimming systems (small case ballast required)
- For Wall Mount (WM), arch mounts directly to and flush with the wall
- Patented die cast aluminum couplers and end caps (Patent# 6,796,676B2)

SHAPE AND DIMENSIONS

PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- 4', 8', and 12' housings
- Reinforcement provided to consume maximum rigidity across the entire housing.
- Diecast aluminum end caps provide zero tolerance alignment between fixtures, resulting in consistently straight rows with no snaking.
- Upper reflectors are constructed of specular anodized aluminum for precise upward distribution.
- Relamped from above

FINISH

The housing is finished with a baked powder coat matte white finish as standard. Diecast end caps and intermediate couplers are painted to match the housing. Hanging stems and canopies are painted white. Cable fittings are standard chrome.

SHIELDING

Concave perforated (CPF) slotted (CHSLOT & CVSLOT) or custom shielding (contact factory) available.

MOUNTING

CM- Solaris utilizes a unique hanging system that makes vertical and horizontal adjustment effortless. The aircraft cable assembly is totally adjustable. Precise horizontal balancing is accomplished by sliding a cable gripper along a metal yoke on each end. The cable gripper is

simply turned and locked into place once the fixture is leveled. The double hanging system allows the suspension points to be placed on 48" centers for quick and easy installation. Rigid stems are available as options.

WM- Mounts directly to and is flush with the wall

LABELS AND ELECTRICAL

- UL 1598 or CSA
- Prewired with either T5, T5HO or T8 electronic ballasts
- Damp label available on most models
- Quick connect plugs standard

Name:	ARC-2T8-CM-CPF-E
Test #:	14096
Efficiency:	89.7%
LER:	73

ORDERING INFORMATION
EXAMPLE: ARC-8-2T8-CM48-CPF-EU-MW

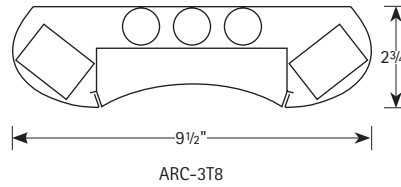
ARC		-		-		-		-		-		-		-	
MODEL	LAMP TYPE AND PROFILE	ADJUSTABLE CABLE LENGTH		BALLAST		VOLTAGE		FINISH							
ARC Arch Aluminum Housing	1T5 One T5 Lamp 2T5 Two T5 Lamps 3T5 Three T5 Lamps 1T5HO One T5HO Lamp 2T5HO Two T5HO Lamps 3T5HO Three T5HO Lamps 1T8 One T8 Lamp 2T8 Two T8 Lamps 3T8 Three T8 Lamps	Blank	Wall Mount	E	Electronic, Instant Start, (Std. for T8)	U	120V-277V	MW	Matte White (Std.)						
		48	48"	EP	Electronic, Programmed Start (Std. for T5 & T5HO, optional for T8)	120	120V	ZT	ZET Metallic Silver						
		96	96"	ED	Electronic, Dimming (Must specify)	277	277V	See MTX-1 for other color selections.							
		Other lengths available on request.		Unless specified, Alera will use fewest ballasts possible.		347	347V								
ROW LENGTH		MOUNTING METHOD		DIRECT SHIELDING		OPTIONS									
4	4' Single	CM	Adjustable Aircraft Cable Mount (Std.)	CPF	Concave Perforated Shielding	DC	Dust Cover								
8	8' Single	WM	Wall Mount	CHSLOT	Concave Horizontal Slot Shielding	BN	Bull Nose End Cap (5 1/16")								
12	12' Single			CVSLOT	Concave Vertical Slot Shielding	LR	Left/Right Switching (2-Lamp only)								
— Indicate row length over 12' in 4' increments				CLD	Concave Custom Laser Design Shielding (Example: square pattern)	IBOB	Inboard/Outboard Switching (3-Lamp only)								

Note: Rows over 12' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory. (12' not available in WM).

¹ Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120, EMC277).

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 14096

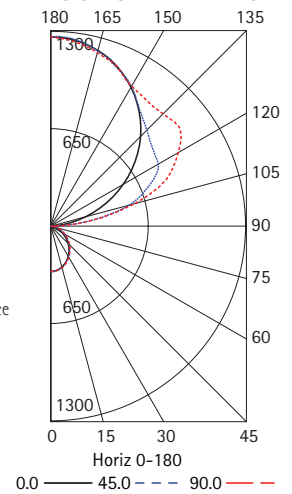
Luminaire	ARC-2T8-CM-CPF-3 Arch Curves 9.5" x 48" 2-Lamp with Concave Perforated Basket & Specular Inner Reflectors
Ballast	REL-2P32-SC
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	63
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.15 90° = 1.18
Luminous Opening in Feet	Length: 3.83 Width: 0.40 Height: 0.00

AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	2129	2129	2129	2129	2129
30	1882	1890	1923	1939	1939
40	1724	1733	1789	1816	1816
45	1620	1639	1709	1749	1749
50	1508	1519	1640	1672	1661
55	1360	1409	1556	1592	1592
60	1208	1307	1461	1518	1532
65	1047	1214	1380	1463	1480
70	945	1109	1294	1397	1417
75	923	1004	1194	1330	1330
80	850	971	1133	1214	1254
85	726	1048	1048	967	1048

COEFFICIENTS OF UTILIZATION (%)

RC	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	81	77	74	71	70	67	65	62	50	48	46	11				
2	73	67	62	58	64	59	55	51	44	41	38	9				
3	67	59	53	48	58	52	47	43	38	35	32	8				
4	61	52	45	40	53	46	40	36	34	30	27	7				
5	56	46	39	34	49	41	35	31	30	26	23	6				
6	51	41	34	29	45	36	31	26	27	23	20	5				
7	47	37	30	25	41	33	27	23	24	20	18	5				
8	44	33	27	22	38	29	24	20	22	18	15	4				
9	40	30	24	20	35	27	21	18	20	16	14	4				
10	38	27	21	17	33	24	19	16	18	15	12	3				

INDOOR CANDELA PLOT

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	227	3.9	4.4
0-40	361	6.2	7.0
0-60	603	10.4	11.6
0-90	742	12.8	14.3
90-120	1360	23.4	26.2
90-130	2117	36.5	40.7
90-150	3477	60.0	66.9
90-180	4458	76.9	85.7
0-180	5200	89.7	100.0

ENERGY DATA

Total Luminaire Efficiency	89.7%
Luminaire Efficacy Rating (LER)	73
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.29 based on 3000 hrs. and \$0.08 per KWH

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

Test Date 11/17/05