
PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- 4', 8' and 12' housings
- Reinforced to provide maximum rigidity across the entire housing.
- End caps are made of 16-gauge construction and attach with nuts and bolts.
- Aligners are supplied for intermediate connection points, providing sturdy attachment for straight continuous rows.
- Upper reflectors are 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. End caps and intermediate aligners are painted to match the housing. Hanging stems and canopies are painted white. Cable fittings are standard chrome.

SHIELDING

- Louvers: securely attached to the housing from the top, eliminating any chance of loosening or falling from the fixture.
- LD: semi-specular anodized aluminum, eleven-cell louver measures 1½" high and provides maximum efficiency and a glare-free environment. The aluminum finish will remain dust and fingerprint free.

MOUNTING

- The aircraft cable assembly is 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.

LABELS AND ELECTRICAL

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

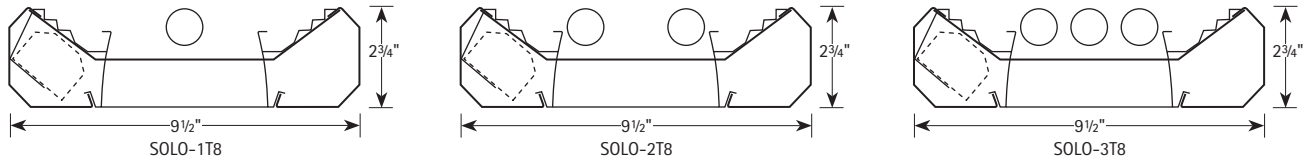
Name:	SOLO-2T8-LD-E
Test #:	12635
Efficiency:	92.9%
LER:	76

ORDERING INFORMATION
EXAMPLE: SOLO-8-2T8-CM48-LD-EU-ZT

SOLO		LAMP TYPE AND PROFILE		MOUNTING		SHIELDING		VOLTAGE		FINISH	
MODEL	Solaris Octagonal	1T5	One T5 Lamp ¹	CM	Adjustable Aircraft Cable Mount (Std.)	LD	Low Iridescence Semi-Specular (Std.)	U	120V-277V	MW	Matte White
		2T5	Two T5 Lamps ¹	WM	Wall Mount	LS	Low Iridescence Specular	120	120V	ZT	Zet Metallic Silver
		3T5	Three T5 Lamps ¹	See HGR-1 for other hanging methods.		LD18	18-Cell Low Iridescence Semi-Specular Louver	277	277V		
		1T5HO	One T5HO Lamp ¹					347	347V		
		2T5HO	Two T5HO Lamps ¹								
ROW LENGTH	4 4' Single	3T5HO	Three T5HO Lamps ¹								
	8 8' Single	1T8	One T8 Lamp								
	— Indicate row length over 12' in 4' increments	2T8	Two T8 Lamps								
		3T8	Three T8 Lamps								
		DISTRIBUTION									
Note:	Rows over 12' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory. (12' not available in WM)	Blank	60% Uplight, 40% Downlight								
		0/100	0% Uplight, 100% Downlight ²								
		20/80	20% Uplight, 80% Downlight ²								
		40/60	40% Uplight, 60% Downlight ²								
		85/15	85% Uplight, 15% Downlight								
		100/0	100% Uplight, 0% Downlight (Fully indirect)								
		CLC	Center Lamp Cover for A/V Mode ²								
		ADJUSTABLE CABLE LENGTH									
		48 48"									
		96 96"									
		Other lengths available on request.									
		BALLAST									
		E Electronic, Instant Start, (Std. for T8)									
		EP Electronic, Programmed Start (Std. for T5 and T5HO, optional for T8)									
		ED Electronic, Dimming (Must specify)									
		Unless specified, Alera will use fewest ballasts possible.									
		OPTIONS									
		DC Dust Cover ²									
		LR Left/Right Switching (2-Lamp only)									
		IBOB Inboard/Outboard Switching (3-Lamp only)									
		EL One Emergency Battery Pack ^{3,4}									
		EMC One Emergency Circuit ^{4,5}									
		NL Night Light Circuit ^{4,5}									
		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)									

¹ T5/T5HO at risk for socket shadow in downlight component.
² Dust cover not available when using these optical distribution covers.
³ Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120).
⁴ Not available with all configurations; some limitations apply. Contact factory for details.
⁵ One extra feed drop row with through wiring. (Standard is one 4ft lamp per circuit.)

CROSS SECTION



PHOTOMETRIC DATA

LUMINAIRE DATA Test 12635

Luminaire	SOLO-2T8-LD-EB8 Solo Architectural Curve 9" x 48" 2 LAMP WITH 1 x 11 CELL SEMI-SPECULAR LOUVER
Ballast	RCN-2P32-SC
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	62
Mounting	Pendant
Shielding Angle	0° = 21 90° = 24
Spacing Criterion	0° = 1.20 90° = 1.31
Luminous Opening in Feet	Length: 3.80 Width: 0.37 Height: 0.00

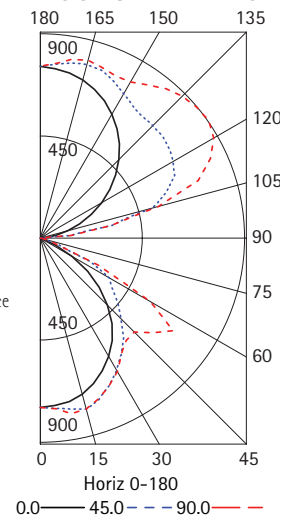
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	5711	5711	5711	5711	5711
30	5322	5852	5932	5994	5994
40	4907	5467	5706	5786	5876
45	4526	5078	5435	6085	6334
50	4026	4562	5300	6622	7718
55	3390	3884	5152	8209	9503
60	2480	2970	5374	7503	8590
65	1359	1884	4311	5127	5090
70	269	694	1947	1724	1500
75	177	296	503	769	828
80	132	220	353	485	573
85	176	176	264	439	439

COEFFICIENTS OF UTILIZATION (%)

RCR	RC					80					70					50					30					10				
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0														
1	89	85	82	79	80	77	74	72	63	61	59	30																		
2	81	75	69	65	73	68	63	60	55	52	49	26																		
3	74	66	59	54	67	60	54	50	49	45	42	22																		
4	68	58	51	46	61	53	47	42	43	39	36	19																		
5	62	52	44	39	56	47	41	36	39	34	31	16																		
6	57	46	39	34	52	42	36	31	35	30	27	14																		
7	53	42	34	29	48	38	32	27	32	27	23	13																		
8	49	38	31	26	44	35	28	24	29	24	21	11																		
9	45	34	27	23	41	31	25	21	26	22	18	10																		
10	42	31	25	20	38	29	23	19	24	19	16	9																		

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Test Date 9/12/00

PHOTOMETRIC DATA

LUMINAIRE DATA Test 12636

Luminaire	SOLO-2T885/15-LD-EB8 Solo Architectural Curve 9" x 48" 2L W/ 1X11 CELL SEMI-SPEC LOUVER & DOWNLIGHT SCREEN
Ballast	RCN-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° = 1.08 90° = 1.16
Luminous Opening in Feet	Length: 3.80 Width: 0.37 Height: 0.00

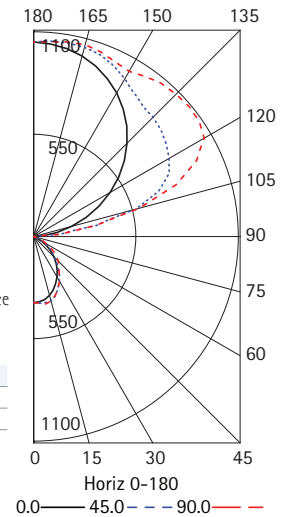
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	2725	2725	2725	2725	2725
30	2219	2404	2431	2466	2458
40	1879	1969	1969	2029	2099
45	1657	1711	1689	1906	2014
50	1405	1417	1501	1751	1882
55	1108	1108	1268	1468	1562
60	781	796	980	1072	1179
65	417	507	725	851	996
70	90	269	470	425	381
75	59	237	207	237	207
80	88	220	132	132	132
85	176	176	0	0	0

COEFFICIENTS OF UTILIZATION (%)

RCR	RC					80					70					50					30					10				
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0														
1	77	74	71	68	68	65	62	60	48	46	45	11																		
2	71	65	60	56	62	57	53	50	42	40	37	9																		
3	64	57	51	47	56	50	45	42	37	34	32	8																		
4	59	50	44	40	51	44	39	35	33	30	27	7																		
5	54	45	38	34	47	40	34	30	30	26	23	6																		
6	50	40	34	29	43	35	30	26	27	23	20	6																		
7	46	36	30	25	40	32	27	23	24	20	18	5																		
8	42	33	26	22	37	29	24	20	22	18	16	5																		
9	39	29	24	19	34	26	21	18	20	16	14	4																		
10	37	27	21	17	32	24	19	16	18	15	12	4																		

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Test Date 9/12/00

PHOTOMETRIC DATA
LUMINAIRE DATA Test 12637

Luminaire	SOLO-3T8-LD-EB8
	Solo Architectural Curve
	9" x 48" 3 LAMP WITH 1X11 CELL SEMI-SPECULAR LOUVER
Ballast	B3321120RH-A
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	89
Mounting	Pendant
Shielding Angle	0° = 21 90° = 23
Spacing Criterion	0° = 1.20 90° = 1.49
Luminous Opening in Feet	Length: 3.80 Width: 0.37 Height: 0.00

AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	8972	8972	8972	8972	8972
30	8380	9220	9715	10148	10237
40	7755	8825	9734	11023	11363
45	7146	8326	9755	10892	11195
50	6360	7611	9457	10314	10791
55	5339	6660	8342	9383	10264
60	3889	5328	6798	8008	8881
65	2065	3351	4855	5271	5326
70	358	940	2104	1903	1724
75	266	414	651	947	1006
80	220	353	441	617	661
85	176	264	264	351	351

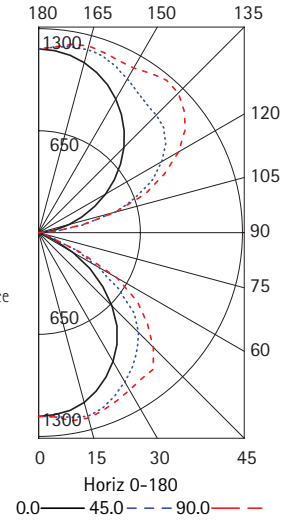
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	970	11.2	12.6
0-40	1620	18.6	21.0
0-60	2833	32.6	36.7
0-90	3112	35.8	40.3
90-120	1310	15.1	17.0
90-130	2133	24.5	27.6
90-150	3626	41.7	47.0
90-180	4608	53.0	59.7
0-180	7720	88.7	100.0

COEFFICIENTS OF UTILIZATION (%)

RCR	80				70				50				0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	86	82	79	76	78	75	72	70	62	60	58	31	
2	78	72	67	63	71	66	62	58	54	51	49	27	
3	72	64	58	53	65	58	53	49	48	45	41	23	
4	66	56	50	45	60	52	46	42	43	39	35	20	
5	60	50	43	38	55	46	40	36	38	34	31	18	
6	55	45	38	33	50	41	35	31	35	30	27	15	
7	51	41	34	29	46	37	31	27	31	27	23	14	
8	47	37	30	25	43	34	28	24	28	24	21	12	
9	44	33	27	23	40	31	25	21	26	22	18	11	
10	41	31	24	20	37	28	23	19	24	19	16	10	

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

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Test Date 9/12/00