

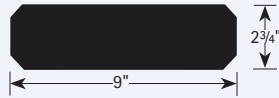


Solo

FEATURES

- Contemporary low profile appearance with octagonal sides
- Direct/Indirect Luminaire
- One, two, or three T8, T5, or T5HO lamps
- Steel housing
- Controls compatible
- High efficiency with wide distribution
- Modular suspension points offer ease of installation
- Adjustable yoke cable hanger allows vertical adjustments and horizontal balancing
- Fixed louver stays in housing, even if fixture is struck or damaged
- Complimentary wall mount version

SHAPE AND DIMENSIONS



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 wall mount Solo mounts directly to and is flush to the wall. A 7/8" hole is provided to mount to a junction box. If a junction box larger than 2" in diameter is used, a cover plate must be used to cover the exposed junction box. A plate is provided with each fixture for this purpose. Key-hole slots on the back of the unit provide additional support. Consult the Installation Sheet for exact dimensions and locations of holes and slots.

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-WM-LD-EU-ZT

SOLO		WM					
MODEL	LAMP TYPE AND PROFILE	MOUNTING	BALLAST	FINISH			
Solo Solaris Octagonal	1T5 One T5 Lamp ¹ 2T5 Two T5 Lamps ¹ 3T5 Three T5 Lamps ¹ 1T5HO One T5HO Lamp ¹ 2T5HO Two T5HO Lamps ¹ 3T5HO Three T5HO Lamps ¹ 1T8 One T8 Lamp 2T8 Two T8 Lamps 3T8 Three T8 Lamps	WM Wall Mount	E Electronic, Instant Start, (Std. for T8) EP Electronic Programmed Start (Std. for T5 & T5HO, optional for T8) Unless specified, Alera will use fewest ballasts possible.	MW Matte White ZT ZET Metallic Silver			
ROW LENGTH	DISTRIBUTION	LOUVER FINISH	VOLTAGE	OPTIONS			
4 4' Single 8 8' Single – Indicate row length over 12' in 4' increments	Blank 60% Uplight, 40% Downlight (Std.) 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	LD Low Iridescent Semi-Specular (Std.) LS Low Iridescent Specular LD18 18-Cell Low Iridescent Semi-Specular Louver	U 120V-277V 120 120V 277 277V 347 347V	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.

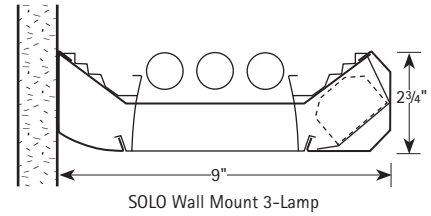
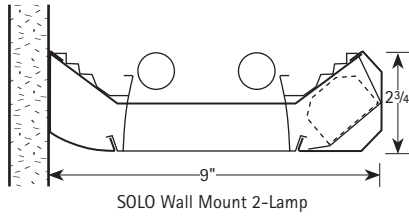
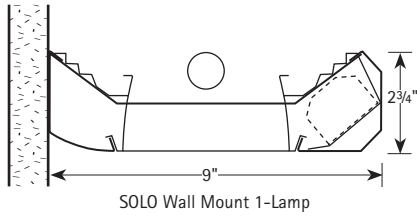
² Dust cover not available when using these optical distribution covers.

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

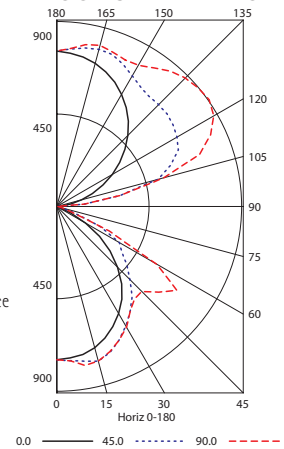
AVG. LUMINANCE (Candela/Sq. M.)

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	80					70					50					0
	RW	70	50	30	10	70	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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ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	611	10.5	11.3
0-40	995	17.2	18.5
0-60	1774	30.6	32.9
0-90	2005	34.6	37.2
90-120	1161	20.0	21.5
90-130	1754	30.2	32.5
90-150	2745	47.3	50.9
90-180	3385	58.4	62.8
0-180	5390	92.9	100.0

ENERGY DATA

Total Luminaire Efficiency	92.9%
Luminaire Efficacy Rating (LER)	76
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Normal Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.16 based on 3000 hrs. and \$0.08 per KWH

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

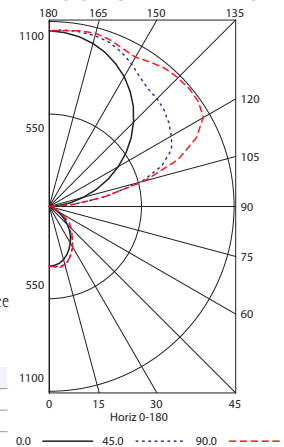
AVG. LUMINANCE (Candela/Sq. M.)

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	80					70					50					0
	RW	70	50	30	10	70	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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ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	273	4.7	5.5
0-40	421	7.3	8.5
0-60	636	11.0	12.8
0-90	685	11.8	13.8
90-120	1389	23.9	27.9
90-130	2142	36.9	43.0
90-150	3437	59.3	69.0
90-180	4295	74.1	86.2
0-180	4980	85.9	100.0

ENERGY DATA

Total Luminaire Efficiency	85.9%
Luminaire Efficacy Rating (LER)	70
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT INTENSIVE USE
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.43 based on 3000 hrs. and \$0.08 per KWH

Test Date 9/12/00

PHOTOMETRIC DATA

LUMINAIRE DATA Test 12637

Luminaire	SOLO-3T8-LD-EB8
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.)

	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

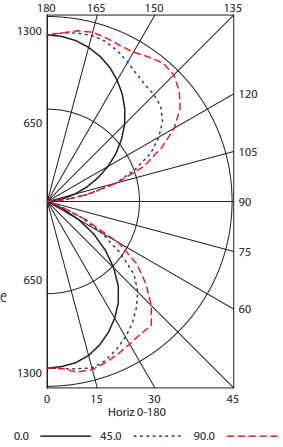
Zone	Lumens	% Lamp	% Fixt.
0-30	970	11.2	12.6
0-40	1620	18.6	21.0
0-60	2833	32.6	36.7
0-90	3112	35.8	40.3
90-120	1310	15.1	17.0
90-130	2133	24.5	27.6
90-150	3626	41.7	47.0
90-180	4608	53.0	59.7
0-180	7720	88.7	100.0

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