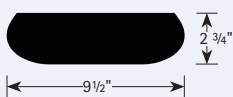


FEATURES

- A+CLASS™ energy management system compatible
- A+CLASS™ GEN/ A/V lighting compatible
- LEED and CHPS compatible
- Direct/Indirect distribution
- T8 lamps standard. For T5 or T5HO, contact factory.
- Heavy 20-gauge steel construction provides excellent housing rigidity
- Adjustable 48" (CM48) aircraft cable yoke hanger with vertical and horizontal balancing
- Die cast couplers and end caps ensure straight rows with no light leak
- Fixed louver stays in housing, even if fixture is struck or damaged
- RAL colors available
- A+CLASS™ system includes lighting controls, switches, and low voltage wiring
- See APCS submittal for more detail

SHAPE AND DIMENSIONS



PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

A+CLASS

A+CLASS™ compatible. Can be installed as part of A+CLASS™ classroom-in-a-box installation. A+CLASS™ electronic ballast must be program rapid start (EP). Electronic Dimming (ED) requires 0-10V ballast. 347V not available.

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

Louvers attach securely to the housing from the top, eliminating any chance of loosening or falling from the fixture.

–Constructed of semi-specular anodized aluminum, the eleven-cell louver (LD) measures 1 1/2" high and provides maximum efficiency and a glare-free environment. The aluminum finish

will remain dust and fingerprint free.

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:	SLS-3T8-2UD-CLC
Test #:	ITL
Efficiency:	89.5%
LER:	82

ORDERING INFORMATION

EXAMPLE: SLS-24-3T8-CLC-LD-EDAGDD277-MW-IBOB

SLS - - 3T8 - CLC - - LD - - - -						
MODEL SLS Solaris High Performance Lighting To order A+CLASS controls : see page APCS.	LAMP TYPE AND PROFILE 3T8 Three T8 Lamps	MOUNTING METHOD CM Adjustable Aircraft Cable Mount (Std.) WM Wall Mount SM Surface Mount* *Louver drops down from fixture 3/8".	ADJUSTABLE CABLE LENGTH 48 48" 96 96" N/A for WM. Other lengths available on request.	BALLAST EP Electronic, Programmed Start (Required for A+CLASS) ED Electronic, 0-10V Dimming Unless specified, Alera will use fewest ballasts possible.	VOLTAGE U 120V-277V 120 120V 277 277V	FINISH MW Matte White (Std.) ZT ZET Metallic Silver See MTX-1 for other color selections.
ROW LENGTH 4 4' Single 8 8' Single 12 12' Single – Indicate row length over 12' in 4' increments	DISTRIBUTION CLC Center Lamp Cover for 3L A+CLASS™ A/V Mode		SHIELDING LD Low Iridescent Semi-Specular Louver (Std.)		OPTIONS IBOB Inboard/Outboard Switching EL One Emergency Battery Pack ^{2,3} GLR Fast Blow Fuse GMF Slow Blow Fuse TBAR T-Bar Mounting CSA UL listed or CSA certified for Canada	
Note: Rows over 12' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.			DIMMING FEATURE Blank None DD Daylight Dimming ⁴ AVD A/V Teacher Dimming ⁴ AVDD AVD Et Daylight Dimming ⁴ AGD GEN Et A/V Teacher Dimming ⁴ AGDD AGD Et Daylight Dimming ⁴ GMD General Teacher Dimming ⁴ GMDD General Teacher and Daylight Dimming ⁴			

¹ T5/T5HO at risk for socket shadow in downlight component.

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

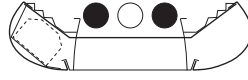
³ Not available with all configurations; some limitations apply. Contact factory for details.

⁴ Requires ED ballast.

CROSS SECTION



A+CLASS
SLS-3T8



SLS-3T8
GEN mode

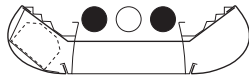


SLS-3T8
A/V Mode

PHOTOMETRIC DATA

LUMINAIRE DATA Test ITL63074

Luminaire	SLS-3T8-2UD-CLC-LD-EU-MW4-IBOB
	Solaris Architectural Curve
	9" x 48" 3 LAMP WITH 1 x 11 CELL SEMI-SPECULAR LOUVER
Ballast	B332120RH-A
Ballast Factor	0.88
Lamp	Two 32W T8 F032-835
Lumens per Lamp	2950
Watts	89
Shielding Angle	0° = 21 90° = 25
Spacing Criterion	0° = 1.2 90° = 1.25
Luminous Opening in Feet	Length: 3.80 Width: 0.37 Height: 0.00



SLS-3T8
GEN mode

AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0
45	4391	4498	4546
55	2951	3379	3796
65	969	1809	3230
75	105	211	264
85	157	235	235

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	656	11.1	12.4
0-40	1049	17.8	19.9
0-60	1661	28.2	31.4
0-90	1787	30.3	33.8
90-120	1033	17.5	19.6
90-130	1610	27.3	30.5
90-150	2699	45.7	51.1
90-180	3497	59.3	66.2
0-180	5283	89.5	100.0

COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50				0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	85	82	78	76	77	74	71	69	59	58	56	27	24
2	78	72	67	63	70	65	61	57	53	50	47	24	21
3	71	64	58	53	64	58	53	49	47	43	40	21	18
4	65	57	50	45	59	51	46	42	42	38	35	18	16
5	60	50	44	39	54	46	40	36	38	33	30	16	14
6	55	45	38	34	50	41	35	31	34	30	26	14	13
7	51	41	34	29	46	37	32	27	31	26	23	13	11
8	48	37	31	26	43	34	28	24	28	24	21	11	10
9	44	34	27	23	40	31	25	22	26	21	18	10	9
10	41	31	25	21	37	28	23	19	24	19	17	9	9

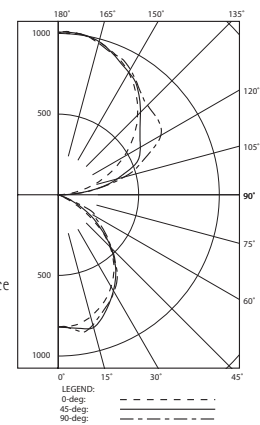
RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	89.5%
Luminaire Efficacy Rating (LER)	82
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Normal Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.93 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT



Test Date 9/22/09

PHOTOMETRIC DATA

LUMINAIRE DATA Test ITL63075

Luminaire	SLS-3T8-LD-CLC-LD-EU-MW4-IBOB
	Solaris Architectural Curve
	9" x 48" 2 LAMP WITH 1 x 11 CELL SEMI-SPECULAR LOUVER
Ballast	Universal B1321UNVHP-B
Ballast Factor	0.88
Lamp	One 32W T8 F032/835
Lumens per Lamp	2950
Watts	29.2
Mounting	Suspended
Shielding Angle	0° = 21 90° = 35
Spacing Criterion	0° = 1.24 90° = 1.18
Luminous Opening in Feet	Length: 3.80 Width: 0.37 Height: 0.00



SLS-3T8
A/V Mode

AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0
45	4864	4758	5260
55	3343	3724	4438
65	1050	1583	1179
75	79	132	290
85	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	631	21.4	35.1
0-40	1019	34.5	56.6
0-60	1694	57.4	94.2
0-90	1792	60.7	99.6
90-120	1	0.0	0.1
90-130	3	0.1	0.1
90-150	5	0.2	0.3
90-180	7	0.2	0.4
0-180	1798	61.0	100.0

COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50				0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	68	66	64	62	66	64	62	61	62	60	59	54	47
2	63	59	55	53	61	58	54	52	55	53	51	47	41
3	58	53	48	45	57	52	48	45	50	47	44	41	36
4	54	47	43	39	52	46	42	39	45	41	38	36	32
5	50	43	38	34	48	42	37	34	41	37	34	32	28
6	46	39	34	30	45	38	33	30	37	33	30	28	25
7	43	35	30	27	42	35	30	27	34	30	27	25	23
8	40	32	27	24	39	32	27	24	31	27	24	23	20
9	37	30	25	22	36	29	25	22	29	25	22	20	19
10	35	27	23	20	34	27	23	20	26	22	20	19	18

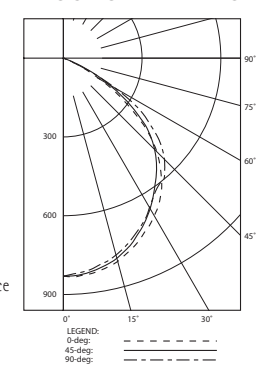
RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	61.0%
Luminaire Efficacy Rating (LER)	55
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Normal Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$4.36 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT



Test Date 9/21/2009