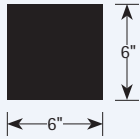




FEATURES

- Attractive 6" x 6" form
- Direct/Indirect distribution
- Up to two lamps T5, T5HO and T8
- Economical modular 20-gauge steel housing is ideal for budget conscious projects
- Choice of aluminum parabolic louvers, straight bladed louvers, or prismatic lenses
- Different optical distributions allow flexibility in placement
- Available in a wide assortment of finishes
- Excellent for office, hallways, and retail environments

SHAPE AND DIMENSIONS



PROJECT INFORMATION

Project Name	_____	Type	_____
Catalog No.	_____	Date	_____

CONSTRUCTION

All fasteners are concealed and maintained with a minimum amount of tolerance to ensure that fixture integrity is maintained. Inner endplates are welded to housing to reinforce the rigidity of the unit. Endcaps are die formed 20 gauge steel and are installed in the field.

FINISH

Standard housing finish is powder coat matte white. Other powder coat finishes are available as an option. Please see the Options section of this binder for more details. Endcaps and connectors are finished the same as the housing on all painted parts.

SHIELDING

The S6 is available with a parabolic louver, acrylic lens, or a white straight blade baffle.

—Parabolic louvers are constructed of anodized aluminum with either a specular or semi-specular finish. They lift and shift for easy lamp access.

—A variety of lenses are available and are lay-in type.

—The white straight blade baffle (WCB) is constructed of steel and finished with a gloss white finish and also is a lay-in type.

MOUNTING

The S6 is designed to be mounted to the wall with a bracket. Endcaps are field installed so the shielding will be continuous in a row application. Aligner brackets are provided. When one-lamp symmetric upright (1U) units are used a connector box is required between row mounted fixtures. Where patterns or rows are used it is recommended that the factory be provided with a layout diagram.

LABELS AND ELECTRICAL

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

Name:	S6-1DT8-LD-E
Test #:	12263
Efficiency:	55.1%
LER:	47

ORDERING INFORMATION

EXAMPLE: S6-20-2UDT8-WM-LD-EU-MW-LR

MODEL	LAMP PROFILE AND DISTRIBUTION	LAMP TYPE	SHIELDING	VOLTAGE	FINISH	OPTIONS
S6 S6	1D 1-Lamp Downlight 2D 2-Lamp Downlight 1U 1-Lamp Uplight ¹ 2U 2-Lamp Uplight	T5 T5 ² T5HO T5HO ² T8 T8	LD Low Iridescent Semi-Specular Louver LS Low Iridescent Specular Louver A12 Acrylic Pattern 12 Lens A19 Acrylic Pattern 19 Lens CA Clear Acrylic Lens (No pattern) OA Opal Acrylic Lens (No pattern) WCB White Cross Baffle NA No Shielding	U 120V-277V 120 120V 277 277V 347 347V	MW Matte White (Std.) ZT ZET Metallic Silver See MTX-1 for other color selections.	DC Dust Cover (T8 or T5 only) LR Left/Right Switching (2-Lamp only) EL One Emergency Battery Pack ^{4,5} EMC One Emergency Circuit ^{5,6} NL Night Light Circuit ^{5,6} 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	1AD 1-Lamp Asymmetric Downlight 1AU 1-Lamp Asymmetric Uplight 1UD 1-Lamp Uplight & Downlight ¹ 2UD 2-Lamp Uplight & Downlight 1AUD 1-Lamp Asymmetric Uplight & Downlight	MOUNTING METHOD WM Wall Mount, Symmetric Dist. WMW Wall Mount, Wall Wash ³ WMR Wall Mount, Room Wash ³	BALLAST E Electronic, Instant Start, (Std. for T8) EP Electronic, Programmed Start (Std. for T5 & T5HO, optional for T8) ED Electronic, Dimming (Must specify) Unless specified, Alera will use fewest ballasts possible.			
4 4' Single 8 8' Single — Indicate row length over 8' in 4' increments						
Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.						

¹ Connector box required on all 1- and 3-lamp upright units if pendant or cable mounted. This option does not permit continuous shielding for all 1- and 3-lamp uprights.

² T5/T5HO at risk for socket shadow in downlight component.

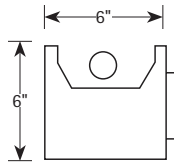
³ For use with asymmetric distributions.

⁴ Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120).

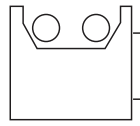
⁵ Not available with all configurations; some limitations apply. Contact factory for details.

⁶ One extra feed drop per row with through wiring. (Standard is one 4ft lamp per circuit.)

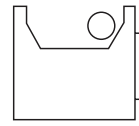
CROSS SECTION



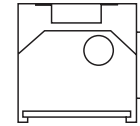
1-Lamp Open Uplight
1U



2-Lamp Open Uplight
2U



1-Lamp Open Asymmetric Uplight
1AU



1-Lamp Lens Asymmetric Downlight
1AD

PHOTOMETRIC DATA

LUMINAIRE DATA Test 8828

Luminaire	S6-1UDT12-A12-LE S6 Architectural Beam 6"x 48" ASYMMETRIC DIRECT/INDIRECT 1-LAMP WITH ACRYLIC A12 LENS
Ballast	HM-140
Ballast Factor	0.95
Lamp	F40/WW
Lumens per Lamp	3200
Watts	52
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 3.96 Width: 0.40 Height: 0.00

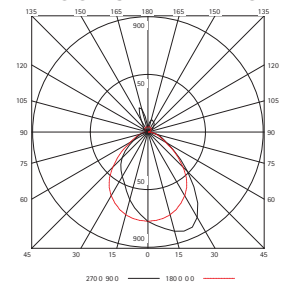
AVG. LUMINANCE (Candela/Sq. M.)

Angle	90.0	135.0	180.0	225.0	270.0
0	4736	4736	4736	4736	4736
30	6034	5932	4504	3351	3147
40	4950	5172	4134	3114	2918
45	4219	4478	3710	2912	2739
50	3520	3838	3256	2569	2453
55	2855	3223	2713	2109	2073
60	2365	2582	2188	1631	1726
65	2122	1994	1881	1286	1528
70	2066	1629	1788	1192	1470
75	2074	1654	1759	1365	1497
80	1996	1683	1722	1448	1448
85	1559	1871	1715	1403	1403

COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50				0	
	RW	70	50	30	10	70	50	30	10	50	30	10	0	0
1	62	59	57	55	59	57	55	53	53	52	50	43	0	0
2	57	52	49	46	54	51	48	45	47	45	43	37	0	0
3	52	47	43	39	50	45	41	38	42	39	37	32	0	0
4	48	42	37	34	46	41	36	33	38	35	32	28	0	0
5	44	38	33	30	43	37	32	29	34	31	28	24	0	0
6	41	34	29	26	40	33	29	26	31	28	25	22	0	0
7	38	31	26	23	37	30	26	23	29	25	22	19	0	0
8	36	28	24	21	34	28	23	20	26	23	20	18	0	0
9	33	26	22	19	32	26	21	19	24	21	18	16	0	0
10	31	24	20	17	30	24	20	17	22	19	16	14	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	546	17.1	29.5
0-40	877	27.4	47.4
0-60	1372	42.9	74.1
0-90	1573	49.1	84.9
90-120	45	1.4	2.4
90-130	86	2.7	4.7
90-150	196	6.1	10.6
90-180	279	8.7	15.1
0-180	1851	57.9	100.0

ENERGY DATA

Total Luminaire Efficiency	57.9%
Luminaire Efficacy Rating (LER)	N/A
ANSI/IESNA RP-1-2004 Compliance	-
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$N/A based on 3000 hrs. and \$0.08 per KWH

Test Date 10/24/07