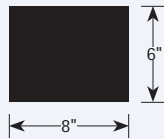




FEATURES

- 8" x 6" beam
- Direct/Indirect distribution
- Up to three T8, T5 or T5HO lamps in cross section
- Economical modular steel housing is ideal for budget conscious projects
- Choice of aluminum parabolic louvers, straight bladed louvers, or prismatic lenses
- Different distributions allow flexibility in placement
- Available in a wide assortment of finishes
- Controls compatible
- Excellent for schools, offices or 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.
- End caps 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. End caps and connectors are finished the same as the housing on all painted parts.

SHIELDING

The S8 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 finished. They lift and shift for easy lamp access.
- A variety of lenses are available and are lay-in type.
- The white straight blade baffle is constructed of steel and finished with a gloss white finish and also is a lay-in type.

MOUNTING

The S8 is designed for maximum versatility. Wall brackets are used for wall mounting unless wall-to-wall placement is desired. Endcaps are field installed so the shielding will be continuous in row application. Aligner brackets are provided. When 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

ORDERING INFORMATION

EXAMPLE: S8-20-2UDT8-WM-LD-EU-MW-LR

S8						
MODEL	LAMP PROFILE AND DISTRIBUTION	LAMP TYPE	SHIELDING	VOLTAGE	FINISH	OPTIONS
S8 S8	1D 1-Lamp Downlight	T5 T5 ²	LD Low Iridescent Semi-Specular Louver	U 120V-277V	MW Matte White (Std.)	DC Dust Cover (T8 or T5 only)
	2D 2-Lamp Downlight	T5HO T5HO ²	LS Low Iridescent Specular Louver	120 120V	ZT ZET Metallic Silver	LR Left/Right Switching (2-Lamp only)
	3D 3-Lamp Downlight	T8 T8	A12 Acrylic Pattern 12 Lens	277 277V	See MTX-1 for other color selections.	IBOB Inboard/Outboard Switching (3-Lamp only)
	1AD 1-Lamp Asymmetric Downlight		A19 Acrylic Pattern 19 Lens	347 347V		
ROW LENGTH	2U 2-Lamp Uplight	MOUNTING METHOD		BALLAST		
4 4' Single	3U 3-Lamp Uplight ¹	WM Wall Mount, Symmetric Dist.	CA Clear Acrylic Lens (No pattern)	E Electronic, Instant Start, (Std. for T8)		EL One Emergency Battery Pack ^{4,5}
8 8' Single	2U 2-Lamp Uplight	WMW Wall Mount, Wall Wash ³	OA Opal Acrylic Lens (No pattern)	EP Electronic, Programmed Start (Std. for T5 & T5HO, optional for T8)		EMC One Emergency Circuit ^{5,6}
– Indicate row length over 8' in 4' increments	3U 3-Lamp Uplight ¹	WMR Wall Mount, Room Wash ³	OCB White Cross Baffle	ED Electronic, Dimming (Must specify)		NL Night Light Circuit ^{5,6}
Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: Contact factory.	2AU 2-Lamp Asymmetric Uplight		NA No Shielding	Unless specified, Alera will use fewest ballasts possible.		
	2AD 2-Lamp Asymmetric Downlight					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 Connector box required on all 1- and 3-lamp uplight units if pendant or cable mounted. This option does not permit continuous shielding for all 1- and 3-lamp uplights.

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

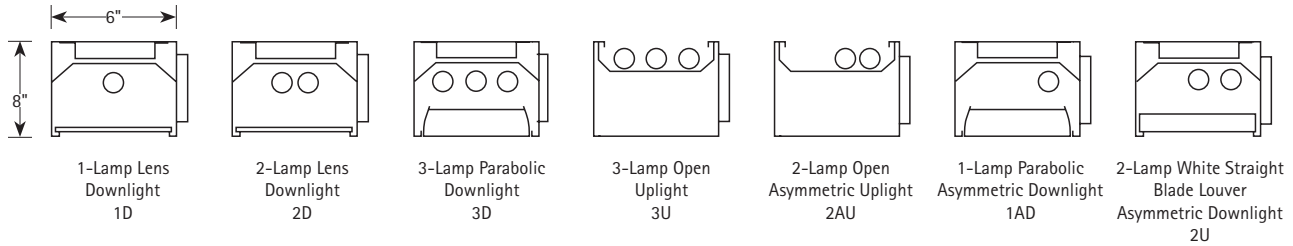
³ For use with asymmetric distributions.

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



PHOTOMETRIC DATA

LUMINAIRE DATA Test 8755

Luminaire	S8-2ADT12-WCB-LE S8 Architectural Beam 8" x 48" ASYMMETRIC, 2-LAMP DIRECT W/ WHITE STRAIGHT BLADE METAL LOUVER
Ballast	RQM-2S40
Ballast Factor	0.95
Lamp	F40/WW
Lumens per Lamp	3200
Watts	92
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 3.96 Width: 0.57 Height: 0.00

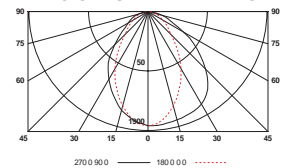
AVG. LUMINANCE (Candela/Sq. M.)

Angle	90.0	135.0	180.0	225.0	270.0
0	8684	8684	8684	8684	8684
30	9394	7065	5804	6156	6855
40	9238	6057	4258	4937	5939
45	8747	5314	3574	4316	5071
50	8079	4407	3153	3739	4318
55	7383	3583	2910	3151	3658
60	6209	3195	2680	2823	3491
65	5044	2922	2494	2573	3419
70	4768	2663	2301	2342	3402
75	4256	2469	2100	2082	3022
80	3460	2252	1867	1813	2307
85	2353	2025	1423	1313	1313

COEFFICIENTS OF UTILIZATION (%)

RCR	RW	80					70					50					0
		70	50	30	10	70	50	30	10	50	30	10	0				
1	58	56	54	52	57	55	53	51	52	51	50	46					
2	53	50	46	44	52	49	46	43	47	44	42	39					
3	49	44	41	38	48	44	40	37	42	39	37	34					
4	46	40	36	33	44	39	35	32	38	35	32	30					
5	42	36	32	29	41	36	32	29	35	31	28	27					
6	39	33	29	26	38	32	28	25	32	28	25	24					
7	37	30	26	23	36	30	26	23	29	25	23	21					
8	34	28	24	21	34	27	23	21	27	23	21	19					
9	32	26	22	19	32	25	22	19	25	21	19	18					
10	30	24	20	17	30	24	20	17	23	20	17	16					

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1258	19.7	37.4
0-40	1930	30.2	57.4
0-60	2915	45.6	86.6
0-90	3365	52.6	100.0
0-180	3365	52.6	100.0

ENERGY DATA

Total Luminaire Efficiency	52.6%
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 11/15/06

PHOTOMETRIC DATA

LUMINAIRE DATA Test 8756

Luminaire	S8-2AUDT12-LD-LE S8 Architectural Beam 8" x 48" ASYMMETRIC DIRECT/INDIRECT 2-LAMP WITH SEMI- SPECULAR LOUVER
Ballast	RQM-2S40
Ballast Factor	0.95
Lamp	F40/WW
Lumens per Lamp	3200
Watts	92
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = N/A 90° = N/A
Luminous Opening in Feet	Length: 3.92 Width: 0.52 Height: 0.00

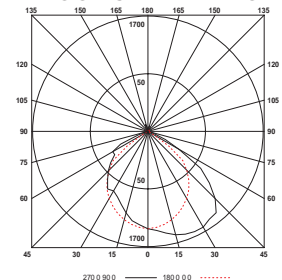
AVG. LUMINANCE (Candela/Sq. M.)

Angle	90.0	135.0	180.0	225.0	270.0
0	7583	7583	7583	7583	7583
30	9939	8939	6963	6152	6183
40	10788	9375	6459	5963	6376
45	10462	9327	6056	5989	6168
50	9718	9086	5512	5274	5890
55	8737	7890	3370	4576	5496
60	5587	5428	729	3253	6326
65	3536	1762	387	1387	5560
70	1451	479	293	463	2378
75	530	347	245	347	673
80	426	335	243	335	517
85	485	424	303	424	545

COEFFICIENTS OF UTILIZATION (%)

RCR	RW	80					70					50					0
		70	50	30	10	70	50	30	10	50	30	10	0				
1	61	59	57	55	59	58	56	54	55	53	52	47					
2	56	53	50	47	55	51	49	46	49	47	45	41					
3	52	47	43	40	51	46	42	40	44	41	39	35					
4	48	42	38	35	47	41	37	34	40	36	33	31					
5	44	38	33	30	43	37	33	30	36	32	29	27					
6	41	34	30	27	40	34	29	26	32	29	26	24					
7	38	31	27	24	37	31	26	23	30	26	23	21					
8	35	28	24	21	34	28	24	21	27	23	21	19					
9	33	26	22	19	32	26	22	19	25	21	19	17					
10	31	24	20	17	30	24	20	17	23	19	17	16					

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1130	17.7	31.8
0-40	1869	29.2	52.6
0-60	3177	49.6	89.4
0-90	3392	53.0	95.4
0-180	3554	55.5	100.0

ENERGY DATA

Total Luminaire Efficiency	55.5%
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 11/15/06