LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — For general area lighting or task-specific illumination in both new construction and remodeling applications. Especially suited for conference rooms, reception areas, health care institutions, educational facilities and offices. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** **Click here for Acrylic-Polycarbonate Compatibility table for suitable uses**.

CONSTRUCTION — Rugged universal 4' steel channel provides platform for reflector/diffuser module. A tandem unit is an 8' channel with two 4' reflector/diffuser modules. Joiners and finished ends are injection molded from tough ABS/PC blend with integral Avante white color.

All diffusers snap into place by pivoting on joiner/light trap for easy lamp access.

Injection molded joiners at each end allow fixtures to be field joined or completed as individual units with snap-on finished ends.

OPTICS — Down light, solid (DLS) reflector finished in high reflectance matte white polyester powder paint provides uniform light distribution. DLS is available with aluminum stepped reflector (ASR).

Up light, round hole perforated band (ULR) reflector finished in high reflectance matte white polyester powder paint has uniform light distribution with up light accent provided by 1-3/8" wide perforated band just above lamps.

All diffusers shield lamps from direct view.

Metal diffuser staggered round holes (MDR) 52% open perforated metal with .075" diameter holes backed with white acrylic diffuser.

Metal diffuser aligned mini slots (MDM) 46% open perforated metal backed with white acrylic diffuser.

Straight blade louver (SBL) sides of perforated metal with staggered round holes and solid blade louvered center. Sides and louver backed with white acrylic diffuser.

ELECTRICAL — All ballasts supplied are class P, thermally protected, resetting, HPF, non-PCB, UL Listed, CSA Certified. Energy saving and electronic ballasts are sound rated A. Standard combinations conform to UL 935.

INSTALLATION — AVSM can be directly mounted to most ceiling surfaces. Clips provided with fixture for surface mounting on tee bar in grid tiled ceilings. With mounting accessories, fixtures can be close to ceiling stem mounted or cable mounted up to 144". Fixture must be supported every 4'. Refer to the accessories tab for information on mounting configurations and limitations. Consult National Electrical Codes specifications for through wiring limitations.

LISTINGS — UL Listed to US and Canadian safety standards (see Options). NYC approved (see Options).

WARRANTY — 1-year limited warranty. Full warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

Surface/Suspended Mount Lighting

AVSM 1' X 4'



LINEAR FLUORESCENT

T8

1 or 2 Lamp

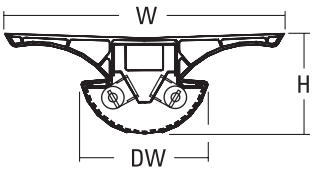
Specifications

Length: 48 (121.9)

Width: 12 (30.5)

Diffuser width: 5-1/2 (14.0)

Depth: 4-3/8 (11.1)



All dimensions are inches (centimeters) unless otherwise indicated.

Avante is covered by one or more of the following patents: 5,988,829; 399,586; 411,641; 413,402; 2,212,513; 87,513.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: AVSM 2 32 MDR DLS 120 GEB10IS

		32				
Series	**Number of lamps**	**Lamp type**	**Diffuser**	**Light distribution**	**Voltage**	**Options**
AVSM 1' wide TAVSM 1' Wide, 8' long unit with 4' lamps end to end	1 2 Not included.	32 32W T8 (48")	MDR Metal diffuser, round holes SBL Straight blade louver, round holes MDM Metal diffuser, mini slots Others available.	DLS Down light, solid ULR Up light, round holes[1]	120 277 347[2] MVOLT[3] Others available.	GEB10IS Electronic ballast, ≤10% THD, instant start GEB10PS Electronic ballast, ≤10% THD, programmed start ALG Acrylic litter guard[4] EL Emergency battery pack (nominal 300 lumens, see Life Safety section) GLR Internal fast-blow fuse[5] LP__ Lamped. Specify lamp type and color CSA Listed and labeled to comply with Canadian Standards NY3 New York City approved Reflector option ASR Aluminum stepped reflector (only available with DLS)

Accessories: *Order as separate catalog number.*[4]

AVACF__	Avante adjustable cable feed accessory kit for grid ceiling.
AVACF__4W	Avante adjustable four-wire cable feed accessory kit for grid ceiling.
AVAC__	Avante adjustable cable non-feed accessory kit for grid ceiling. Fixture must be supported every 4'.
SQ__	Swivel hanger; specify in 2" increments. Fixture must be supported every 4'.

Notes

1 For suspended mounting only.
2 Not available with GEB10PS.
3 MVOLT (120 - 277 volt).
4 Refer to options and accessories tab for more detailed information.
5 Not available with MVOLT.

AVSM 1 x 4 Linear Fluorescent T8

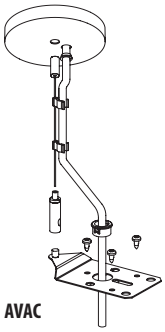
MOUNTING DATA

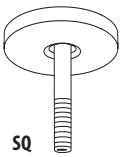
For unit or row installation, surface or stem mounting.

Unit installation — Minimum of two hangers required.

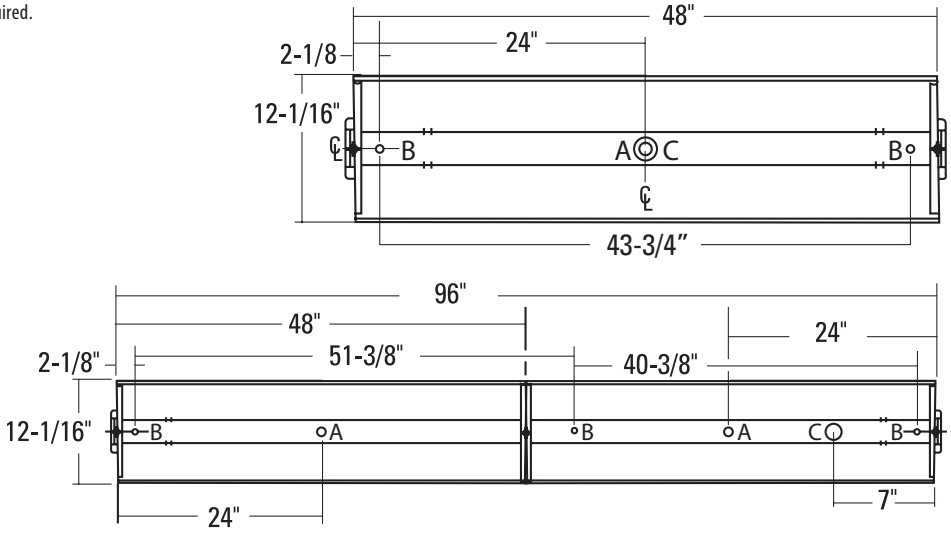
Row installation — One hanger per channel plus one per row required.

Hanging devices illustrated below.

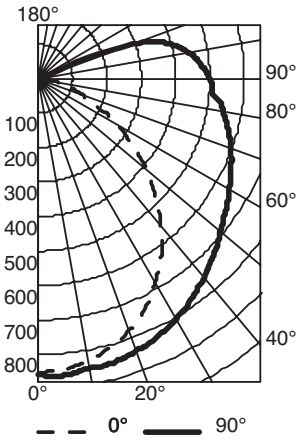




KEY: A = 5/8" Knockout
B = 7/8" Knockout
C = 2" Double Knockout



AVSM 2 32 MDR DLS, (2) 32W T8 lamps, 2850 lumens per lamp, s/m 1.2 (along) 1.4 (across), test no. LTL 9446



CP Summary

	0°	90
0°	858	858
5°	846	863
15°	807	852
25°	735	823
35°	625	779
45°	486	722
55°	335	667
65°	193	618
75°	92	573
85°	30	510
90	11	500

Coefficients of Utilization

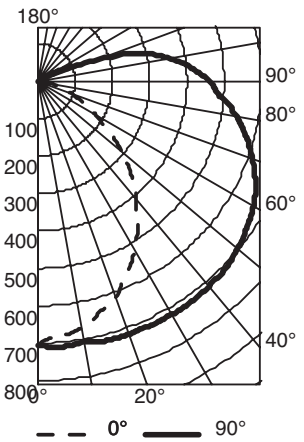
pf		20%								
pc		80%			70%			50%		
pw		70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	75	75	75	73	73	73	67	67	67
	1	66	62	59	60	57	54	55	53	50
	2	60	53	48	51	46	42	47	43	40
	3	54	46	40	44	39	34	41	36	33
	4	49	41	34	39	33	29	36	31	27
	5	45	36	30	35	29	25	32	27	23
	6	41	32	26	31	25	21	29	24	20
	7	38	29	23	28	23	19	26	21	18
	8	36	27	21	26	20	17	24	19	16
	9	33	24	19	24	18	15	22	17	14
	10	31	22	17	22	17	13	20	16	13

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	678	11.9	18.3
0° - 40°	1121	19.7	30.2
0° - 60°	2059	36.1	55.5
0° - 90°	3196	56.1	86.1
90° - 120°	516	9.0	13.9
90° - 130°	516	9.0	13.9
90° - 150°	516	9.0	13.9
90° - 180°	516	9.0	13.9
0° - 180°	3711	65.1	100.0

Efficiency: 65.1%

AVSM 2 32 SBL DLS ASR, (2) 32W T8 lamps, 2850 lumens per lamps, s/m 1.1 (along) 1.6 (across), test no. LTL 9576



CP Summary

	0°	90
0°	704	704
5°	686	712
15°	640	717
25°	565	719
35°	469	719
45°	354	710
55°	233	683
65°	131	644
75°	66	579
85°	19	493
90	3	461

Coefficients of Utilization

pf		20%								
pc		80%			70%			50%		
pw		70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	65	65	65	63	63	63	59	59	59
	1	57	54	50	52	49	46	48	45	43
	2	51	46	41	44	40	36	41	37	34
	3	46	39	34	38	33	29	35	31	28
	4	42	35	29	33	28	24	31	27	23
	5	39	31	25	30	24	21	28	23	20
	6	35	27	22	26	21	18	25	20	17
	7	33	25	19	24	19	15	22	18	15
	8	30	22	17	22	17	14	20	16	13
	9	28	21	16	20	15	12	19	15	12
	10	27	19	14	18	14	11	17	13	11

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	554	9.7	17.3
0° - 40°	924	16.2	28.8
0° - 60°	1748	30.7	54.5
0° - 90°	2809	49.3	87.6
90° - 120°	395	6.9	12.3
90° - 130°	397	7.0	12.4
90° - 150°	397	7.0	12.4
90° - 180°	397	7.0	12.4
0° - 180°	3206	56.2	100.0

Efficiency: 56.2%

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