

## 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 integrity of acrylic.** [Click here for Acrylic Environmental 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.

### OPTICAL SYSTEM

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 SYSTEM

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". Refer to the accessories tab for information on mounting configurations and limitations. Consult National Electrical Codes specifications for through wiring limitations.

### LISTING

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

Catalog Number	
Notes	Type

### Surface/Suspended Mount Lighting

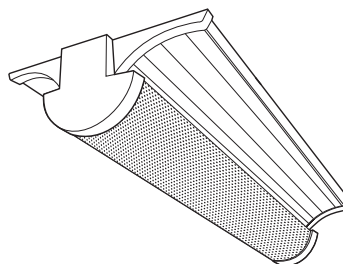
# AVSM 1' x 4'

*Avante®*  
Recessed Direct/Indirect Lighting

Linear Fluorescent

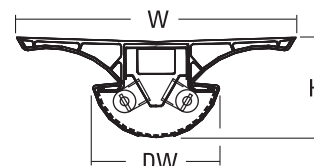
T8

1 or 2 lamp



### Specifications

Length: 48" (1219)  
Width: 12" (305)  
Diffuser Width: 5-1/2" (140)  
Depth: 4-3/8" (111)



All dimensions are inches (millimeters).

Specifications are subject to change without notice.

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

Example: AVSM 2 32 MDR DLS 120 GEB

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

### NOTES:

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

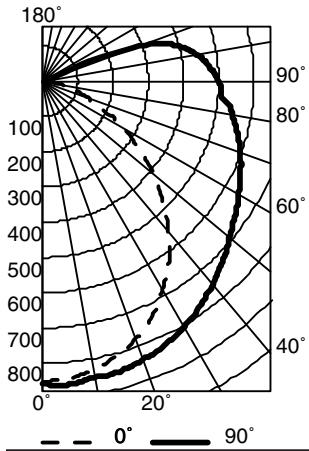
### Accessories

Order as separate catalog number.<sup>3</sup>

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.
SQ__	Swivel hanger; specify in 2" increments.

# AVSM 1x4 Linear Fluorescent T8

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

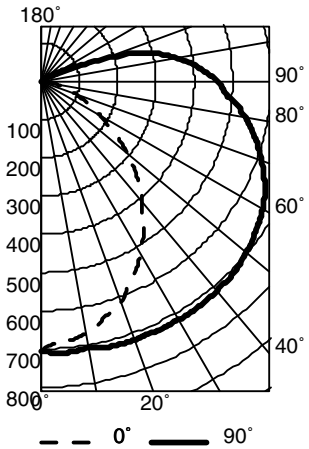
RCR	pf	20%								
		80%			70%			50%		
	pc	70%	50%	30%	50%	30%	10%	50%	30%	10%
	pw	75	75	75	73	73	73	67	67	67
0	0	66	62	59	60	57	54	55	53	50
1	1	60	53	48	51	46	42	47	43	40
2	2	54	46	40	44	39	34	41	36	33
3	3	49	41	34	39	33	29	36	31	27
4	4	45	36	30	35	29	25	32	27	23
5	5	41	32	26	31	25	21	29	24	20
6	6	38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

### 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 lamp, 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

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

### Zonal Lumen Summary

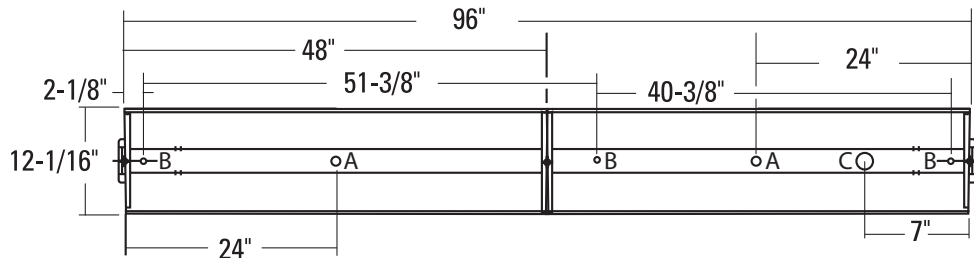
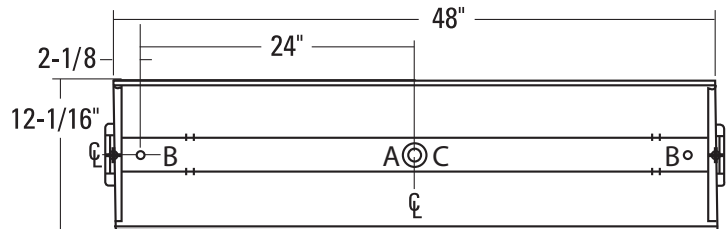
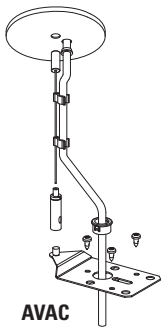
Zone	Lumens	% Lamp	% Fixture
0° - 30°	554	9.7	17.3
0° - 40°	924	16.2	28.8
0° - 60°	1748	30.7	54.5
0° - 90°	2809	49.3	87.6
90° - 120°	395	6.9	12.3
90° - 130°	397	7.0	12.4
90° - 150°	397	7.0	12.4
90° - 180°	397	7.0	12.4
0° - 180°	3206	56.2	100.0

Efficiency: 56.2%

## 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



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