

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The Avante side-mounted diffuser is for use as general area lighting and for private offices. Especially suited for conference rooms, corridors and reception areas where soft distinctive lighting is required. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Housing is gloss white enamel on cold rolled steel. All edges hemmed or rounded.

All shieldings pivot on light traps and swing down for easy lamp access.

Molded light traps prevent light leaks between shielding and endplates.

**OPTICS** — Matte white polyester powder paint finished reflector provides uniform light distribution. Optional diffuse aluminum stepped reflectors available.

All diffusers control direct light distribution and glare by shielding 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.

**ELECTRICAL** — Highly efficient program-start electronic ballasts, Class P, thermally protected, resetting, HPF, non-PCB, UL Listed, CSA Certified. Sound rated A.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

**INSTALLATION** — Trims available for standard 1" and 9/16" tee bar or screw slot grids.

Fixtures can be row mounted end-to-end.

Drywall ceiling adapters available.

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

**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.**

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

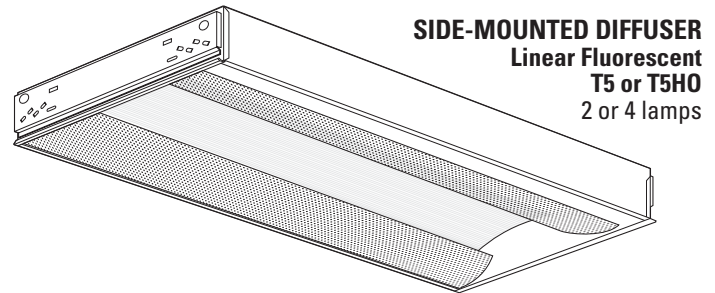
**NOTE:** Actual performance may differ as a result of end-user environment and application.

Specifications are subject to change without notice.

Catalog Number
Notes
Type

*Avante*<sup>®</sup>  
Direct/Indirect Lighting

# 2AV 2'x4' SMD



**SIDE-MOUNTED DIFFUSER**  
Linear Fluorescent  
T5 or T5HO  
2 or 4 lamps

### Specifications

Length: 48 (121.9)

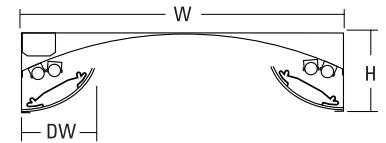
Width: 24 (61.0)

Diffuser width: 6 (15.2)

Depth: 5-1/2 (14.0)

5-7/8 (14.9) for air fixture

All dimensions are inches (centimeters) unless otherwise indicated.



### ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

**Example:** 2AV G 2 28T5 MDR SMD MVOLT GEB115

2AV Series	Trim type	Air function	Number of lamps	Lamp type	Diffuser	SMD Lamp distribution
2AV 2' wide	<b>G</b> Grid trim ST Screw slot	<b>(blank)</b> Static (no air function) A Air return/supply	<b>2</b> 4 <i>Not included.</i>	<b>28T5</b> 28W T5 (46") 54T5HO 24W T5HO (46")	<b>MDR</b> Metal diffuser, round holes <b>MDM</b> Metal diffuser, mini slots <i>Others available.</i>	<b>SMD</b> Side-mounted diffuser

Voltage	Options															
<b>MVOLT</b> <sup>1</sup> 347 <i>Others available.</i>	<table border="0"> <tr> <td>GEB10PS</td> <td>Electronic ballast, &lt; 10% THD, program start</td> <td rowspan="8"> <b>PWS1836</b> 6' prewire, 3/8" dia., 18-gauge, 3 wires  <b>QFC</b> Quick-Flex<sup>®</sup> cable<sup>4</sup>  <b>NYC</b> New York City approved  <b>CP</b> Chicago Plenum approved  <u>Reflector option</u>  <b>ASR</b> Aluminum stepped reflector                 </td> </tr> <tr> <td><b>GEB115</b></td> <td>1.15 ballast factor, two-lamp only<sup>2</sup></td> </tr> <tr> <td>GEB115S</td> <td>1.15 ballast factor, step-dim<sup>2</sup></td> </tr> <tr> <td>ALG</td> <td>Acrylic litter guard<sup>3</sup></td> </tr> <tr> <td><b>EL14</b></td> <td>Emergency battery pack (nominal 300 lumens, see Life Safety section)<sup>4</sup></td> </tr> <tr> <td>GLR</td> <td>Internal fast-blow fuse<sup>4</sup></td> </tr> <tr> <td>LP_</td> <td>Lamped. Specify lamp type and color</td> </tr> </table>	GEB10PS	Electronic ballast, < 10% THD, program start	<b>PWS1836</b> 6' prewire, 3/8" dia., 18-gauge, 3 wires <b>QFC</b> Quick-Flex <sup>®</sup> cable <sup>4</sup> <b>NYC</b> New York City approved <b>CP</b> Chicago Plenum approved <u>Reflector option</u> <b>ASR</b> Aluminum stepped reflector	<b>GEB115</b>	1.15 ballast factor, two-lamp only <sup>2</sup>	GEB115S	1.15 ballast factor, step-dim <sup>2</sup>	ALG	Acrylic litter guard <sup>3</sup>	<b>EL14</b>	Emergency battery pack (nominal 300 lumens, see Life Safety section) <sup>4</sup>	GLR	Internal fast-blow fuse <sup>4</sup>	LP_	Lamped. Specify lamp type and color
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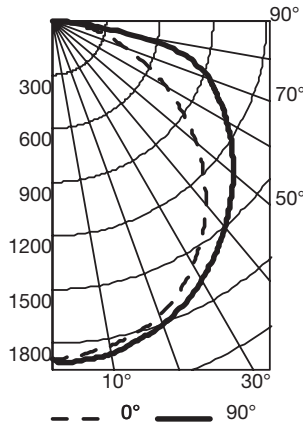
<b>Accessories:</b> Order as separate catalog number.	
DGA24	Drywall ceiling adapter, unit installation. Use G trim plus DGA accessory for fixture trim flange and fixture support in plaster or plasterboard ceilings.

### Notes

- MVOLT (120 - 277 volt).
- For two-lamp 28T5 only.
- Refer to options and accessories tab for more detailed information.
- Must specify voltage, 120 or 277.

# 2AV 2x4 SMD Direct/Indirect Lighting

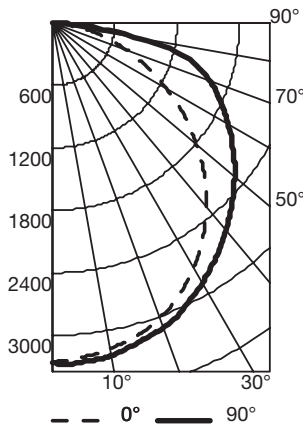
2AV G 2 54T5HO MDR SMD, (2) 54W T5HO lamps, 4450 lumens per lamp, s/m 1.2 (along) 1.3 (across), test no. LTL 10108



CP Summary		pf	Coefficients of Utilization									Zonal Lumen Summary				
0°	90°		80%			20%			50%			Zone	Lumens	% Lamp	% Fixture	
		pc	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%				
0°	1893	1893	0	79	79	79	77	77	77	74	74	74	0° - 30°	1479	16.6	25.1
5°	1873	1903	1	71	68	65	67	64	61	64	61	59	0° - 40°	2432	27.3	41.2
15°	1807	1845	2	65	59	54	57	53	49	55	51	48	0° - 60°	4386	49.3	74.4
25°	1674	1745	3	59	51	45	50	45	41	48	44	40	0° - 90°	5898	66.3	100.0
35°	1466	1591	4	53	45	39	44	39	34	43	38	34	90° - 180°	0	0.0	0.0
45°	1197	1413	5	49	40	34	39	34	29	38	33	29	0° - 180°	5898	66.3	100.0
55°	893	1226	6	45	36	30	35	30	25	34	29	25				
65°	581	1030	7	42	33	27	32	26	22	31	26	22				
75°	309	793	8	39	30	24	29	24	20	28	23	20				
85°	62	167	9	36	27	22	27	22	18	26	21	18				
90°	0	0	10	34	25	20	25	20	16	24	19	16				

Efficiency: 66.3%

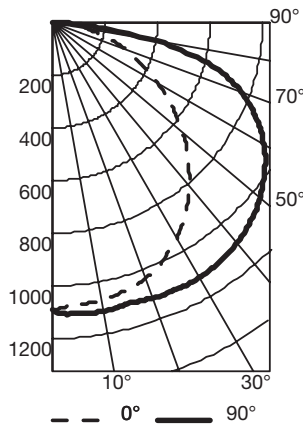
2AV G 4 54T5HO MDR SMD, (2) 54W T5HO lamps, 4450 lumens per lamp, s/m 1.2 (along) 1.3 (across), test no. LTL 10111



CP Summary		pf	Coefficients of Utilization									Zonal Lumen Summary				
0°	90°		80%			20%			50%			Zone	Lumens	% Lamp	% Fixture	
		pc	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%				
0°	3255	3255	0	68	68	68	66	66	66	63	63	63	0° - 30°	2546	14.3	25.0
5°	3220	3265	1	62	59	56	57	55	53	55	53	51	0° - 40°	4190	23.5	41.2
15°	3108	3175	2	56	51	46	50	46	42	47	44	41	0° - 60°	7566	42.5	74.4
25°	2881	3005	3	51	44	39	43	39	35	41	38	34	0° - 90°	10164	57.1	100.0
35°	2522	2747	4	46	39	34	38	33	29	37	32	29	90° - 180°	0	0.0	0.0
45°	2069	2445	5	42	35	29	34	29	25	33	28	25	0° - 180°	10164	57.1	100.0
55°	1543	2120	6	39	31	26	31	26	22	30	25	22				
65°	1001	1784	7	36	28	23	28	23	19	27	22	19				
75°	527	1375	8	34	26	21	25	20	17	24	20	17				
85°	106	284	9	31	24	19	23	19	15	23	18	15				
90°	0	0	10	29	22	17	21	17	14	21	17	14				

Efficiency: 57.1%

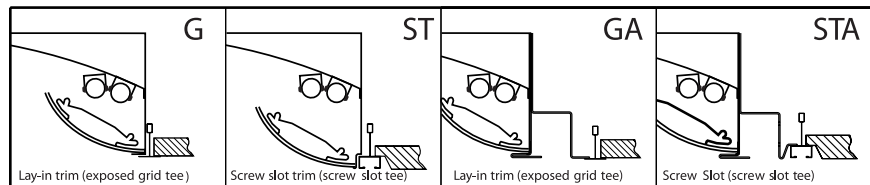
2AV G 4 54T5HO MDR SMD ASR, (2) 54W T5HO lamps, 4450 lumens per lamp, s/m 1.3 (along) 1.5 (across), test no. LTL 10109



CP Summary		pf	Coefficients of Utilization									Zonal Lumen Summary				
0°	90°		80%			20%			50%			Zone	Lumens	% Lamp	% Fixture	
		pc	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%				
0°	1093	1093	0	54	54	54	52	52	52	50	50	50	0° - 30°	896	10.1	22.3
5°	1078	1108	1	48	46	44	45	43	41	43	41	40	0° - 40°	1516	17.0	37.8
15°	1056	1106	2	44	39	36	39	35	33	37	34	32	0° - 60°	2888	32.4	72.0
25°	995	1117	3	39	34	30	33	30	27	32	29	26	0° - 90°	4010	45.1	100.0
35°	884	1110	4	36	30	26	29	25	22	28	25	22	90° - 180°	0	0.0	0.0
45°	732	1068	5	33	27	22	26	22	19	25	21	19	0° - 180°	4010	45.1	100.0
55°	555	986	6	30	24	20	23	19	16	23	19	16				
65°	372	856	7	28	21	17	21	17	14	20	17	14				
75°	215	630	8	26	20	15	19	15	13	19	15	13				
85°	42	127	9	24	18	14	18	14	11	17	14	11				
90°	0	0	10	23	16	13	16	13	10	16	12	10				

Efficiency: 45.1%

MOUNTING DATA	
Ceiling Type	Appropriate Trim Type
Exposed grid tee (1' and 9/16")	G
Concealed grid tee	G
Screw slot	ST
Plaster or plasterboard	G*



\*DGA accessory available to provide ceiling trim flange and fixture support for plaster or plasterboard ceiling. Recommended rough-in dimensions for DGA installation is 24-3/4" x 48-3/4" (Tolerance is +1/8", -0").