

Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

INTENDED USE — The Avante 2x2 is an indoor lighting luminaire for private and open offices, circulation areas, classrooms, libraries, cafeterias, airport ticketing, waiting areas and numerous other commercial applications. Static or air functions available. **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.

All air and screw slot units supplied with screw-on tee bar clips. Ballast access is from below.

OPTICS — Twin matte white polyester powder paint finished reflectors provide uniform light distribution. Optional low brightness 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.

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

Acrylic diffuser prismatic lens (ADP) extruded acrylic lens backed with white acrylic diffuser.

Metal diffuser with center slots (MDC). 52% open metal, .075" diameter holes with 1" wide solid center. With 1/2"x2" open slots. Diffuser is backed with white acrylic overlay.

ELECTRICAL — All ballasts supplied are class P, thermally protected, resetting, HPF, non-PCB, UL Listed, CSA Certified. Ballasts are sound rated A. Standard combinations conform to UL 935. All T5 and T5HO ballasts are program start.

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

The two-lamp F14T5 configurations is available with SIMPLY5™ lighting intelligence. S5 option available for use with SIMPLY5 lighting intelligence system. See 2AV-2x2-T5_S5 and SYNERGY® Lighting Controls specification sheets for more information.

INSTALLATION — Trims available for standard 1" and 9/16" tee bar or screw slot grids. Fixtures can be row mounted end-to-end.

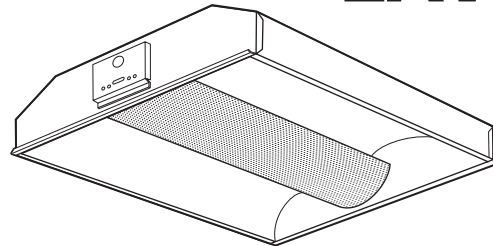
Drywall ceiling adapters available.

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

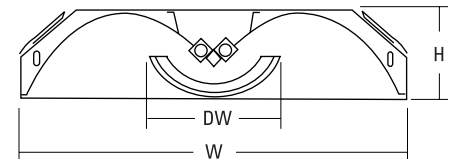
Avante is covered by one or more of the following patents: 5,988,829; 399,586; 411,641;

Avante
Direct/Indirect Lighting

2AV 2'x2'



Linear Fluorescent
T5 or T5HO
1, 2 or 3 lamps



Specifications

Length: 24 (61.0)

Width: 24 (61.0)

Diffuser width: 8 (20.3)

Depth: 5-1/2 (14.0)

5-7/8 (14.9) for air fixture

All dimensions are inches (centimeters) unless otherwise indicated.

SIMPLY5™
LIGHTING INTELLIGENCE

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

NOTE: Specifications are subject to change without notice.

ORDERING INFORMATION

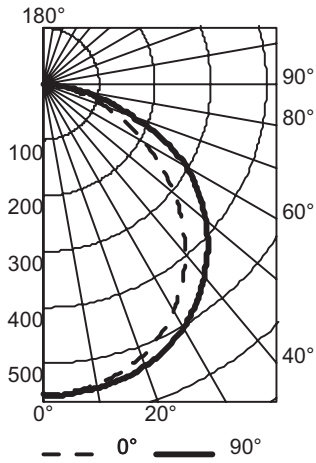
For shortest lead times, configure product using **standard options (shown in bold)**.

Example: 2AV G 2 24T5HO MDR MVOLT GEB10PS

2AV Series 2AV 2' wide		Number of lamps 1 2 3 Not included.		Lamp type 14T5 14W T5 (22") 24T5HO 24W T5HO (22")		Voltage 347 MVOLT² Others available.		Options GEB10PS Electronic ballast, ≤ 10% THD, program start GEB115 1.15 ballast factor ³ GEB115S 1.15 ballast factor, step-dim ³ S5 0.95 ballast factor, SIMPLY5 system ⁴ ALG Acrylic litter guard ¹ EL14 Emergency battery pack (nominal 1100 to 1400 lumens, see Life Safety section) HW Hardwire for SIMPLY5™ system; replaces RELOC® GLR Internal fast-blow fuse ⁵ LP_ Lamped. Specify lamp type and color PWS1836 6' prewire, 3/8" dia., 18-gauge, 3 wires NY3 New York City approved QFC Quick-Flex® cable ⁵ CP Chicago Plenum approved APB Air pattern control blades ¹	
Trim type G Grid trim ST Screw slot		Air function (blank) Static (no air function) A Air return/supply		Diffuser MDR Metal diffuser, round holes SBL Straight blade louver, round holes MDM Metal diffuser, mini slots ADP Acrylic diffuser, linear prismatic lens MDC Metal diffuser, round holes with large center slots ¹ Others available.		Reflector option ASR Aluminum stepped reflector			
Accessories Order as separate catalog number. DGA22 Drywall ceiling adapter, unit installation. Use G trim plus DGA accessory for fixture trim flange and fixture support in plaster or plasterboard ceilings.									
NOTES: 1 Refer to options and accessories section for more detailed information. 2 MVOLT (120 - 277 volt). 3 For two-lamp 14T5 only. 4 SIMPLY5 system includes 13' S5 RELOC® wiring system. Specify voltage unless HW (hardwire) or PWS1836 is ordered. For two-lamp 14T5 only. Not available with 24T5HO. 5 Must specify voltage, 120 or 277.									

2AV 2x2 Direct/Indirect Lighting

2AV G 2 14 MDR, (2) 14W T5 lamps, 1220 lumens per lamp, test no. LTL 9694



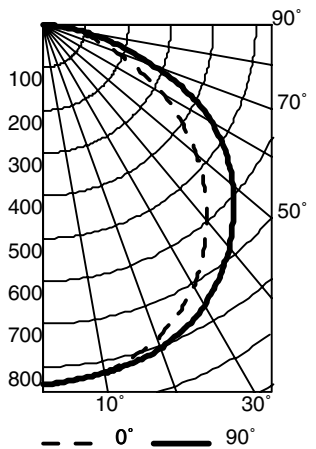
CP Summary		
	0°	90°
0°	556	556
5°	553	557
15°	534	546
25°	495	522
35°	434	478
45°	355	417
55°	257	340
65°	165	239
75°	76	117
85°	17	22
90°	0	0

Coefficients of Utilization										
pc	pw	80%			20%			50%		
		70%	50%	30%	50%	30%	10%	50%	30%	10%
0	80	80	80	80	78	78	78	75	75	75
1	73	70	67	68	66	63	66	63	61	
2	66	61	56	60	55	52	57	54	51	
3	61	53	48	52	47	43	50	46	42	
4	55	47	41	46	41	36	45	40	36	
5	51	42	36	41	36	31	40	35	31	
6	47	38	32	37	31	27	36	31	27	
7	43	34	28	34	28	24	33	28	24	
8	40	31	25	31	25	21	30	25	21	
9	38	29	23	28	23	19	27	23	19	
10	35	26	21	26	21	17	25	21	17	

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	440	18.0	26.8
0° - 40°	725	29.7	44.2
0° - 60°	1297	53.2	79.1
0° - 90°	1640	67.2	100.0
90° - 180°	0	0.0	0.0
0° - 180°	1640	67.2	100.0

Efficiency: 67.2%

2AV G 2 24T5HO MDR, (2) 24W T5HO lamps, 1750 lumens per lamp, s/m 1.2 (along) 1.3 (across), test no. LTL 8927



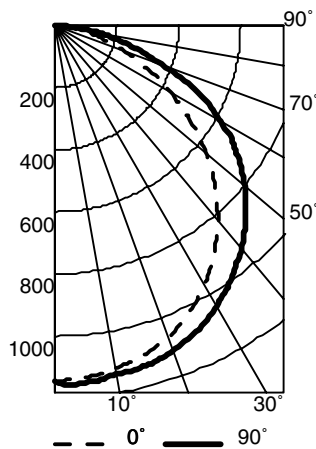
CP Summary		
	0°	90°
0°	842	842
5°	837	834
15°	806	818
25°	748	786
35°	655	723
45°	536	634
55°	397	525
65°	248	376
75°	119	180
85°	23	36
90°	0	0

Coefficients of Utilization										
pc	pw	80%			20%			50%		
		70%	50%	30%	50%	30%	10%	50%	30%	10%
0	84	84	84	84	82	82	82	78	78	78
1	77	73	70	72	69	67	69	67	65	
2	70	64	59	63	58	54	60	56	53	
3	64	56	50	55	50	45	53	48	44	
4	58	50	43	49	43	38	47	42	38	
5	53	44	38	43	37	33	42	37	32	
6	49	40	33	39	33	29	38	32	28	
7	46	36	30	35	29	25	34	29	25	
8	42	33	27	32	26	22	31	26	22	
9	40	30	24	30	24	20	29	24	20	
10	37	28	22	27	22	18	27	22	18	

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	662	18.8	26.6
0° - 40°	1094	31.1	44.0
0° - 60°	1961	55.7	78.9
0° - 90°	2487	70.6	100.0
90° - 180°	0	0.0	0.0
0° - 180°	2487	70.6	100.0

Efficiency: 70.6%

2AV G 3 24T5HO MDR, (3) 24W T5HO lamps, 1750 lumens per lamp, s/m 1.2 (along) 1.3 (across), test no. LTL 9692



CP Summary		
	0°	90°
0°	1147	1147
5°	1137	1153
15°	1100	1133
25°	1022	1084
35°	896	995
45°	730	872
55°	536	717
65°	332	509
75°	153	257
85°	28	55
90°	0	0

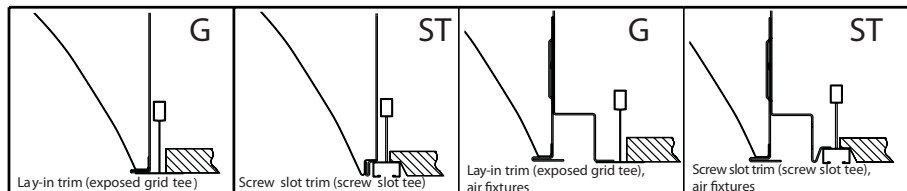
Coefficients of Utilization										
pc	pw	80%			20%			50%		
		70%	50%	30%	50%	30%	10%	50%	30%	10%
0	77	77	77	77	75	75	75	72	72	72
1	71	67	65	66	63	61	63	61	59	
2	64	59	54	57	53	50	55	52	49	
3	58	51	46	50	45	41	48	44	41	
4	53	45	40	45	39	35	43	38	35	
5	49	41	35	40	34	30	38	34	30	
6	45	36	31	36	30	26	35	30	26	
7	42	33	27	32	27	23	31	27	23	
8	39	30	24	30	24	21	29	24	20	
9	36	28	22	27	22	18	26	22	18	
10	34	25	20	25	20	17	24	20	17	

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	905	17.2	26.6
0° - 40°	1495	28.5	43.9
0° - 60°	2684	51.1	78.8
0° - 90°	3407	64.9	100.0
90° - 180°	0	0.0	0.0
0° - 180°	3407	64.9	100.0

Efficiency: 64.9%

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 24-3/4" (Tolerance is +1/8", -0").