

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 and 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. Slotted with 1/2"x2" open slots. Diffuser is backed with white acrylic overlay.

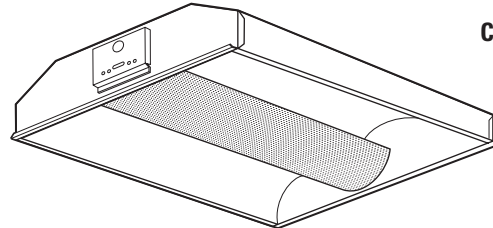
ELECTRICAL — All ballasts supplied are class P, thermally protected, resetting, HPF, non-PCB, UL Listed, CSA Certified. Ballasts are sound rated A. Standard combinations conform to UL 935.

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.

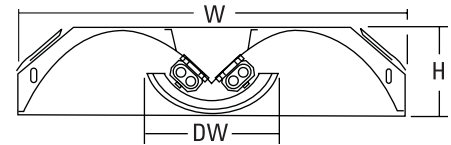
Avante
Direct/Indirect Lighting
2AV 2'x2'



Compact Fluorescent
1, 2 or 3 lamps

Specifications

Length: 24" (602)
Width: 24" (602)
Diffuser Width: 8" (203)
Depth: 5-1/2" (140)



All dimensions are inches (millimeters).

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.

NOTE: Specifications are subject to change without notice.

ORDERING INFORMATION

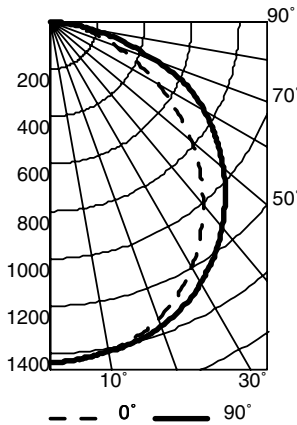
For shortest lead times, configure product using **standard options (shown in bold)**.

Example: 2AV G 2 CF40 MDR MVOLT GEB10RS

2AV									
Series		Number of lamps		Lamp type		Voltage		Options	
2AV 2' wide		1 2 3 Not included.		CF40 40W TT5 (22.5") CF50 50W TT5 (22.5") CF55 55W TT5 (22.5")		MVOLT ³ 347 Others available.		GEB10PS Electronic ballast, ≤ 10% THD, program start ¹ GEB10RS Electronic ballast, ≤ 10% THD, rapid start GEB10IS Electronic ballast, ≤ 10% THD, instant start ALG Acrylic litter guard ² EL14 Emergency battery pack (nominal 1400 lumens, see Life Safety section) GLR Internal fast-blow fuse ⁴ LP_ Lamped. Specify lamp type and color PWS1836 6' prewire, 3/8" dia., 18-gauge, 3 wires NY3 New York City approved CP Chicago Plenum approved APB Air pattern control blades ²	
Trim type		Air function		Diffuser					
G Grid trim ST Screw slot		(blank) Static (no air function) A Air return/supply		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 ² Others available.					
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 For CF50 and CF55 lamps only.									
2 Refer to options and accessories section for more detailed information.									
3 MVOLT (120 - 277 volt), where available.									
4 Must specify voltage, 120 or 277.									
Reflector option									
ASR Aluminum stepped reflector									

2AV 2x2 Direct/Indirect Lighting

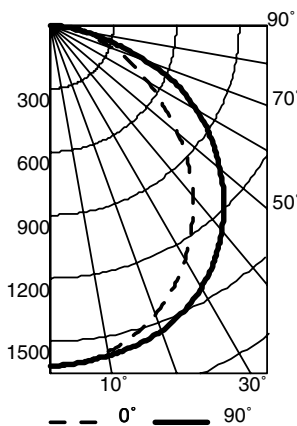
2AV G 2 CF40 MDR, (2) 40W CF lamps, 3150 lumens per lamp, s/m 1.2 (along) 1.3 (across), test no. LTL 10082



CP Summary		Coefficients of Utilization									Zonal Lumen Summary					
		0°	90°	pw	80%			70%			50%			Zone	Lumens	% Lamp
0°	1436	1436	0	79	79	79	77	77	77	74	74	74	0° - 30°	1127	17.9	27.0
5°	1433	1429	1	72	69	66	67	65	62	65	62	60	0° - 40°	1852	29.4	44.4
15°	1381	1398	2	65	60	55	59	55	51	56	53	50	0° - 60°	3290	52.2	78.9
25°	1274	1329	3	60	53	47	52	46	42	50	45	42	0° - 90°	4171	66.2	100.0
35°	1107	1211	4	55	47	41	46	40	36	44	39	35	90° - 180°	0	0.0	0.0
45°	897	1048	5	50	41	36	41	35	31	39	34	31	0° - 180°	4171	66.2	100.0
55°	655	857	6	46	37	31	37	31	27	35	30	27				
65°	404	638	7	43	34	28	33	28	24	32	27	24				
75°	190	323	8	40	31	25	30	25	21	29	25	21				
85°	39	63	9	37	28	23	28	23	19	27	22	19				
90°	0	0	10	35	26	21	26	21	17	25	20	17				

Efficiency: 66.2%

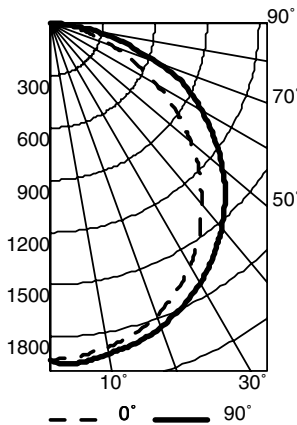
2AV G 2 CF40 SBL, (2) 40W CF lamps, 3150 lumens per lamp, s/m 1.2 (along) 1.3 (across), test no. LTL 10020



CP Summary		Coefficients of Utilization									Zonal Lumen Summary					
		0°	90°	pw	80%			70%			50%			Zone	Lumens	% Lamp
0°	1616	1616	0	85	85	85	83	83	83	79	79	79	0° - 30°	1249	19.8	27.9
5°	1610	1608	1	77	74	71	73	70	67	69	67	65	0° - 40°	2039	32.4	45.5
15°	1524	1572	2	70	65	60	63	59	55	61	57	54	0° - 60°	3568	56.6	79.6
25°	1380	1498	3	64	57	51	56	50	46	54	49	45	0° - 90°	4484	71.2	100.0
35°	1174	1364	4	59	50	44	49	44	39	48	43	39	90° - 180°	0	0.0	0.0
45°	929	1167	5	54	45	39	44	38	34	43	37	33	0° - 180°	4484	71.2	100.0
55°	655	934	6	50	40	34	40	34	29	39	33	29				
65°	423	666	7	46	37	30	36	30	26	35	30	26				
75°	214	305	8	43	34	27	33	27	23	32	27	23				
85°	49	60	9	40	31	25	30	25	21	30	24	21				
90°	0	0	10	38	28	23	28	23	19	27	22	19				

Efficiency: 71.2%

2AV G 3 CF40 MDR, (3) 40W CF lamps, 3150 lumens per lamp, s/m 1.2 (along) 1.2 (across), test no. LTL 8192

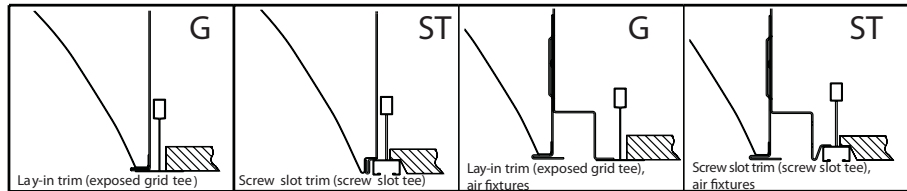


CP Summary		Coefficients of Utilization									Zonal Lumen Summary					
		0°	90°	pw	80%			70%			50%			Zone	Lumens	% Lamp
0°	1930	1930	0	71	71	71	69	69	69	66	66	66	0° - 30°	1513	16.0	26.9
5°	1917	1953	1	65	62	59	60	58	56	58	56	54	0° - 40°	2485	26.3	44.3
15°	1844	1899	2	59	54	50	53	49	46	50	47	45	0° - 60°	4417	46.7	78.7
25°	1708	1796	3	53	47	42	46	42	38	44	40	37	0° - 90°	5614	59.4	100.0
35°	1491	1633	4	49	42	36	41	36	32	39	35	32	90° - 180°	0	0.0	0.0
45°	1211	1421	5	45	37	32	37	31	28	35	31	27	0° - 180°	5614	59.4	100.0
55°	882	1151	6	41	33	28	33	28	24	32	27	24				
65°	536	856	7	38	30	25	30	25	21	29	24	21				
75°	252	452	8	36	28	23	27	22	19	26	22	19				
85°	52	93	9	33	25	20	25	20	17	24	20	17				
90°	0	0	10	31	23	19	23	19	15	22	18	15				

Efficiency: 59.4%

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").



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