

Avante

**DIRECT/INDIRECT
LIGHTING**



Visual Clarity

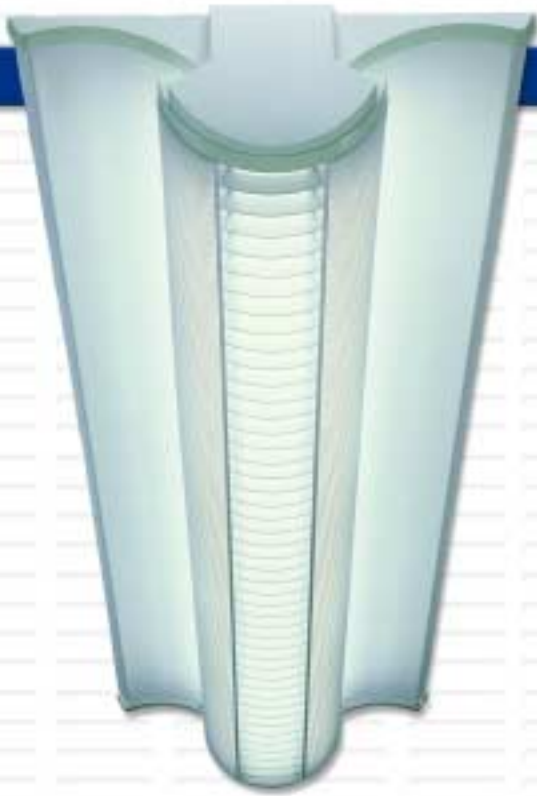
*I*nnovative from the beginning, Avante offers general area, task-specific and decorative accent lighting products that are designed to work together aesthetically. With a complete family of recessed direct/indirect luminaires, Avante is the only recessed direct/indirect lighting system with companion products designed for surface, suspended wall-mount applications.

The Avante optical system provides visual clarity and comfort, as well as spatial definition and luminance. The resulting distribution provides several capabilities.

- Illuminate vertical surfaces within a space, balancing luminance ratios throughout.
- Enhance visual comfort from all viewing angles.
- Expand the perceived volume of a space.
- Minimize shadowing on horizontal planes.
- Reduce shadows on occupants and improve facial rendering.
- Upgrade any space with a new, contemporary look.

Luminance

*Spatial
Definition*



Contemporary styling, combined with efficient and effective light distribution, creates an ideal luminaire for renovated spaces or where recessed fixture types are not possible.

- 1-lamp or 2-lamp configurations available in T5, T5HO or T8 and 1-lamp configurations in compact fluorescent
- Aluminum Stepped Reflector (ASR) option provides low brightness with a natural aluminum reflector finish
- Elegant surface cable-suspended or stem-mounted direct/indirect luminaire
- Rugged steel housing in 2', 4' or 8' units are field joinable for continuous rows
- Up Light Reflector (ULR) option available for increased uplight
- Sculpted injection molded joiners with snap-on finished ends



SURFACE/SUSPENDED MOUNT DIFFUSER OPTIONS



MDR:
Metal Diffuser, Round holes



SBL:
Straight Blade Louver, round holes



MDM:
Metal Diffuser, Mini slots



AVSM JOINT DETAIL

2 X 2 SYMMETRIC

*S*uitable for small office and general area lighting, the compact design of the 2'x2' Avante allows for maximum flexibility of luminaire placement.



- 1-lamp, 2-lamp or 3-lamp configurations available in compact fluorescent
- 2-lamp or 3-lamp configurations available in T5, T5HO or T8
- Aluminum Stepped Reflector (ASR) option provides low brightness with a natural aluminum reflector finish
- Injection-molded light traps eliminate light leaks between diffusers and end plates
- Air handling function available
- Optional screw slot trim available

2 X 2 SYMMETRIC DIFFUSER OPTIONS



MDR:
Metal Diffuser, Round holes



SBL:
Straight Blade Louver, round holes



MDM:
Metal Diffuser, Mini slots

2 X 2 SIDE MOUNT

The optimum mix of directional and diffuse reflected light is especially suited for offices, conference rooms, corridors and reception areas.



- 2-lamp configurations available in compact fluorescent
- 2-lamp or 4-lamp configurations available in T5, T5HO or T8
- Aluminum Stepped Reflector (ASR) option provides low brightness with a natural aluminum reflector finish
- Injection-molded light traps eliminate light leaks between diffusers and end plates
- Two different diffuser options available
- Diffusers rotate on light trap for easy lamp access
- High-reflectance matte-white polyester powder painted reflectors provide uniform light distribution

2 X 2 SIDE MOUNT DIFFUSER OPTIONS



MDR:

Metal Diffuser, Round holes



MDM:

Metal Diffuser, Mini slots

2 X 4 SYMMETRIC

The 2'x4' is suitable for general area lighting. It performs exceptionally well in large spaces with high ceilings.

- 2-lamp or 3-lamp configurations available in T5, T5HO or T8
- Aluminum Stepped Reflector (ASR) option provides low brightness with a natural aluminum reflector finish
- Injection-molded light traps eliminate light leaks between diffusers and end plates
- Through-wiring and end-to-end mounting capability
- Air handling function available
- Dual level switching capability



2 X 4 SYMMETRIC DIFFUSER OPTIONS



MDR:

Metal Diffuser, Round holes



SBL:

Straight Blade Louver, round holes



MDM:

Metal Diffuser, Mini slots



2 X 4 SIDE MOUNT

Where luminaire aesthetics and uniform wall illumination are important, the side mounted diffuser balances light between task and proximate walls thereby enhancing visual comfort.



- 2-lamp or 4-lamp configurations available in T5, T5HO or T8
- Aluminum Stepped Reflector (ASR) option provides low brightness with a natural aluminum reflector finish
- Injection-molded light traps eliminate light leaks between diffusers and end plates
- Diffusers rotate on light-trap for easy lamp access
- Through-wiring and end-to-end mounting capability

2 X 4 SIDE MOUNT DIFFUSER OPTIONS



MDR:

Metal Diffuser, Round holes



MDM:

Metal Diffuser, Mini slots

1 X 2 AND 1 X 4 SYMMETRIC

*S*ymmetric 1'x2' and 1'x4' models offer a unique design suitable for corridor or general ambient lighting applications.



- For 1x2 fixtures, 1-lamp configurations available in T8 or compact fluorescent, 2-lamp configurations available in T5, T5HO or T8
- For 1x4 fixtures, 1-lamp configurations available in T8, 2-lamp configurations available in T5, T5HO or T8
- Aluminum Stepped Reflector (ASR) option provides low brightness with a natural aluminum reflector finish
- Injection-molded light traps eliminate light leaks between diffusers and end plates
- End-to-end mounting capability

1 X 2 & 1 X 4 SYMMETRIC DIFFUSER OPTIONS



MDR:
Metal Diffuser, Round holes



SBL:
Straight Blade Louver, round holes



MDM:
Metal Diffuser, Mini slots

1 X 2 AND 1 X 4 ASYMMETRIC

*P*erfect for spaces where uniform, vertical illumination is desired. 1'x2' and 1'x4' asymmetric wallwash models are the ideal companions to the larger 2'x2' and 2'x4' units.



- For 1x2 fixtures, 1-lamp configurations available in T5, T5HO or T8 or compact fluorescent, 2-lamp configurations available in T5, T5HO or T8
- For 1x4 fixtures, 1-lamp or 2-lamp configurations available in T5, T5HO or T8
- Aluminum Stepped Reflector (ASR) option provides low brightness with a natural aluminum reflector finish
- End-to-end mounting capability
- Provides complementary wallwash lighting for any Avante application
- Asymmetric distribution provides vertical surface illumination

1 X 2 & 1 X 4 ASYMMETRIC DIFFUSER OPTIONS



MDR:

Metal Diffuser, Round holes



MDM:

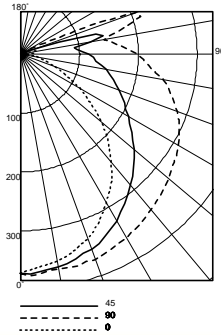
Metal Diffuser, Mini slots

PHOTOMETRIC INFORMATION

AVSM 1 CF40 MDR DLS 120 GEB ASR, (1) 40W TT5 lamp, s/mh (along) = 1.2, s/mh (across) = 1.5, Test No. LTL9523



1 x 2



COEFFICIENT OF UTILIZATION%

Floor	20																			
Ceiling	80	70	50	30	10	0														
Wall	70	50	30	10	50	30	10	50	30	10	0									
0	61	61	61	59	59	59	54	54	54	50	50	46	46	46	45					
1	54	51	48	45	43	41	41	39	38	38	37	35	34	34	34					
2	48	43	39	35	32	29	38	35	32	30	28	27	27	27	27					
3	44	37	33	29	26	23	42	36	31	28	33	29	26	30	27	25	28	26	23	22
4	40	33	28	24	20	17	38	32	27	23	29	25	22	27	24	21	25	22	20	18
5	36	29	24	20	16	13	35	29	23	20	26	22	19	24	21	18	22	19	17	16
6	34	26	21	18	14	11	32	25	21	17	23	19	16	22	18	16	20	17	15	13
7	31	24	19	15	11	8	30	23	18	15	21	17	14	20	16	14	18	15	13	12
8	29	21	17	14	10	7	27	21	16	13	19	15	12	18	15	12	17	14	12	10
9	27	20	15	12	8	6	26	19	15	12	18	14	11	17	13	11	15	13	10	09
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RCR

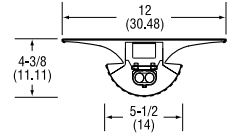
CANDLEPOWER SUMMARY

Angle	0	45	90
0	372	372	372
5	363	371	375
15	347	360	373
25	314	340	365
35	269	309	353
45	211	271	337
55	146	231	318
65	86	195	297
75	46	164	265
85	18	128	219
90	7	115	198

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	294	9.3	17.6
0-40°	488	15.5	29.3
0-60°	906	28.8	54.4
0-90°	1403	44.5	84.3
90-180°	261	8.3	15.7
0-180°	1664	52.8	100

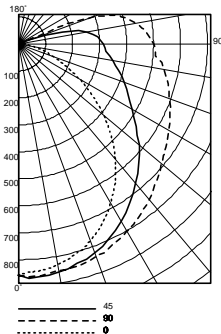
Efficiency = 52.8%



AVSM 2 32 MDR DLS 120 GEB, (2) 32W T8 lamps, s/mh (along) = 1.2, s/mh (across) = 1.4, Test No. LTL9446



1 x 4



COEFFICIENT OF UTILIZATION%

Floor	20																			
Ceiling	80	70	50	30	10	0														
Wall	70	50	30	10	50	30	10	50	30	10	0									
0	75	75	75	73	73	73	67	67	67	63	63	58	58	58	56					
1	66	62	59	55	52	49	64	60	57	54	55	53	50	51	49	47	46	44	42	
2	60	53	48	44	40	37	57	51	46	42	47	43	40	44	40	38	40	38	35	33
3	54	46	40	35	31	28	51	44	39	34	41	36	33	38	34	31	35	32	29	27
4	49	41	34	30	26	23	47	39	33	29	36	31	27	34	29	26	31	28	25	23
5	45	36	30	25	21	18	43	35	29	25	32	27	23	30	26	22	28	24	21	20
6	41	32	26	22	18	15	40	31	25	21	29	24	20	27	23	19	25	21	19	17
7	38	29	23	19	15	12	37	28	23	19	26	21	18	25	20	17	23	19	16	15
8	36	27	21	17	14	11	34	26	21	17	24	19	16	23	18	15	21	17	15	13
9	33	24	19	15	12	9	32	24	18	15	22	17	14	21	17	14	19	16	13	12
10	31	22	17	14	10	8	30	22	17	13	20	16	13	19	15	12	18	14	12	11

RCR

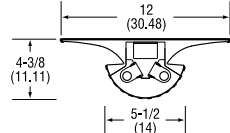
CANDLEPOWER SUMMARY

Angle	0	45	90
0	858	858	858
5	846	867	863
15	807	842	852
25	735	795	823
35	625	719	779
45	486	629	722
55	335	533	667
65	193	447	618
75	92	383	573
85	30	324	510
90	11	313	500

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	678.0	11.9	18.3
0-40°	1121.1	19.7	30.2
0-60°	2059.5	36.1	55.5
0-90°	3195.6	56.1	86.1
90-180°	515.8	9	13.9
0-180°	3711.4	65.1	100

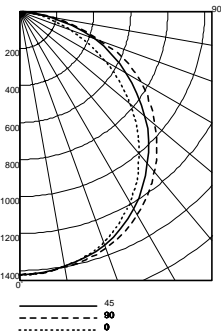
Efficiency = 65.1%



2AV G 2 CF40 MDR 120 GEB, (2) 40W TT5 lamps, s/mh (along) = 1.2, s/mh (across) = 1.3, Test No. LTL9806



2 x 2



COEFFICIENT OF UTILIZATION%

Floor	20																			
Ceiling	80	70	50	30	10	0														
Wall	70	50	30	10	50	30	10	50	30	10	0									
0	79	79	79	77	77	77	74	74	74	70	70	68	68	68	66					
1	72	69	66	63	60	57	64	62	60	57	55	53	50	54	51	49	47	46	46	
2	65	60	55	52	48	45	64	59	54	51	56	53	50	54	51	49	52	50	47	46
3	60	52	47	43	39	36	58	51	46	42	49	45	42	48	44	41	46	43	40	39
4	54	46	41	36	32	29	53	46	40	36	44	39	35	42	38	35	41	37	34	33
5	50	41	35	31	27	24	49	41	35	31	39	34	30	38	34	30	37	33	30	28
6	46	37	31	27	23	20	45	37	31	27	35	30	27	34	30	26	33	29	26	25
7	43	34	28	24	20	17	42	33	28	24	32	27	24	31	27	23	30	26	23	22
8	40	31	25	21	17	14	39	30	25	21	29	24	21	29	24	21	28	24	21	19
9	37	28	23	19	15	12	36	28	23	19	27	22	19	26	22	19	26	22	19	17
10	35	26	21	17	14	11	34	26	21	17	25	20	17	24	20	17	24	20	17	16

RCR

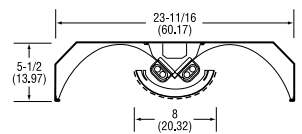
CANDLEPOWER SUMMARY

Angle	0	45	90
0	1422	1422	1422
5	1419	1416	1419
15	1370	1376	1387
25	1268	1293	1322
35	1111	1157	1206
45	897	983	1047
55	656	772	856
65	409	548	637
75	195	289	321
85	43	58	66
90	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	1120	17.8	26.8
0-40°	1843	29.3	44.2
0-60°	3283	52.1	78.7
0-90°	4171	66.2	100
90-180°	0	0	0
0-180°	4171	66.2	100

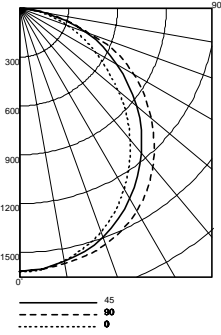
Efficiency = 66.2%



2AV G 2 CF40 SBL 120 GEB, (2) 40W TT5 lamps, s/mh (along) = 1.2, s/mh (across) = 1.3, Test No. LTL10020



2 x 2



COEFFICIENT OF UTILIZATION%

Floor	20																			
Ceiling	80	70	50	30	10	0														
Wall	70	50	30	10	50	30	10	50	30	10	0									
0	85	85	85	83	83	83	79	79	79	76	76	73	73	73	71					
1	77	74	71	68	65	62	76	73	70	67	69	67	65	67	65	63	64	63	61	60
2	70	65	60	56	52	49	69	63	59	55	61	57	54	58	55	53	56	54	51	50
3	64	57	51	46	42	39	63	56	50	46	54	49	45	52	48	44	50	46	44	42
4	59	50	44	39	35	32	57	49	44	39	48	43	39	46	42	38	44	41	37	36
5	54	45	39	34	30	27	53	44	38	34	43	37	33	41	37	33	40	36	33	31
6	50	40	34	30	26	23	49	40	34	29	39	33	29	37	33	29	36	32	29	27
7	46	37	30	26	22	19	45	36	30	26	35	30	26	34	29	26	33	29	25	24
8	43	34	27	23	19	16	42	33	27	23	32	27	23	31	26	23	30	26	23	21
9	40	31	25	21	17	14	39	30	25	21	30	24	21	29	24	21	28	24	21	19
10	38	28	23	19	15	12	37	28	23	19	27	22	19	27	22	19	26	22	19	17

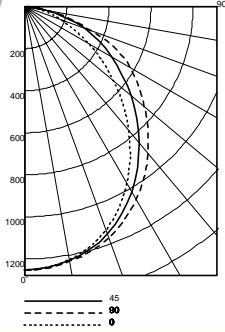
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CANDLEPOWER SUMMARY

2AV G 2 CF40 MDR 120 GEB ASR, (2) 40W TT5 lamps, s/mh (along) = 1.2, s/mh (across) = 1.3, Test No. LTL10030



2 x 2



COEFFICIENT OF UTILIZATION%

Floor	20					
Ceiling	80	70	50	30	10	0
Wall	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
0	61 61 61 61	60 60 60 60	57 57 57	55 55 55	53 53 53	51
1	56 54 52 50	55 53 51 49	50 49 47	48 47 46	47 46 45	44
2	51 47 44 41	50 46 43 40	44 42 39	43 40 38	41 39 38	37
3	47 41 37 34	46 41 37 34	39 36 33	38 35 33	36 34 32	31
4	43 37 32 29	42 36 32 29	35 31 28	34 31 28	33 30 28	27
5	40 33 28 25	38 32 28 25	31 28 25	30 27 24	29 26 24	23
6	37 30 25 22	36 29 25 22	28 25 22	28 24 22	27 24 21	20
7	34 27 23 19	33 27 22 19	26 22 19	25 22 19	24 21 19	18
8	32 25 20 17	31 24 20 17	24 20 17	23 20 17	22 19 17	16
9	30 23 19 16	29 22 18 16	22 18 16	21 18 16	21 18 15	15
10	28 21 17 14	27 21 17 14	20 17 14	20 16 14	19 16 14	13

RCR

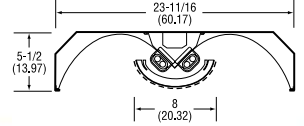
CANDLEPOWER SUMMARY

Angle	0	45	90
0	1253	1253	1253
5	1245	1244	1248
15	1185	1195	1206
25	1057	1089	1120
35	874	935	991
45	662	756	829
55	450	564	662
65	260	389	485
75	128	200	229
85	26	36	41
90	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	956	15.2	29.5
0-40°	1539	24.4	47.5
0-60°	2622	41.6	80.8
0-90°	3243	51.5	100
90-180°	0	0	0
0-180°	3243	51.5	100

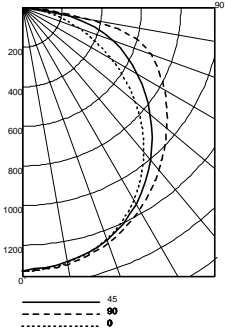
Efficiency = 51.5%



2AV G 2 CF40 MDR SMD 120 GEB, (2) 40W TT5 lamps, s/mh (along) = 1.3, s/mh (across) = 1.3, Test No. LTL9713



2 x 2



COEFFICIENT OF UTILIZATION%

Floor	20					
Ceiling	80	70	50	30	10	0
Wall	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
0	79 79 79 79	77 77 77 77	74 74 74	71 71 71	68 68 68	67
1	72 68 65 62	70 67 64 61	64 62 60	61 59 58	59 57 56	55
2	65 59 54 50	63 58 53 49	55 52 48	53 50 47	51 48 46	45
3	59 51 46 41	57 50 45 41	48 44 40	46 43 39	45 41 39	37
4	54 45 39 34	52 44 39 34	43 38 34	41 37 33	40 36 33	31
5	49 40 34 29	48 40 34 29	38 33 29	37 32 29	36 32 28	27
6	45 36 30 26	44 36 30 25	34 29 25	33 29 25	32 28 25	23
7	42 33 27 23	41 32 26 22	31 26 22	30 26 22	29 25 22	21
8	39 30 24 20	38 29 24 20	28 23 20	28 23 20	27 23 20	18
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10	34 25 20 16	33 25 20 16	24 19 16	24 19 16	23 19 16	15

RCR

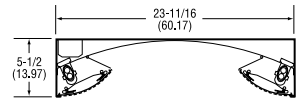
CANDLEPOWER SUMMARY

Angle	0	45	90
0	1332	1332	1332
5	1324	1319	1324
15	1285	1283	1292
25	1191	1203	1228
35	1044	1077	1126
45	854	924	1014
55	629	758	888
65	407	580	759
75	207	378	590
85	41	77	116
90	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	1044	16.6	24.9
0-40°	1720	27.3	41.0
0-60°	3116	49.5	74.3
0-90°	4192	66.5	100
90-180°	0	0	0
0-180°	4192	66.5	100

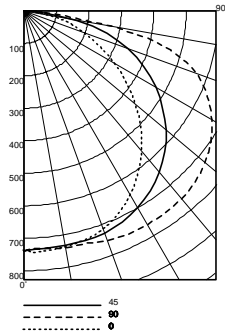
Efficiency = 66.5%



2AV G 2 CF40 MDR SMD 120 GEB ASR, (2) 40W TT5 lamps, s/mh (along) = 1.3, s/mh (across) = 1.6, Test No. LTL9786



2 x 4



COEFFICIENT OF UTILIZATION%

Floor	20					
Ceiling	80	70	50	30	10	0
Wall	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
0	52 52 52 52	51 51 51 51	49 49 49	47 47 47	45 45 45	44
1	72 68 65 62	70 67 64 61	64 62 60	61 59 58	59 57 56	55
2	65 59 54 50	63 58 53 49	55 52 48	53 50 47	51 48 46	45
3	59 51 46 41	57 50 45 41	48 44 40	46 43 39	45 41 39	37
4	54 45 39 34	52 44 39 34	43 38 34	41 37 33	40 36 33	31
5	49 40 34 29	48 40 34 29	38 33 29	37 32 29	36 32 28	27
6	45 36 30 26	44 36 30 25	34 29 25	33 29 25	32 28 25	23
7	42 33 27 23	41 32 26 22	31 26 22	30 26 22	29 25 22	21
8	39 30 24 20	38 29 24 20	28 23 20	28 23 20	27 23 20	18
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RCR

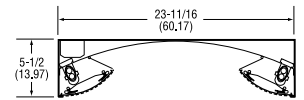
CANDLEPOWER SUMMARY

Angle	0	45	90
0	738	738	738
5	742	735	735
15	729	732	741
25	689	717	758
35	612	678	760
45	510	514	745
55	385	521	703
65	257	408	623
75	145	264	469
85	28	55	82
90	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	1044	16.6	24.9
0-40°	1720	27.3	41.0
0-60°	3116	49.5	74.3
0-90°	4192	66.5	100
90-180°	0	0	0
0-180°	4192	66.5	100

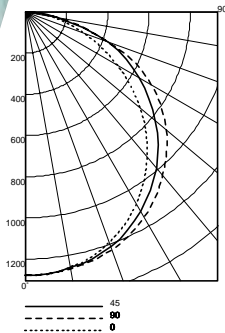
Efficiency = 44.1%



2AV G 2 32 MDR 120 GEB, (2) 32W T8 lamps, s/mh (along) = 1.2, s/mh (across) = 1.3, Test No. LTL10121



2 x 4



COEFFICIENT OF UTILIZATION%

Floor	20					
Ceiling	80	70	50	30	10	0
Wall	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
0	81 81 81 81	79 79 79 79	76 76 76	72 72 72	69 69 69	68
1	74 71 68 65	72 69 66 64	66 64 62	63 62 60	61 60 58	57
2	67 61 57 53	65 60 56 52	58 54 51	55 52 50	53 51 48	47
3	61 54 48 43	59 53 47 43	50 46 42	49 45 41	47 44 41	39
4	56 47 41 37	54 46 41 36	45 40 36	43 39 35	42 38 35	33
5	51 42 36 31	50 41 36 31	40 35 31	39 34 30	37 33 30	29
6	47 38 32 27	46 37 31 27	36 31 27	35 30 27	34 30 26	25
7	44 34 28 24	42 34 28 24	33 27 24	32 27 24	31 27 23	22
8	41 31 25 21	40 31 25 21	30 25 21	29 24 21	28 24 21	20
9	38 29 23 19	37 28 23 19	27 22 19	27 22 19	26 22 19	18
10	36 26 21 17	35 26 21 17	25 21 17	25 20 17	24 20 17	16

RCR

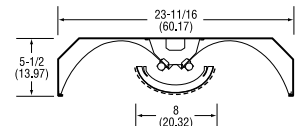
CANDLEPOWER SUMMARY

Angle	0	45	90
0	1280	1280	1280
5	1279	1276	1277
15	1233	1243	1253
25	1141	1170	1194
35	1005	1058	1101
45	828	910	969
55	623	733	806
65	406	539	590
75	211	284	291
85	46	58	64
90	0	0	0

ZONAL LUMEN SUMMARY

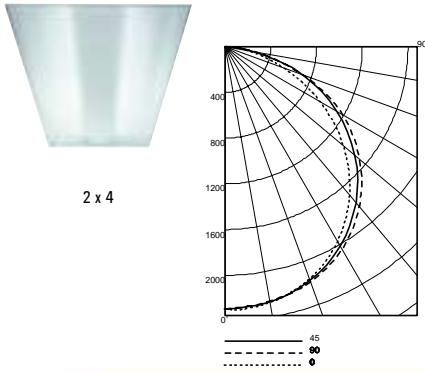
Zone	Lumens	%Lamp	%Fixture
0-30°	1010	17.7	26
0-40°	1669	29.3	43
0-60°	3015	52.9	77.7
0-90°	3881	68.1	100
90-180°	0	0	0
0-180°	3881	68.1	100

Efficiency = 68.1%



PHOTOMETRIC INFORMATION

2AV G 2 54T5HO MDR 120 GEB, (2) 54W T5HO lamps, s/mh (along) = 1.3, s/mh (across) = 1.3, Test No. LTL10196



COEFFICIENT OF UTILIZATION%

Floor	20					
Ceiling	80	70	50	30	10	0
Wall	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
0	93 93 93 93	91 91 91 91	87 87 87	83 83 83	80 80 80	78
1	85 81 78 75	83 80 77 74	76 74 71	73 71 69	70 69 67	66
2	77 71 65 61	75 69 64 60	67 62 59	64 60 57	62 59 56	54
3	70 62 56 50	68 61 55 50	58 53 49	56 52 48	54 50 47	46
4	64 55 48 42	63 54 47 42	52 46 42	50 45 41	48 44 40	39
5	59 49 42 36	57 48 41 36	46 40 36	45 39 35	43 39 35	33
6	55 44 37 32	53 43 36 32	42 36 31	40 35 31	39 34 31	29
7	50 40 33 28	49 39 32 28	38 32 28	37 31 27	36 31 27	26
8	47 36 29 25	46 36 29 25	35 29 25	34 28 24	33 28 24	23
9	44 33 27 22	43 33 26 22	32 26 22	31 26 22	30 25 22	20
10	41 31 24 20	40 30 24 20	29 24 20	29 24 20	28 23 20	18

RCR

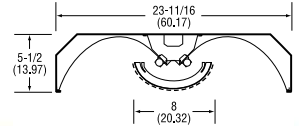
CANDLEPOWER SUMMARY

Angle	0	45	90
0	2295	2295	2295
5	2298	2284	2278
15	2225	2229	2233
25	2077	2105	2125
35	1842	1908	1950
45	1532	1643	1692
55	1162	1304	1369
65	751	932	979
75	365	488	493
85	73	97	102
90	0	0	0

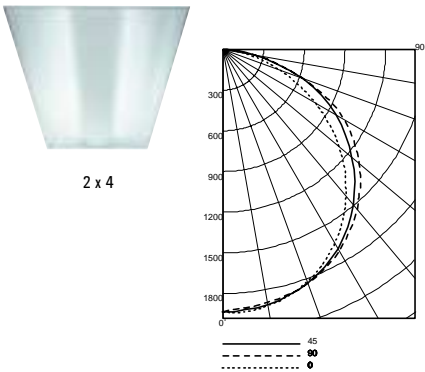
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	1816	20.6	26.3
0-40°	3005	34.1	43.5
0-60°	5410	61.5	78.3
0-90°	6905	78.5	100
90-180°	0	0	0
0-180°	6905	78.5	100

Efficiency = 78.5%



2AV G 3 32 MDR 120 1/3 GEB, (3) 32W T8 lamps, s/mh (along) = 1.3, s/mh (across) = 1.3, Test No. LTL10155



COEFFICIENT OF UTILIZATION%

Floor	20					
Ceiling	80	70	50	30	10	0
Wall	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
0	81 81 81 81	79 79 79 79	76 76 76	73 73 73	70 70 70	68
1	74 71 68 65	72 69 67 64	66 64 62	64 62 60	61 60 58	57
2	67 62 57 53	65 60 56 52	58 54 51	56 52 50	53 51 49	47
3	61 54 48 44	59 53 47 43	51 46 42	49 45 42	47 44 41	39
4	56 48 41 37	54 47 41 37	45 40 36	43 39 36	42 38 35	34
5	51 42 36 32	50 42 36 31	40 35 31	39 34 31	38 34 30	29
6	47 38 32 27	46 37 32 27	36 31 27	35 30 27	34 30 27	25
7	44 34 28 24	43 34 28 24	33 28 24	32 27 24	31 27 24	22
8	41 31 26 21	40 31 25 21	30 25 21	29 25 21	28 24 21	20
9	38 29 23 19	37 28 23 19	28 23 19	27 22 19	26 22 19	18
10	36 27 21 17	35 26 21 17	26 21 17	25 20 17	24 20 17	16

RCR

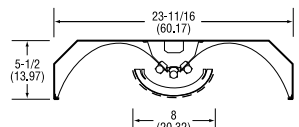
CANDLEPOWER SUMMARY

Angle	0	45	90
0	1934	1934	1934
5	1941	1928	1913
15	1880	1878	1871
25	1747	1772	1781
35	1539	1602	1632
45	1275	1375	1435
55	956	1104	1179
65	611	802	849
75	298	424	431
85	66	88	90
90	0	0	0

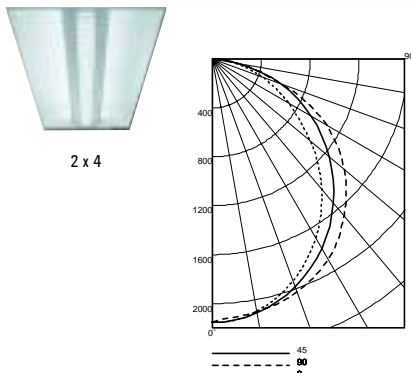
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	1529	17.9	26.2
0-40°	2527	29.6	43.3
0-60°	4552	53.2	78.0
0-90°	5836	68.3	100
90-180°	0	0	0
0-180°	5836	68.3	100

Efficiency = 68.3%



2AV G 3 32 SBL 120 1/3 GEB (3) 32W T8 lamps, s/mh (along) = 1.2, s/mh (across) = 1.3, Test No. LTL10118



COEFFICIENT OF UTILIZATION%

Floor	20					
Ceiling	80	70	50	30	10	0
Wall	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
0	83 83 83 83	81 81 81 81	78 78 78	74 74 74	71 71 71	70
1	76 73 70 67	74 71 68 66	68 66 64	65 64 62	63 61 60	59
2	69 63 59 55	67 62 58 54	60 56 53	57 54 51	55 53 50	49
3	63 56 50 45	61 55 49 45	52 48 44	51 47 43	49 45 43	41
4	58 49 43 38	56 48 43 38	47 42 38	45 41 37	43 40 37	35
5	53 44 38 33	52 43 37 33	42 37 33	40 36 32	39 35 32	30
6	49 40 33 29	48 39 33 29	38 32 28	37 32 28	35 31 28	27
7	45 36 30 25	44 35 30 25	34 29 25	33 29 25	32 28 25	23
8	42 33 27 23	41 32 27 23	31 26 23	31 26 22	30 25 22	21
9	40 30 24 20	39 30 24 20	29 24 20	28 24 20	27 23 20	19
10	37 28 22 19	36 27 22 19	27 22 18	26 22 18	25 21 18	17

RCR

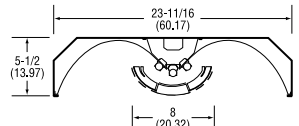
CANDLEPOWER SUMMARY

Angle	0	45	90
0	2153	2153	2153
5	2144	2141	2120
15	2023	2052	2072
25	1820	1892	1965
35	1549	1672	1796
45	1222	1394	1547
55	869	1087	1251
65	574	770	867
75	307	398	404
85	74	89	77
90	0	0	0

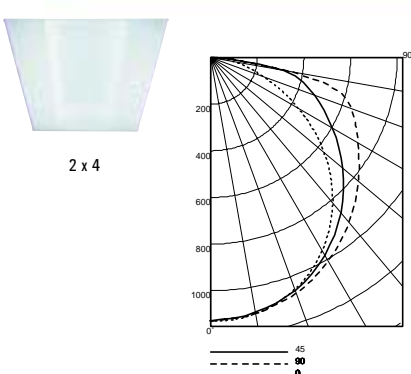
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	1652	19.3	27.6
0-40°	2696	31.5	45.1
0-60°	4731	55.3	79.1
0-90°	5979	69.9	100
90-180°	0	0	0
0-180°	5979	69.9	100

Efficiency = 69.9%



2AV G 2 32 MDR SMD 120 GEB, (2) 32W T8 lamps, s/mh (along) = 1.3, s/mh (across) = 1.3, Test No. LTL9779



COEFFICIENT OF UTILIZATION%

Floor	20					
Ceiling	80	70	50	30	10	0
Wall	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
0	78 78 78 78	76 76 76 76	73 73 73	69 69 69	67 67 67	65
1	70 67 63 61	68 65 62 60	62 60 58	60 58 56	57 56 54	53
2	63 57 52 48	61 56 51 48	54 50 47	51 48 45	49 47 44	43
3	57 50 44 39	56 49 43 39	47 42 38	45 41 38	43 40 37	35
4	52 44 38 33	51 43 37 33	41 36 32	40 35 32	38 34 31	30
5	48 39 33 28	46 38 32 28	37 32 28	35 31 27	34 30 27	26
6	44 35 29 24	43 34 29 24	33 28 24	32 27 24	31 27 24	22
7	41 32 26 21	40 31 25 21	30 25 21	29 24 21	28 24 21	19
8	38 29 23 19	37 28 23 19	27 22 19	27 22 19	26 22 19	17
9	35 26 21 17	34 26 21 17	25 20 17	24 20 17	24 20 17	15
10	33 24 19 15	32 24 19 15	23 19 15	23 18 15	22 18 15	14

RCR

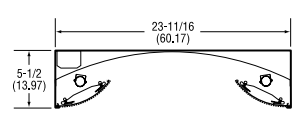
CANDLEPOWER SUMMARY

Angle	0	45	90
0	1129	1129	1129
5	1128	1122	1123
15	1091	1090	1095
25	1014	1025	1045
35	892	928	967
45	730	806	876
55	537	670	777
65	335	537	687
75	170	411	576
85	49	82	97
90	0	0	0

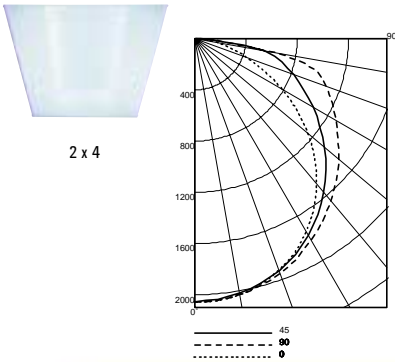
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	890	15.6	23.9
0-40°	1472	25.8	39.5
0-60°	2687	47.1	72.2
0-90°	3723	65.3	100
90-180°	0	0	0
0-180°	3723	65.3	100

Efficiency = 65.3%



2AV G 4 32 MDR SMD 120 GEB, (4) 32W T8 lamps, s/mh (along) = 1.3, s/mh (across) = 1.3, Test No. LTL9776



COEFFICIENT OF UTILIZATION%

Floor	20																	
Ceiling	80	70	50	30	10	0	0	10	30	50	70	80						
Wall	70	50	30	10	70	50	30	10	50	30	10	70	50	30	10	0		
0	69	69	69	69	68	68	68	68	65	65	65	62	62	62	60	60	60	58
1	63	60	57	54	61	58	56	53	56	54	52	53	52	50	51	50	49	47
2	57	51	47	43	55	50	46	43	48	45	42	46	43	41	44	42	40	38
3	51	45	39	35	50	44	39	35	42	38	34	40	37	34	39	36	33	32
4	47	39	34	30	45	38	33	29	37	33	29	36	32	29	34	31	28	27
5	43	35	29	25	42	34	29	25	33	28	25	32	28	25	31	27	24	23
6	40	31	26	22	38	31	26	22	30	25	22	29	25	21	28	24	21	20
7	37	28	23	19	36	28	23	19	27	22	19	26	22	19	25	22	19	18
8	34	26	21	17	33	25	21	17	25	20	17	24	20	17	23	20	17	16
9	32	24	19	15	31	23	19	15	23	18	15	22	18	15	21	18	15	14
10	30	22	17	14	29	22	17	14	21	17	14	20	17	14	20	16	14	13

RCR

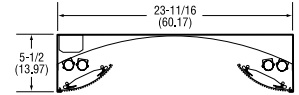
CANDLEPOWER SUMMARY

Angle	0	45	90
0	2057	2057	2057
5	2055	2044	2050
15	1985	1981	1992
25	1848	1859	1891
35	1622	1676	1739
45	1326	1447	1561
55	974	1193	1366
65	601	939	1183
75	300	706	987
85	84	146	176
90	0	0	0

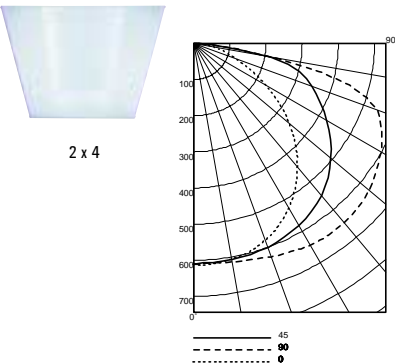
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	1616	14.2	24.3
0-40°	2666	23.4	40.1
0-60°	4840	42.5	72.8
0-90°	6649	58.3	100
90-180°	0	0	0
0-180°	6649	58.3	100

Efficiency = 58.3%



2AV G 2 32 MDR SMD 120 GEB ASR, (2) 32W T8 lamps, s/mh (along) = 1.3, s/mh (across) = 1.6, Test No. LTL9778



COEFFICIENT OF UTILIZATION%

Floor	20																	
Ceiling	80	70	50	30	10	0	0	10	30	50	70	80						
Wall	70	50	30	10	70	50	30	10	50	30	10	70	50	30	10	0		
0	50	50	50	50	49	49	49	47	47	47	45	45	45	43	43	42	42	
1	45	43	41	39	44	42	40	38	40	39	37	38	37	36	37	36	35	34
2	41	37	33	31	39	36	33	30	34	32	29	33	31	29	31	30	28	27
3	37	32	28	25	36	31	27	24	30	27	24	28	26	24	27	25	23	22
4	33	28	24	20	32	27	23	20	26	23	20	25	22	20	24	21	19	18
5	30	24	20	17	29	24	20	17	23	20	17	22	19	17	21	19	17	16
6	28	22	18	15	27	21	18	15	21	17	15	20	17	14	19	16	14	13
7	26	20	16	13	25	19	16	13	19	15	13	18	15	13	17	15	13	12
8	24	18	14	11	23	18	14	11	17	14	11	16	13	11	16	13	11	10
9	22	16	13	10	22	16	13	10	16	12	10	15	12	10	15	12	10	09
10	21	15	12	09	20	15	11	09	14	11	09	14	11	09	14	11	09	08

RCR

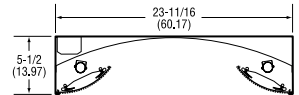
CANDLEPOWER SUMMARY

Angle	0	45	90
0	611	611	611
5	612	608	609
15	597	604	618
25	556	592	636
35	490	568	648
45	399	525	642
55	289	462	617
65	174	386	574
75	88	303	447
85	29	55	67
90	0	0	0

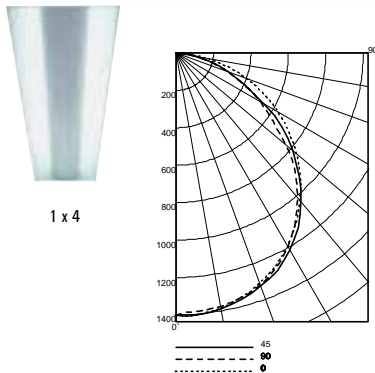
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	506	8.9	20.9
0-40°	862	15.1	35.7
0-60°	1676	29.4	69.4
0-90°	2416	42.4	100
90-180°	0	0	0
0-180°	2416	42.4	100

Efficiency = 42.4%



AV G 2 32 MDR 120 GEB, (2) 32W T8 lamps, s/mh (along) = 1.3, s/mh (across) = 1.3, Test No. LTL6988



COEFFICIENT OF UTILIZATION%

Floor	20																	
Ceiling	80	70	50	30	10	0	0	10	30	50	70	80						
Wall	70	50	30	10	70	50	30	10	50	30	10	70	50	30	10	0		
0	79	79	79	79	77	77	77	77	74	74	74	71	71	71	68	68	66	66
1	72	69	67	64	71	68	65	63	65	63	61	62	61	59	60	59	57	56
2	66	61	56	53	64	59	55	52	57	54	51	55	52	50	53	51	48	47
3	60	53	48	44	59	52	47	43	50	46	43	49	45	42	47	44	41	40
4	55	47	42	37	54	47	41	37	45	40	37	43	39	36	42	38	36	34
5	51	42	37	32	49	42	36	32	40	35	32	39	35	31	38	34	31	30
6	47	38	32	28	46	38	32	28	36	31	28	35	31	28	34	30	27	26
7	44	35	29	25	42	34	29	25	33	28	25	32	28	24	31	27	24	23
8	41	32	26	22	40	31	26	22	30	25	22	29	25	22	29	25	22	20
9	38	29	24	20	37	29	23	20	28	23	20	27	23	20	27	23	20	18
10	36	27	22	18	35	26	21	18	26	21	18	25	21	18	25	21	18	17

RCR

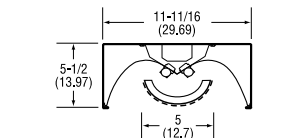
CANDLEPOWER SUMMARY

Angle	0	45	90
0	1402	1402	1402
5	1404	1405	1385
15	1352	1361	1352
25	1257	1281	1267
35	1117	1137	1109
45	940	933	902
55	736	687	629
65	517	408	402
75	289	204	199
85	60	47	42
90	0	0	0

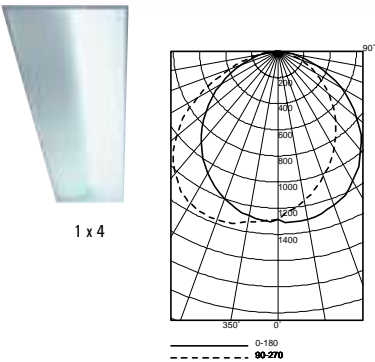
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	1100	19	28.6
0-40°	1801	31.1	46.8
0-60°	3126	53.9	81.3
0-90°	3845	66.3	100
90-180°	0	0	0
0-180°	3845	66.3	100

Efficiency = 66.3%



AV G 2 32 MDR ASY 120 GEB, (2) 32W T8 lamps, s/mh (along) = 1.3, s/mh (across) = 1.0, Test No. LTL10281



CANDELA DISTRIBUTION

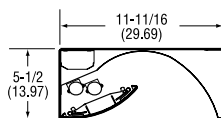
	0	45	90	135	180	Lumens
0	1288	1288	1288	1288	1288	
5	1311	1257	1219	1259	1297	122
15	1285	1169	1092	1156	1240	351
25	1213	1059	946	1013	1144	537
35	1077	899	776	843	1001	648
45	899	713	600	657	823	666
55	675	516	416	466	613	583
65	433	319	254	286	395	412
75	212	157	129	142	195	213
85	40	45	38	43	40	53
90	0	0	0	0	0	

**WALLWASH ILLUMINANCE (FC*)
ILLUMINANCE ON WALL FROM 6 LUMINAIRES**

ft. from ceiling	3 ft. between luminaires			4 ft. between luminaires			5 ft. between luminaires		
	3	3.5	4	3	3.5	4	3	3.5	4
1	72.8	54.0	72.9	65.2	32.0	65.2	62.0	19.7	62.0
2	78.4	74.7	78.7	63.9	52.2	63.9	57.3	36.6	57.3
3	67.0	66.9	67.4	52.3	49.5	52.4	44.4	37.7	44.5
4	53.8	54.2	54.4	41.7	41.2	41.9	34.5	32.5	34.6
5	42.2	42.7	42.9	33.0	32.9	33.3	27.0	26.5	27.1
6	32.9	33.5	33.7	26.1	26.3	26.4	21.4	21.4	21.6
7	25.7	26.3	26.4	20.7	21.0	21.1	17.1	17.2	17.3
8	20.3	20.8	21.0	16.6	16.9	16.9	13.9	14.0	14.1
9	16.2	16.7	16.8	13.5	13.7	13.8	11.3	11.5	11.5

*Initial footcandles

Efficiency = 62.9%



*A*vante wall sconces and ceiling-mounted luminaires work together to achieve a coordinated, unified appearance.



AVSP

- Utilizes two compact fluorescent lamps, twin tube (TT) or quad tube (DTT) types
- Perforated metal over 1/8-inch acrylic diffuser, held in place by prong detail
- Optional backplate (ALB), natural aluminum finish
- Additional perforated metal patterns available
- Magnetic or electronic ballasts



AVSR

- Utilizes CF18, 26DTT, 26TRT and 32TRT lamps
- Semi-recessed 1'x1' sconce with perforated shielding, one-piece reflector and trim housing
- Rugged separate galvanized steel rough-in box
- Trim housing rotatable for either up or down lighting applications

AVSC

- Utilizes one CF18 lamp to provide soft uniform light distribution
- Unique design with perforated metal cylinder on white round reflector



ORDERING INFORMATION

SURFACE MOUNT/SUSPENDED

See Product Availability chart for specific lamp availability.

Series	Lamp Type	Diffuser	Light Distribution	Voltage	Options
AVSM 1' wide symmetric distribution	17 17W T8 (24") 32 32W T8 (48")	MDR Metal Diffuser, Round holes	ULR Up Light, Round hole perforated band	MVOLT 120 277 347 ²	GEB³ Electronic ballast, ≤20% THD
TAVSM 1' wide lamps in tandem	14T5 14W T5 (22") 28T5 28W T5 (46") 24T5H0 24W T5 (22") 54T5H0 54W T5 (46")	MDM Metal Diffuser, Mini slots SBL Straight Blade Louver, round holes	DLS Down Light, Solid	Others available	GEB10IS² Electronic ballast, ≤10% THD instant start GEB10RS² Electronic ballast, ≤10% THD, rapid start GEB10PS² Electronic ballast, ≤10% THD, program start
	CF40 40W TT5 (22") CF50 50W TT5 (22") CF55 55W TT5 (22")				EL₂ Emergency battery pack LP₂ Lamped. Specify lamp type and color CSA CSA certified <small>For additional options, consult factory.</small>
	Number of Lamps 1,2 ¹				

Accessories

Order as separate catalog number.

AVAC30 Avante adjustable cable non-feed, 30" accessory kit.

AVACF30 Avante adjustable cable feed, 30" accessory kit.

Order one AVACF 30 feed for each fixture or row. For 2' or 4' fixtures order one AVAC 30 non-feed. For 8' fixtures order two AVAC 30 non-feeds. It is not intended for AVSM to be field joined beyond three or four units. Please consult National Electrical Codes specifications for through wiring limitations.

SCY4 Stem-mount canopy, 4" accessory kit.
For 2' and 4' fixtures order 2 kits. For 8' fixtures order 3 kits.

NOTES:

- 1 Not available with CF40, CF50 or CF55.
- 2 Consult factory for availability.
- 3 Not available with MVOLT.
- 4 Not available with ULR.

Reflector Options

ASR⁴ Aluminum Stepped Reflector

AVAC30



AVACF30



SCY4



RECESSED DIRECT/INDIRECT

See Product Availability chart for specific lamp availability.

Series	Trim Type	Air Function	Lamp Type	Diffuser	Voltage	Options
AV 1' wide ¹	G Grid trim	(blank) standard	17 17W T8 (24")	MDR Metal Diffuser, Round holes	120	GEB Electronic ballast, <20% THD
2AV 2' wide ¹	ST Screw slot trim	A Air supply/return	32 32W T8 (48")	SBL ⁵ Straight Blade Louver, round holes ¹	277	GEB10IS Electronic ballast, <10% THD, instant start
			14T5 14W T5 (22")	MDM Metal Diffuser, Mini slots	MVOLT 347 <small>Others available</small>	GEB10RS Electronic ballast, <10% THD, rapid start
			28T5 28W T5 (46")			GEB10PS Electronic ballast, <10% THD, program start (T5 lamps only)
			24T5HO 24W T5 (22")			ADEZ ⁷ Two-wire electronic dimming ballast
			54T5HO 54W T5 (46")			EL ⁸ Emergency battery pack
			CF40 40W TT5(22")			LP Lamped. Specify lamp type and color
			CF50 50W TT5(22")			LATC T-bar safety clips (screw on)
			CF55 55W TT5(22")			CSA CSA certified
						<small>For additional options, consult factory.</small>

Number of Lamps

1,2, 3,2,3,4,4

Light Distribution

- (blank) Symmetric distribution
- ASY⁶ Asymmetric distribution
- SMD Side mounted diffuser

Accessories

Order as separate catalog number.

- DGA12 Flanged grid to drywall adapter for 1x2 model, unit installation.
- DGA14 Flanged grid to drywall adapter for 1x4 model, unit installation.
- DGA22 Flanged grid to drywall adapter for 2x2 model, unit installation.
- DGA24 Flanged grid to drywall adapter for 2x4 model, unit installation.

NOTES:

- For CF lamp in tandem add prefix T to AV or 2AV.
- Not available with SMD.
- Three lamp only available on 2AV.
- Available with SMD only.
- Not available with SMD or ASY.
- Not available with 2AV.
- Compatible with 32W T8 and CF40 lamp types.
- Consult factory for availability.

Reflector Options

- ASR Aluminum Stepped Reflector

PRODUCT AVAILABILITY

Series	Distribution	Size	No. of Lamps	Lamp Type	Diffusers
AV	Symmetric	1x2	1	17, CF40, CF50, CF55	MDR, SBL, MDM
			2	14T5, 17, 24T5HO	
AV	Asymmetric	1x2	1	14T5, 17, 24T5HO, CF40, CF50, CF55	MDR, MDM
			2	14T5, 17, 24T5HO	
AV	Symmetric	1x4	1	32	MDR, SBL, MDM
			2	28T5, 32, 54T5HO	
AV	Asymmetric	1x4	1 or 2	28T5, 32, 54T5HO	MDR, MDM
2AV	Symmetric	2x2	2 or 3	14T5, 17, 24T5HO, CF40, CF50, CF55	MDR, SBL, MDM
2AV	Symmetric	2x4	2 or 3	28T5, 32, 54T5HO	MDR, SBL, MDM
2AV SMD	Symmetric	2x2	2	14T5, 17, 24T5HO, CF40, CF50, CF55	MDR, MDM
			4	14T5, 17, 24T5HO	
2AV SMD	Symmetric	2x4	2 or 4	28T5, 32, 54T5HO	MDR, MDM
AVSM	Symmetric	1x2	1	14T5, 17, 24T5HO, CF40, CF50, CF55	MDR, MDM, SBL
			2	14T5, 17, 24T5HO	
AVSM	Symmetric	1x4	1 or 2	32, 28T5, 54T5HO	MDR, MDM, SBL
TAVSM	Symmetric	1x8	1 or 2 in cross section	28T5, 32, 54T5HO,	MDR, MDM, SBL

Lamp Designations	
17	17W T8
32	32W T8
14T5	14W T5
28T5	28W T5
24T5HO	24W T5, high output
54T5HO	54W T5, high output
CF40	40W, twin-tube T5
CF50	50W, twin-tube T5
CF55	55W, twin-tube T5



SCONCE DIFFUSER OPTIONS



MDR:

Metal Diffuser, Round holes



MDM:

Metal Diffuser, Mini slots

SCONCES

See Sconce Product Availability chart for specific lamp availability.

Series	Number of Lamps	Lamp Type	Diffuser	Voltage	Options
AVSP Perforated Shield	1,2	13TT 13DTT	MDR Metal Diffuser, Round holes	120 277	ALB ¹ Anodized aluminum backplate
AVSR 1x1 Recessed Perforated		13DTT23 18DTT CF18	MDM Metal Diffuser, Mini slots	MVOLT 347 Others available	CSA CSA certified LP ² Lamped. Specify lamp type and color
AVSC Cylinder		26DTT 26TRT 32TRT			For additional options, consult factory.

NOTES:

- 1 Available on AVSP only.
- 2 Not available on AVSC.
- 3 Available on AVSC only.

Reflector Options

ASR³ Aluminum Stepped Reflector

PRODUCT AVAILABILITY

Sconces	Description	Size	No. of Lamps	Lamp Type	Diffusers	Lamp Designations	
AVSP	Perforated Shield	11-11/16"H x 10-13/16"W	2	13TT, 13DTT, 26DTT, 13DTT23, 18DTT	MDR & MDM	13TT	13W T4 twin-tube, 2-pin
AVSR	Recessed Perforated	14-1/2"H x 14-1/4"W	1	CF18, 26DTT, 26TRT, 32TRT	MDR & MDM	13DTT23	13W quad-tube, 2-pin
AVSC	Cylinder	13" diameter	1	CF18	MDR & MDM	18DTT	18W quad-tube, 4-pin
						CF18	18W twin-tube T5
						26DTT	26W quad-tube
						26TRT	26W triple-tube
						32TRT	32W triple-tube

Avante



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