

*Avante*

**DIRECT/INDIRECT  
LIGHTING**



*Visual Clarity*

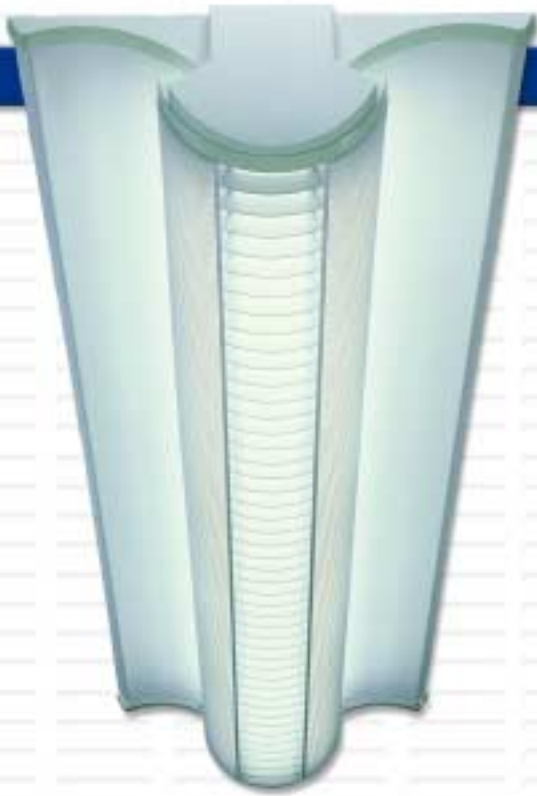
*I*nnovative from the beginning, Avante offers general area, task-specific and decorative accent lighting products that are designed to work together aesthetically. With a complete family of recessed direct/indirect luminaires, Avante is the only recessed direct/indirect lighting system with companion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

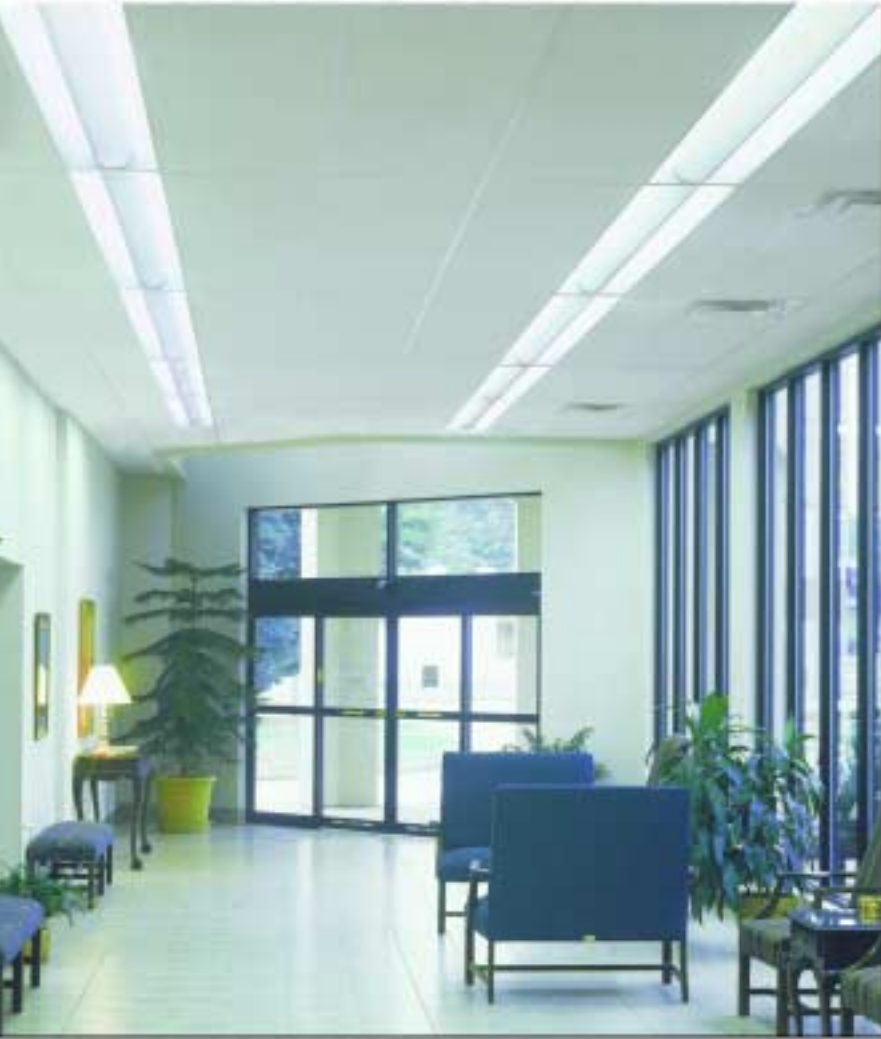


**MDM:**

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:**

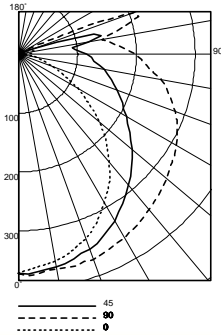
Metal Diffuser, Mini slots

# 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	0	0
0	61	61	59	59	59	59
1	54	51	48	46	43	41
2	48	43	39	35	32	28
3	44	37	33	29	26	22
4	40	33	28	24	21	18
5	36	29	24	20	17	16
6	34	26	21	18	15	13
7	31	24	19	15	12	10
8	29	21	17	14	11	9
9	27	20	15	12	9	8
10	25	18	14	11	8	7

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

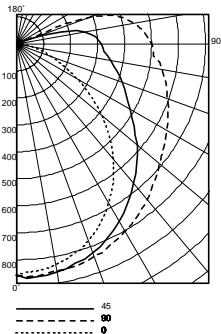
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixture
0-30°	294	9.3	17.6
0-40°	488	15.5	29.3
0-60°	906	28.8	54.4
0-90°	1403	44.5	84.3
90-180°	261	8.3	15.7
0-180°	1664	52.8	100

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	0	0
0	75	75	73	73	73	67
1	66	62	59	55	54	51
2	60	53	48	44	42	40
3	54	46	40	35	33	29
4	49	41	34	30	27	23
5	45	36	30	25	23	20
6	41	32	26	22	20	17
7	38	29	23	19	17	15
8	36	27	21	17	15	13
9	33	24	19	15	13	12
10	31	22	17	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

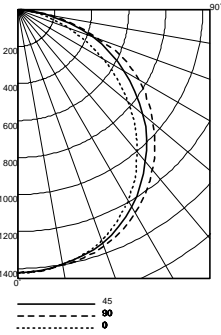
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixture
0-30°	678.0	11.9	18.3
0-40°	1121.1	19.7	30.2
0-60°	2059.5	36.1	55.5
0-90°	3195.6	56.1	86.1
90-180°	515.8	9	13.9
0-180°	3711.4	65.1	100

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	0	0
0	79	79	79	77	77	74
1	72	69	66	63	62	64
2	65	60	55	52	51	56
3	60	52	47	43	42	49
4	54	46	41	36	35	44
5	50	41	35	31	30	39
6	46	37	31	27	26	35
7	43	34	28	24	23	32
8	40	31	25	21	20	29
9	37	28	23	19	18	26
10	35	26	21	17	16	24

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

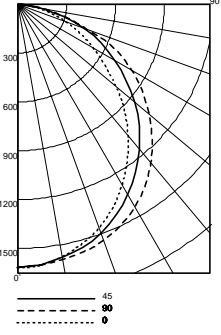
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixture
0-30°	1120	17.8	26.8
0-40°	1843	29.3	44.2
0-60°	3283	52.1	78.7
0-90°	4171	66.2	100
90-180°	0	0	0
0-180°	4171	66.2	100

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	0	0
0	85	85	83	83	83	79
1	77	74	71	68	67	69
2	70	65	60	56	55	61
3	64	57	51	46	45	54
4	59	50	44	39	38	48
5	54	45	39	34	33	43
6	50	40	34	30	29	39
7	46	37	30	26	25	34
8	43	34	27	23	22	31
9	40	31	25	21	20	29
10	38	28	23	19	18	27

RCR

CANDLEPOWER SUMMARY			
Angle	0	45	90
0	1616	1616	1616
5	1610	1606	1608
15	1524	1545	1572
25	1380	1429	1498
35	1174	1260	1364
45	929	1055	1167
55	655	811	934
65	423	562	666
75	214	291	305
85	49	64	60
90	0	0	0

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixture
0-30°	1249	19.8	27.9
0-40°	2039	32.4	45.5
0-60°	3568	56.6	79.6
0-90°	4483	71.2	100
90-180°	0	0	0
0-180°	4483	71.2	100

Efficiency = 71.2%







*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
<b>AVSM</b> 1' wide symmetric distribution	17 17W T8 (24") 32 32W T8 (48")	<b>MDR</b> Metal Diffuser, Round holes	<b>ULR</b> Up Light, Round hole perforated band	<b>MVOLT</b> 120 277 347 <sup>2</sup>	<b>GEB<sup>3</sup></b> Electronic ballast, ≤20% THD
<b>TAVSM</b> 1' wide lamps in tandem	14T5 14W T5 (22") 28T5 28W T5 (46") 24T5H0 24W T5 (22") 54T5H0 54W T5 (46")	<b>MDM</b> Metal Diffuser, Mini slots <b>SBL</b> Straight Blade Louver, round holes	<b>DLS</b> Down Light, Solid	Others available	<b>GEB10IS<sup>2</sup></b> Electronic ballast, ≤10% THD instant start <b>GEB10RS<sup>2</sup></b> Electronic ballast, ≤10% THD, rapid start <b>GEB10PS<sup>2</sup></b> Electronic ballast, ≤10% THD, program start
	<b>CF40</b> 40W TT5 (22") <b>CF50</b> 50W TT5 (22") <b>CF55</b> 55W TT5 (22")				<b>EL<sub>2</sub></b> Emergency battery pack <b>LP<sub>2</sub></b> Lamped. Specify lamp type and color <b>CSA</b> CSA certified <small>For additional options, consult factory.</small>
	<b>Number of Lamps</b> 1,2 <sup>1</sup>				

### 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

**ASR<sup>4</sup>** 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 <sup>1</sup> 2AV 2' wide <sup>1</sup>	G Grid trim ST Screw slot trim	(blank) standard A Air supply/return	17 17W T8 (24") 32 32W T8 (48") 14T5 14W T5 (22") 28T5 28W T5 (46") 24T5HO 24W T5 (22") 54T5HO 54W T5 (46") CF40 40W TT5(22") CF50 50W TT5(22") CF55 55W TT5(22")	MDR Metal Diffuser, Round holes SBL <sup>5</sup> Straight Blade Louver, round holes <sup>1</sup> MDM Metal Diffuser, Mini slots	120 277 MVOLT 347 <small>Others available</small>	GEB Electronic ballast, <20% THD GEB10IS Electronic ballast, <10% THD, instant start GEB10RS Electronic ballast, <10% THD, rapid start GEB10PS Electronic ballast, <10% THD, program start (T5 lamps only) ADEZ <sup>7</sup> Two-wire electronic dimming ballast EL <sup>8</sup> Emergency battery pack LP <sub> </sub> Lamped. Specify lamp type and color LATC T-bar safety clips (screw on) CSA CSA certified
<b>Number of Lamps</b> 1,2, 3,2,3,4,4		<b>Light Distribution</b> (blank) Symmetric distribution ASY <sup>6</sup> 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:

- 1 For CF lamp in tandem add prefix T to AV or 2AV.
- 2 Not available with SMD.
- 3 Three lamp only available on 2AV.
- 4 Available with SMD only.
- 5 Not available with SMD or ASY.
- 6 Not available with 2AV.
- 7 Compatible with 32W T8 and CF40 lamp types.
- 8 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 <sup>1</sup> Anodized aluminum backplate
AVSR 1x1 Recessed Perforated		13DTT23 18DTT CF18	MDM Metal Diffuser, Mini slots	MVOLT 347 Others available	CSA CSA certified LP <sub>2</sub> 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

ASR<sup>3</sup> Aluminum Stepped Reflector

## PRODUCT AVAILABILITY

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

Lamp Designations	
13TT	13W T4 twin-tube, 2-pin
13DTT	13W quad-tube, 4-pin
13DTT23	13W quad-tube, 2-pin
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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**Lithonia Lighting**  
**Acuity Lighting Group, Inc.**  
**Fluorescent**  
One Lithonia Way, Conyers, GA 30012  
Phone: 800-858-7763, Fax: 770-929-8789  
in Canada: 1100 50th Ave., Lachine, Quebec H8T 2V3  
[www.lithonia.com](http://www.lithonia.com)