

FEATURES

OPTICAL SYSTEM

- Self-flanged, semi-specular or matte-diffuse reflector. Patented Vertisys® - Bounding Ray™ Optical Principle design (US Patent #5,800,050) provides lamp before lamp image. Lamp image that reflects smoothly from the top of the reflector to the aperture, providing optimal fixture performance and efficiency.

MECHANICAL SYSTEM

- 16-gauge galvanized steel mounting/plaster frame with friction support clips to retain optical system. Maximum 7/8" ceiling thickness.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment are shipped pre-installed. Post installation adjustment possible without the use of tools from above or below ceiling.
- Galvanized steel junction box with bottom-hinged access covers and spring latch. Two combination 1/2"-3/4" and three 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors, rated for 90°C.

ELECTRICAL SYSTEM

- Rugged aluminum lampholder housing.
- Vertically-mounted, positive-latch, thermoplastic socket.
- Class P, thermally protected, high power factor electronic ballast mounted to the junction box.
- Simply5™ technology available. **SIMPLY5™** LIGHTING INTELLIGENCE

LISTING

- Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Type

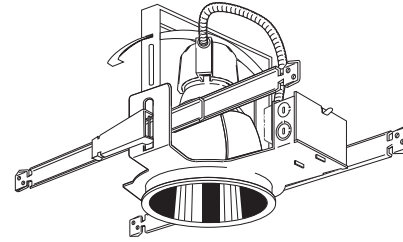
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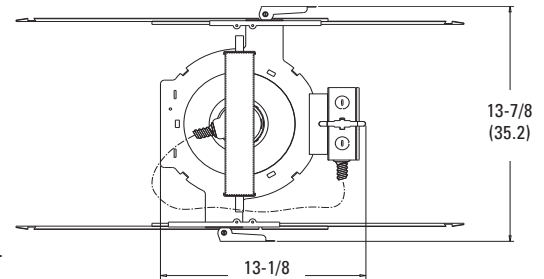
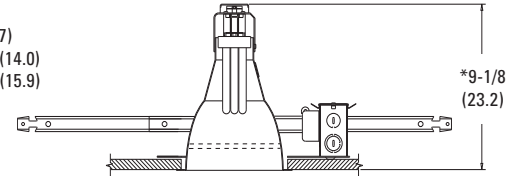
Compact Fluorescent Downlights

5" AFV

Open Reflector
Vertical Tri-Tube Lamp



Aperture: 5 (12.7)
Ceiling opening: 5-1/2 (14.0)
Overlaptrim: 6-1/4 (15.9)



*Maximum height depends on lamp wattage/type, dimensions range from 9-1/2" to 11-1/4".

All dimensions are inches (centimeters).

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

Example: **AFV26TRT5ARMVOLTWLP**

AFV

Series	Wattage/ Lamp	Aperture/ Trim color	Finish	Voltage	Ballast ³	Options
AFV	18TRT	5AR Clear	(blank) Semi-specular	MVOLT² 120	(blank) Electronic ballast	ELR⁶ Emergency battery pack with remote test switch
	26TRT	5PR Pewter	LD Matte-diffuse	277	ECOS EcoSystem electronic dimming ballast. Minimum dimming level 5%.	ELRHL⁶ High lumen output emergency battery pack with remote test switch
	32TRT	5UBR Umber		347	ADEZ⁴ Advance Mark 10 [®] electronic ballast. Minimum dimming level 5%	GMF⁷ Single, slow-blow fuse
		5WTR Wheat			S5⁵ SIMPLY5™ system ballast	GLR⁷ Single, fast-blow fuse
		5WR¹ White painted				TRW White painted flange (standard on MB and WB)
		5MB¹ Black baffle				TRBL Black painted flange
		5WB¹ White baffle				GSKT Foam gasketing

NOTES

- 1 Not available with finishes.
- 2 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.
- 3 For additional ballast types, refer to Technical Bulletins tab.
- 4 Available in 18W, 26W, 32W or 42W; 120V or 277V only.
- 5 SIMPLY5 includes 9' S5 MLC Reloc wiring system (shipped separately). Available in 26W or 32W; 120V or 277V only. See simply5.net for more information.
- 6 For dimensional changes, refer to Technical Bulletins tab.
- 7 Not available with MVOLT.
- 8 For compatible Reloc systems, refer to Technical Bulletins tab.
- 9 Not available with ELR or ELRHL options.
- 10 Meets codes that require in-fixture disconnect.
- 11 One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.

Accessories

Order as separate catalog numbers.

SCA5 Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA510D

CTA5 Ceiling thickness adapter. (Extends mounting frame to accommodate ceiling thickness up to 2".)

- LRC⁸** Provides compatibility with Lithonia Reloc[®] wiring system; access above ceiling required
- CP⁹** Chicago plenum
- BDP¹⁰** Ballast disconnect plug
- HW** Hardwire for S5 system; replaces Reloc
- NSD¹¹** Sensorswitch nLight™ dimming relay

5" AFV Open Reflector

Distribution curve	Distribution data	Output data	Coefficient of utilization	Illuminance Data at 30' Above Floor for a Single Luminaire						
AFV 26TRT 5AR, (1) PL-T 26W/30/4P lamp, 1800 rated lumens, 1.2 s/mh, test no. 2196030802										
	From 0°	cp. Lumens	Zone Lumens %lamp	pf pc pw	80% 50% 30%	20% 50% 30%	50% 50% 30%	50% beam angle 61.6°	10% beam angle 86.4°	
	0°	595	0°-30° 493 27.4	1	51	50	50	49	48	48
	5°	635	0°-40° 736 40.9	2	48	46	47	46	46	45
	15°	636	0°-60° 824 45.8	3	45	43	44	43	43	42
	25°	551	0°-90° 825 45.8	4	42	40	42	40	41	39
	35°	398	90°-180° 0 0.0	5	40	37	39	37	39	37
	45°	81	0°-180° 825 45.8*	6	37	35	37	35	36	34
	55°	3	*Efficiency	7	35	32	35	32	34	32
	65°	1		8	33	30	32	30	32	30
	75°	0		9	31	28	30	28	30	28
	90°	0		10	29	26	28	26	28	26
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	
8'	19.7	6.6'	9.8	10.3'	2.0					
10'	10.6	8.9'	5.3	14.1'	1.1					
12'	6.6	11.3'	3.3	17.8'	0.7					
14'	4.5	13.7'	2.3	21.6'	0.5					
16'	3.3	16.1'	1.6	25.3'	0.3					

Distribution curve	Distribution data	Output data	Coefficient of utilization	Illuminance Data at 30' Above Floor for a Single Luminaire						
AFV 32TRT 5AR, (1) PL-T 32W/30/4P lamp, 2400 rated lumens, 1.2 s/mh, test no. 2195082303										
	From 0°	cp. Lumens	Zone Lumens %lamp	pf pc pw	80% 50% 30%	20% 50% 30%	50% 50% 30%	50% beam angle 61.7°	10% beam angle 87.4°	
	0°	745	0°-30° 624 26.0	1	48	47	47	46	46	45
	5°	815	0°-40° 932 38.8	2	45	43	44	42	43	41
	15°	813	0°-60° 1048 43.7	3	41	39	41	39	40	38
	25°	696	0°-90° 1054 43.9	4	38	36	38	35	37	35
	35°	504	90°-180° 0 0.0	5	36	33	35	33	34	32
	45°	139	0°-180° 1054 43.9*	6	33	30	33	30	32	30
	55°	3	*Efficiency	7	31	28	31	28	30	28
	65°	3		8	29	26	29	26	28	26
	75°	4		9	27	24	27	24	26	24
	90°	0		10	25	23	25	22	25	22
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	
8'	24.6	6.6'	12.3	10.5'	2.5					
10'	13.2	8.9'	6.6	14.4'	1.3					
12'	8.3	11.4'	4.1	18.2'	0.8					
14'	5.6	13.8'	2.8	22.0'	0.6					
16'	4.1	16.0'	2.0	25.8'	0.4					

Distribution curve	Distribution data	Output data	Coefficient of utilization	Illuminance Data at 30' Above Floor for a Single Luminaire						
AFV 26TRT 5MB, (1) PL-T 26W/30/4P lamp, 1800 rated lumens, 1.1 s/mh, test no. 2196101602										
	From 0°	cp. Lumens	Zone Lumens %lamp	pf pc pw	80% 50% 30%	20% 50% 30%	50% 50% 30%	50% beam angle 58.0°	10% beam angle 84.6°	
	0°	493	0°-30° 376 20.9	1	38	37	37	36	36	35
	5°	516	0°-40° 543 30.2	2	35	34	35	34	34	33
	15°	494	0°-60° 604 33.6	3	33	32	33	31	32	31
	25°	413	0°-90° 604 33.6	4	31	30	31	30	30	29
	35°	270	90°-180° 0 0.0	5	29	28	29	27	29	27
	45°	70	0°-180° 604 33.6*	6	28	26	28	26	27	26
	55°	0	*Efficiency	7	26	24	26	24	25	24
	65°	0		8	24	23	24	22	24	22
	75°	0		9	23	21	23	21	22	21
	90°	0		10	21	20	21	20	21	19
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	
8'	16.3	6.1'	8.2	10.0'	1.6					
10'	8.8	8.3'	4.4	13.7'	0.9					
12'	5.5	10.5'	2.7	17.3'	0.5					
14'	3.7	12.7'	1.9	20.9'	0.4					
16'	2.7	15.0'	1.4	24.6'	0.3					

Distribution curve	Distribution data	Output data	Coefficient of utilization	Illuminance Data at 30' Above Floor for a Single Luminaire						
AFV 32TRT 5MB, (1) PL-T 32W/30/4P lamp, 2400 rated lumens, 1.1 s/mh, test no. 2196101701										
	From 0°	cp. Lumens	Zone Lumens %lamp	pf pc pw	80% 50% 30%	20% 50% 30%	50% 50% 30%	50% beam angle 57.3°	10% beam angle 84.7°	
	0°	605	0°-30° 464 19.4	1	35	34	34	33	33	32
	5°	645	0°-40° 665 27.7	2	33	32	32	31	31	30
	15°	616	0°-60° 742 31.0	3	31	29	30	29	29	28
	25°	503	0°-90° 742 31.0	4	29	27	29	27	28	27
	35°	325	90°-180° 0 0.0	5	27	25	27	25	26	25
	45°	91	0°-180° 742 31.0*	6	26	24	25	24	25	24
	55°	1	*Efficiency	7	24	22	24	22	23	22
	65°	0		8	23	21	22	21	22	21
	75°	0		9	21	19	21	19	21	19
	90°	0		10	20	18	20	18	19	18
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	
8'	20.0	6.0'	10.0	10.0'	2.0					
10'	10.8	8.2'	5.4	13.7'	1.1					
12'	6.7	10.4'	3.4	17.3'	0.7					
14'	4.6	12.6'	2.3	21.0'	0.5					
16'	3.3	14.7'	1.7	24.6'	0.3					

ENERGY

LER.DOH	Annual Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
30	\$7.99	(1) 26TRT	1800	.98	27

Calculated in accordance with NEMA standard LE-5.

NOTES:

- For electrical characteristics consult Technical Bulletins tab.
- Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.

DCF-340

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