

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.
- Wallwash – Highly reflective outer kicker reflector provides smooth, uniform illumination floor to ceiling, edge to edge. Inner cone is contoured to eliminate room side flash. For optimal uniformity, the recommended luminaire spacing is 0.9m (3') from the wall and 0.9m (3') centers.

MECHANICAL SYSTEM

- Pre-wired galvanized steel junction box mounted to reflector is provided with removable access cover. No. 12 AWG conductors, rated for 90°C.
- Three (3) swinggate brackets allow for installation from below the ceiling. Suitable for ceiling thickness ranging from 1.59cm (5/8") to 2.54cm (1").

ELECTRICAL SYSTEM

- Rugged aluminum lampholder housing.
- Vertically-mounted, positive-latch, thermoplastic socket.
- Thermally protected, high power factor electronic ballast (50/60Hz) mounted to the junction box.
- Eurostyle terminal block included for power supply and ground connections required for CE.

LISTING

- MVOLT, 120V and 277V fixtures are UL Listed, Non-IC recessed mounting and damp locations. 220V and 240V fixtures are CE certified and rated IP20.

Type

Catalog number

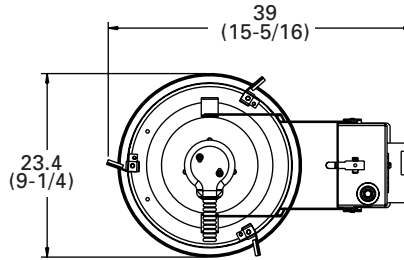


International Compact Fluorescent Downlights/Wallwash AFVI/AFVWI

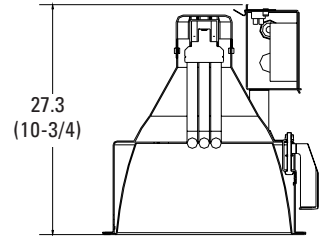
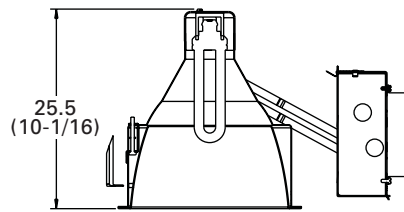
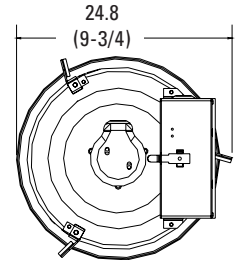
20.3cm (8")

Open/Wallwash
Vertical DTT or TRT Lamp

UL Listed



CE Certified



All dimensions are centimeters (inches)

Aperture: 20 (7-7/8)
Ceiling opening: 21.9 (8-5/8)
Overlap trim: 23.5 (9-1/4)

ORDERING INFORMATION

Example: **AFVI 32TRT 8AR 220**

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).

Series	Wattage/Lamp	Aperture/Trim color	Finish	Voltage	Ballast	Options
AFVI	13DTT	8AR Clear	(blank) Semi-specular	MVOLT^{3,5}	(blank) Electronic ballast	TRW White painted flange
AFVWI	18DTT	8PR Pewter	LD Matte-diffuse	120⁵	ADEZ⁶ Advance Mark 10™ electronic dimming ballast. Minimum dimming level 5%	TRBL Black painted flange
	26DTT	8WTR Wheat		220⁴	ADZT⁶ Advance Mark 7™ electronic 0-10V DC dimming ballast. Minimum dimming level 3%	WLP With 3500°K lamp (shipped separately)
	13TRT	8WR^{1,2} White painted		240⁴	ECOS Lutron EcoSystem™ electronic dimming ballast. Minimum dimming level 5%	GMF Single, slow-blow fuse
	18TRT			277⁵	VDB⁷ Vossloh 0-10V dimming ballast	GLR Single, fast-blow fuse
	26TRT					GSKT Foam gasketing, ships uninstalled
	32TRT					
	42TRT					

NOTES

- 1 Not available with finishes.
- 2 AFI only.
- 3 Multi-volt electronic ballast capable of operating on any line voltage from 120 through 277V, 50 or 60Hz.
- 4 Available with CE listing only. 220-240V, 50/ 60 Hz.
- 5 Available with UL listing only. 120-277V, 50/60Hz.
- 6 Available with 120V or 277V only.
- 7 Available with 220V or 240V only.

20.3cm (8") AFVI/AFVWI Open Vertical DTT or TRT Lamp

Distribution curve	Distribution data	Output data	Coefficient of utilization	Illuminance Data at 30" Above Floor for a Single Luminaire										
AFVI 26TRT 8AR, (1) PL-T 26W/30/4P lamp, 1800 rated lumens, 1.3 s/mh, Test no. 2194021601														
	From 0°	cp. Lumens	Zone Lumens %lamp	pf pc pw	80% 50% 30%	20% 70% 50% 30%	50% 50% 30%	Mount height	Initial fc at beam center	50% beam angle 64.0°		10% beam angle 93.8°		
	0°	830	0°-30° 682 37.9	1	83 81	82 80	78 77			Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	
	5°	870	0°-40° 1071 59.5	2	78 75	76 74	74 72	8'	27.5	6.9'	13.7	11.8'	2.7	
	15°	876	0°-60° 1349 75.0	3	72 68	71 68	69 66	10'	14.8	9.4'	7.4	16.0'	1.5	
	25°	762	0°-90° 1349 75.0	4	67 63	66 63	65 62	12'	9.2	11.9'	4.6	20.3'	0.9	
	35°	630	90°-180° 0 0.0	5	63 58	62 58	60 57	14'	6.3	14.4'	3.1	24.6'	0.6	
	45°	354	0°-180° 1349 75.0*	6	58 54	58 53	56 53	16'	4.6	16.9'	2.3	28.9'	0.5	
	55°	5	*Efficiency	7	54 49	53 49	52 48							
	65°	0		8	50 45	49 45	48 44							
	75°	0		9	46 41	45 43	45 40							
	90°	0		10	42 37	42 37	41 37							

Distribution curve	Distribution data	Output data	Coefficient of utilization	Illuminance Data at 30" Above Floor for a Single Luminaire										
AFVI 32TRT 8AR, (1) PL-T 32W/30/4P lamp, 2400 rated lumens, 1.1 s/mh, Test no. 2194021402														
	From 0°	cp. Lumens	Zone Lumens %lamp	pf pc pw	80% 50% 30%	20% 70% 50% 30%	50% 50% 30%	Mount height	Initial fc at beam center	50% beam angle 55.3°		10% beam angle 87.6°		
	0°	1344	0°-30° 998 41.6	1	78 77	77 75	74 73			Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	
	5°	1440	0°-40° 1457 60.7	2	73 71	72 70	70 68	8'	44.5	5.8'	22.2	10.5'	4.4	
	15°	1360	0°-60° 1682 70.1	3	69 66	68 65	66 64	10'	23.9	7.9'	12.0	14.4'	2.4	
	25°	1036	0°-90° 1683 70.1	4	65 61	64 61	63 60	12'	14.9	9.9'	7.4	18.2'	1.5	
	35°	737	90°-180° 0 0.0	5	61 57	60 56	59 56	14'	10.2	12.0'	5.1	22.1'	1.0	
	45°	280	0°-180° 1683 70.1*	6	57 53	57 53	55 52	16'	7.4	14.1'	3.7	25.9'	0.7	
	55°	4	*Efficiency	7	53 49	53 49	52 49							
	65°	1		8	50 46	49 46	49 45							
	75°	0		9	47 43	46 42	46 42							
	90°	0		10	43 39	43 39	43 39							

Distribution curve	Distribution data	Output data	Coefficient of utilization	Illuminance Data at 30" Above Floor for a Single Luminaire										
AFVI 42TRT 8AR, (1) PL-T 42W/30/4P lamp, 3200 rated lumens, 1.0 s/mh, Test no. 2195121902														
	From 0°	cp. Lumens	Zone Lumens %lamp	pf pc pw	80% 50% 30%	20% 70% 50% 30%	50% 50% 30%	Mount height	Initial fc at beam center	50% beam angle 53.7°		10% beam angle 85.6°		
	0°	1568	0°-30° 1097 34.3	1	63 61	61 60	59 58			Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	
	5°	1705	0°-40° 1602 50.1	2	58 55	57 55	55 53	8'	51.8	5.6'	25.9	10.2'	5.2	
	15°	1467	0°-60° 1808 56.5	3	54 51	53 50	51 49	10'	27.9	7.6'	13.9	13.9'	2.8	
	25°	1145	0°-90° 1817 56.8	4	50 46	49 46	48 45	12'	17.4	9.6'	8.7	17.6'	1.7	
	35°	821	90°-180° 0 0.0	5	46 43	46 42	45 42	14'	11.9	11.7'	5.9	21.3'	1.2	
	45°	244	0°-180° 1817 56.8*	6	43 40	43 39	42 39	16'	8.6	13.7'	4.3	25.0'	0.9	
	55°	10	*Efficiency	7	40 37	40 36	39 36							
	65°	4		8	38 34	37 34	37 34							
	75°	2		9	35 32	35 32	34 31							
	90°	0		10	33 30	33 30	32 29							

Distribution curve	Distribution data	Output data	Coefficient of utilization	Illuminance Data at 30" Above Floor for a Single Luminaire										
AFVI 32TRT 8MB, (1) PL-T 32W/30/4P lamp, 2400 rated lumens, 1.0 s/mh, Test no. 2196071102														
	From 0°	cp. Lumens	Zone Lumens %lamp	pf pc pw	80% 50% 30%	20% 70% 50% 30%	50% 50% 30%	Mount height	Initial fc at beam center	50% beam angle 50.8°		10% beam angle 84.2°		
	0°	1182	0°-30° 819 34.1	1	60 59	59 58	57 56			Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	
	5°	1279	0°-40° 1147 47.8	2	57 55	56 54	54 53	8'	39.1	5.2'	19.5	9.9'	3.9	
	15°	1157	0°-60° 1291 53.8	3	53 51	53 50	51 49	10'	21.0	7.1'	10.5	13.6'	2.1	
	25°	812	0°-90° 1291 53.8	4	50 48	50 47	49 47	12'	13.1	9.0'	6.6	17.2'	1.3	
	35°	525	90°-180° 0 0.0	5	47 44	47 44	46 44	14'	8.9	10.9'	4.5	20.8'	0.9	
	45°	176	0°-180° 1291 53.8*	6	45 42	44 42	44 41	16'	6.5	12.8'	3.2	24.4'	0.6	
	55°	2	*Efficiency	7	42 39	42 39	41 38							
	65°	0		8	39 37	39 36	39 36							
	75°	0		9	37 34	37 34	36 34							
	90°	0		10	35 32	35 32	34 31							

NOTES:
 1. For electrical characteristics consult Technical Bulletins tab.
 2. 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.

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