

Gotham Architectural Downlighting
Compact Fluorescent Downlights

8" AFV
Open Reflector

Vertical Lamp
Double Twin-Tube or Triple-Tube



FEATURES

OPTICAL SYSTEM

- Self-flanged, semi-specular or matte-diffuse reflector. Patented Vertisys® - Bounding Ray™ Optical Principle design (US Patent No. 5,800,050).

MECHANICAL SYSTEM

- 16-gauge galvanized steel construction; maximum 7/8" ceiling thickness.
- Telescopic mounting bars maximum of 32" and minimum of 15", preinstalled, 4" vertical adjustment.
- Toolless post-installation adjustments.
- Junction box capacity: 8 (4 in, 4 out) 12AWG 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.

LISTING

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

WARRANTY

- 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

ORDERING INFORMATION

EXAMPLE: AFV 32TRT 8AR MVOLT WLP

Series	Wattage/Lamp	Aperture/Trim color	Finish	Lens type	Voltage	Ballast ³
AFV	13DTT	8AR Clear	(blank) Semi-specular	(blank) No lens	MVOLT ²	(blank) Electronic ballast
	18DTT	8PR Pewter	LD Matte-diffuse	CGL Clear glass lens	120	ECOS ^{2,4} Lutron® EcoSystem® electronic dimming ballast. Minimum dimming level 5%
	26DTT	8WTR Wheat		CAL Clear acrylic lens	277	ADEZ ^{4,5} Advance Mark 10® electronic dimming ballast. Minimum dimming level 5%
	13TRT	8WR ¹ White painted		PCL Clear polycarbonate lens	347	
	18TRT	8MB ¹ Black baffle		A12 Prismatic acrylic lens	ADZT ² Advance Mark 7® electronic dimming ballast. Minimum dimming level 5%	
	26TRT	8WB ¹ White baffle		PPC Prismatic polycarbonate lens		
	32TRT			FOL Flat opal lens		
	42TRT					

Options

EL ^{5,6}	Emergency battery pack with integral test switch	GMF ⁷	Single, slow-blow fuse	CP ⁹	Chicago plenum
ELR ^{5,6}	Emergency battery pack with remote test switch	TRW	White painted flange (standard on MB and WB)	BDP ^{9,10}	Ballast disconnect plug
ELHL ^{5,6}	High-lumen-output emergency battery pack with integral test switch	TRBL	Black painted flange	NPP16D EFP	nLight network power/relay pack with 0-10V dimming.
ELRHL ^{5,6}	High-lumen-output emergency battery pack with remote test switch	GSKT	Foam gasketing	NPP16D ER EFP	nLight network power/relay pack with 0-10V dimming. ER controls fixtures on emergency circuit.
GLR ⁷	Single, fast-blow fuse	WLP	With 3500 K lamp (shipped separately)	WL	Wet location; lens required
		RRL ⁸	RELOC®-ready luminaire. Provides compatibility with Lithonia RELOC system. Access above ceiling required.	WRL ¹¹	Wattage restriction label
				TWS	Twist lock socket

ACCESSORIES order as separate catalog numbers (shipped separately)

SCA8	Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA8 10D.
CTA4-8 YK	Ceiling thickness adapter. (Extends mounting frame to accommodate ceiling thickness up to 4-1/4" DTT and 3-1/4 TRT)

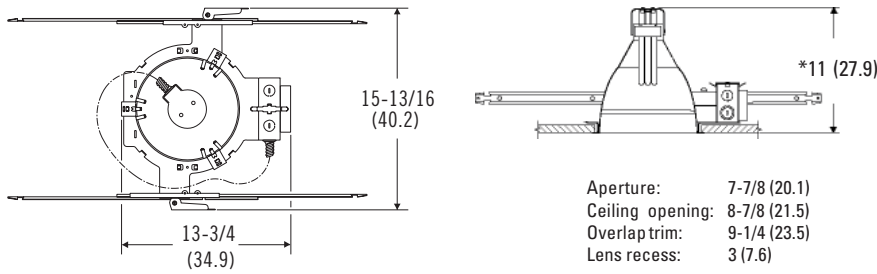
**8" AFV
Open Reflector**

Vertical Lamp, Double Twin-Tube or Triple-Tube



DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



Aperture: 7-7/8 (20.1)
 Ceiling opening: 8-7/8 (21.5)
 Overlap trim: 9-1/4 (23.5)
 Lens recess: 3 (7.6)

DIMENSIONAL NOTES

- Maximum height depends on lamp wattage/type, dimensions range from 11" for 18DTT, 26DTT and 42TRT; 10-1/8" for 13DDT, 18TRT, 26TRT and 32TRT.

ELECTRICAL

ENERGY (Calculated in accordance with NEMA standard LE-5A)

LER.DOH	Annual* Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
40	\$5.99	(1) 26W DTT	1800	1.00	28
48	\$4.98	(1) 26W DTT	1800	1.00	28
46	\$5.24	(2) 32W TRT	2400	0.98	36
40	\$6.07	(2) 42W TRT	3200	1.00	46

*Comparative yearly lighting energy cost per 1000 lumens

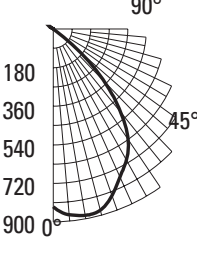
NOTES

ORDERING NOTES

1. Not available with finishes.
2. Multi-volt electronic ballast capable of operating on any voltage from 120V through 277V, 50 or 60 Hz.
3. For additional ballast types, refer to [TECH-250](#).
4. Not available in 13W.
5. Available in 120V or 277V only.
6. For dimensional changes, refer to [TECH-140](#).
7. Not available with MVOLT; must specify voltage.
8. For compatible RELOC systems, refer to [TECH-110](#).
9. Not available with EL, ELHL, ELR or ELRHL option.
10. Meets codes that require in-fixture disconnect.
11. Must specify wattage: Ex.: WRL32

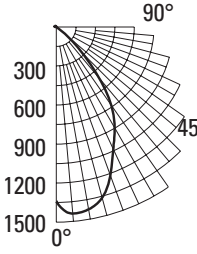
Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance: Single Luminaire 30" Above Floor

AFV 26TRT 8AR (1) PL-T 26W/30/4P LAMP, 1800 RATED LUMENS, 1.3 S/MH, TEST NO. 2194021601



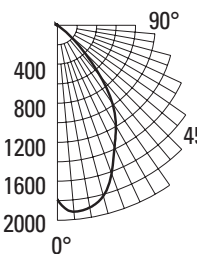
From 0°	cp.	Lumens	Zone	Lumens	%lamp	pf	pc	80%		20%		50%	50%	50%		10%		
								pw	50%	30%	50%			30%	50%	30%	beam angle 64.0°	beam angle 93.8°
0°	830		0°-30°	682	37.9	1	83	81	82	80	78	77	Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
5°	870	84	0°-40°	1071	59.5	2	78	75	76	74	74	72	8'	27.5	6.9'	13.7	11.8'	2.7
15°	876	247	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	353	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	390	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	255	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	24	*Efficiency			7	54	49	53	49	52	48						
65°	0	1				8	50	45	49	45	48	44						
75°	0	1				9	46	41	45	43	45	40						
85°	0	1				10	42	37	42	37	41	37						
90°	0																	

AFV 32TRT 8AR (1) PL-T 32W/30/4P LAMP, 2400 RATED LUMENS, 1.1 S/MH, TEST NO. 2194021402



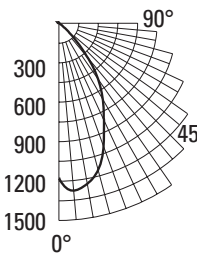
From 0°	cp.	Lumens	Zone	Lumens	%lamp	pf	pc	80%		20%		50%	50%	50%		10%		
								pw	50%	30%	50%			30%	50%	30%	beam angle 55.3°	beam angle 87.6°
0°	1344		0°-30°	998	41.6	1	78	77	77	75	74	73	Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
5°	1440	137	0°-40°	1457	60.7	2	73	71	72	70	70	68	8'	44.5	5.8'	22.2	10.5'	4.4
15°	1360	382	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	481	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	460	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	219	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	7	*Efficiency			7	53	49	53	49	52	49						
65°	1	1				8	50	46	49	46	49	45						
75°	0	1				9	47	43	46	42	46	42						
85°	0	1				10	43	39	43	39	43	39						
90°	0																	

AFV 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	80%		20%		50%	50%	50%		10%		
								pw	50%	30%	50%			30%	50%	30%	beam angle 53.7°	beam angle 85.6°
0°	1568		0°-30°	1097	34.3	1	63	61	61	60	59	58	Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
5°	1705	162	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	407	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	527	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	505	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	198	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	8	*Efficiency			7	40	37	40	36	39	36						
65°	4	4				8	38	34	37	34	37	34						
75°	2	3				9	35	32	35	32	34	31						
85°	2	2				10	33	30	33	30	32	29						
90°	0																	

AFV 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	80%		20%		50%	50%	50%		10%		
								pw	50%	30%	50%			30%	50%	30%	beam angle 50.8°	beam angle 84.2°
0°	1182		0°-30°	819	34.1	1	60	59	59	58	57	56	Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
5°	1279	120	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	322	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	378	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	329	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	141	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	4	*Efficiency			7	42	39	42	39	41	38						
65°	0	1				8	39	37	39	36	39	36						
75°	0	1				9	37	34	37	34	36	34						
85°	0	1				10	35	32	35	32	34	31						
90°	0																	

PHOTOMETRY NOTES

- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- Actual performance may differ as a result of end-user environment and application.
- Consult factory or IES file for microgroove baffle, black cone or other photometric reports.