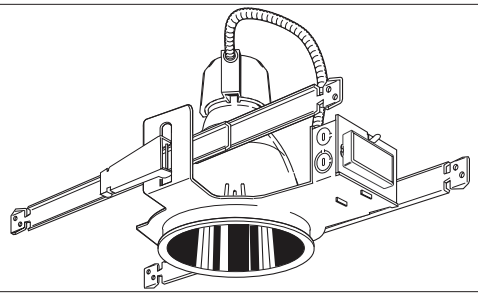
gotham®

Luminaire Type:
Catalog Number (autopopulated):



Gotham Architectural Downlighting
Compact Fluorescent Downlights

6" 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 1-5/8" 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.
- SIMPLY5™ technology available.

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

NOTE: Actual performance may differ as a result of end-user environment and application.

ORDERING INFORMATION

EXAMPLE: AFV 32TRT 6AR MVOLT WLP

Series	Wattage/Lamp	Aperture/Trim color	Finish	Lens type	Voltage	Ballast[3]
AFV	**13DTT**	**6AR** Clear	(blank) Semi-specular	(blank) No lens	**MVOLT**[2]	(blank) Electronic ballast
	18DTT	**6PR** Pewter	**LD** Matte-diffuse	**CGL** Clear glass lens	**120**	**ECOS**[2,4] Lutron® EcoSystem® electronic dimming ballast. Minimum dimming level 5%.
	26DTT	**6WTR** Wheat		**CAL** Clear acrylic lens	**277**	
	13TRT	**6WR**[1] White painted		**PCL** Clear polycarbonate lens	**347**	**ADEZ**[4,5] Advance Mark 10® electronic dimming ballast. Minimum dimming level 5%
	18TRT	**6MB**[1] Black baffle		**T73** Tempered prismatic lens		**ADZT**[2] Advance Mark 7® electronic dimming ballast. Minimum dimming level 5%
	26TRT	**6WB**[1] White baffle				
	32TRT					
	42TRT					

Options

EL[5,6]	Emergency battery pack with integral test switch	**GMF**[7]	Single, slow-blow fuse	**HW**	Hardwire for S5 system; replaces RELOC®
ELR[5,6]	Emergency battery pack with remote test switch	**TRW**	White painted flange (standard on MB and WB)	**CP**[9]	Chicago plenum
ELHL[5,6]	High-lumen-output emergency battery pack with integral test switch	**TRBL**	Black painted flange	**BDP**[9,10]	Ballast disconnect plug
		GSKT	Foam gasketing	**WL**	Wet location; lens required
ELRHL[5,6]	High-lumen-output emergency battery pack with remote test switch	**WLP**	With 3500 K lamp (shipped separately)	**WRL**[11]	Wattage restriction label
		RRL[8]	RELOC®-ready luminaire. Provides compatibility with Lithonia RELOC system. Access above ceiling required.	**TWS**	Twist lock socket
GLR[7]	Single, fast-blow fuse				

ACCESSORIES order as separate catalog numbers (shipped separately)

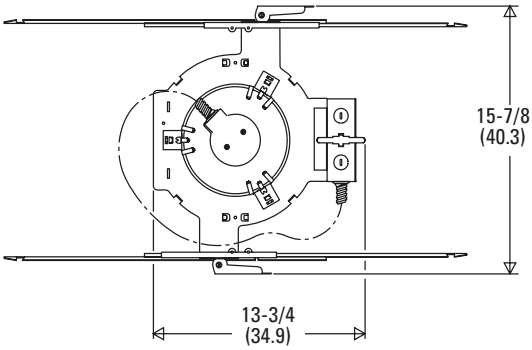
SCA6	Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D.
CTA4-8 YK	Ceiling thickness adapter. (Extends mounting frame to accommodate ceiling thickness up to 4-1/4" DTT and 3-1/4" TRT)
NPP16D	nLight network relay pack with 0-10V dimming. For use only with ADZT ballast option. Refer to TN-602.

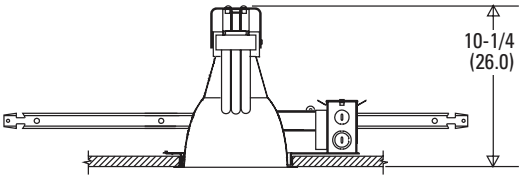
GOTHAM ARCHITECTURAL DOWNLIGHTING | 1400 Lester Road Conyers GA 30012 | P 800.315.4982 | gothamlighting.com
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DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.





Aperture:	6-1/4 (15.9)
Ceiling opening:	7-1/8 (18.1)
Overlap trim:	7-1/2 (19.1)
Lens recess:	1-1/2 (3.8)

DIMENSIONAL NOTES

- Maximum height depends on lamp wattage/type, dimensions range from 10-3/4" for 18DTT, 26DTT and 42 TRT; 9-3/8" for 13DTT, 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
32	$7.44	(1) 26W DTT	1800	1	20
39	$6.12	(1) 26W TRT	1800	1	28
38	$6.34	(1) 32W TRT	2400	0.98	36

*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 with 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 or ELR option.
10. Meets codes that require in-fixture disconnect.
11. Must specify wattage: Ex.: WRL32

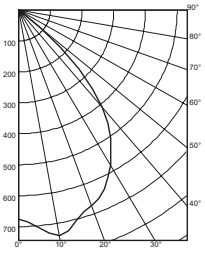
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PHOTOMETRY

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

AFV 26TRT 6AR

(1) PL-T 26W/30/4P LAMP, 1800 RATED LUMENS, 1.2 S/MH, TEST NO. 94021501



From 0°	Ave	Lumens
0°	676	
5°	706	69
15°	704	199
25°	639	292
35°	505	312
45°	269	198
55°	4	16
65°	0	0
75°	0	0
85°	0	0
90°	0	

Zone	Lumens	%lamp
0°-30°	559.4	31.1
0°-40°	871.9	48.4
0°-60°	1085.5	60.3
0°-90°	1085.7	60.3
90°-180°	0	0.0
0°-180°	1085.7	60.3*

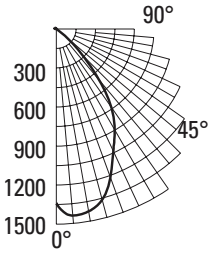
*Efficiency

ρf		20%				
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	66	65	65	63	62	61
2	61	58	60	57	58	56
3	56	53	55	52	53	51
4	51	48	51	47	49	46
5	47	43	47	43	46	42
6	44	40	43	39	42	39
7	41	36	40	36	39	36
8	38	34	37	33	37	33
9	35	31	35	31	34	31
10	33	29	32	29	32	28

Mount height	Initial fc at beam center	50% beam angle 63.7° Beam diameter	50% beam angle 63.7° fc at beam edge	10% beam angle 93.3° Beam diameter	10% beam angle 93.3° fc at beam edge
8'	22.3	6.8'	11.2	11.7'	2.2
10'	12.0	9.3'	6.0	15.9'	1.2
12'	7.5	11.8'	3.7	20.1'	0.7
14'	5.1	14.3'	2.6	24.4'	0.5
16'	3.7	16.8'	1.9	28.6'	0.4

AFV 32TRT 6AR

(1) PL-T 32W/30/4P LAMP, 2400 RATED LUMENS, 1.1 S/MH, TEST NO. 17111



From 0°	Ave	Lumens
0°	1146	
5°	1150	108
15°	1012	285
25°	861	394
35°	631	390
45°	308	226
55°	20	27
65°	6	6
75°	2	2
85°	0	0
90°	0	

Zone	Lumens	%lamp
0°-30°	787.2	54.7
0°-40°	1177.5	49.1
0°-60°	1430.1	59.6
0°-90°	1438.3	59.9
90°-180°	0	0.0
0°-180°	1438.3	59.9*

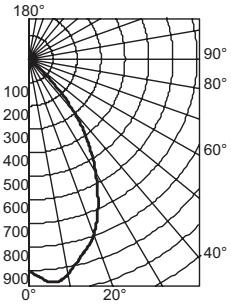
*Efficiency

ρf		20%				
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	66	64	65	63	62	61
2	61	58	60	57	58	56
3	56	53	55	52	53	51
4	52	48	51	47	49	47
5	48	44	47	43	46	43
6	44	40	44	40	43	39
7	41	37	41	37	40	36
8	38	34	38	34	37	34
9	36	32	35	32	35	31
10	33	29	33	29	33	29

Mount height	Initial fc at beam center	50% beam angle 54.6° Beam diameter	50% beam angle 54.6° fc at beam edge	10% beam angle 89.4° Beam diameter	10% beam angle 89.4° fc at beam edge
8'	37.9	5.7'	18.9	10.9'	3.8
10'	20.4	7.7'	10.2	14.8'	2.0
12'	12.7	9.8'	6.4	18.8'	1.3
14'	8.7	11.9'	4.3	22.8'	0.9
16'	6.3	13.9'	3.1	26.7'	0.6

AFV 32TRT 6MB

(1) PL-T 32W/30/4P LAMP, 2400 RATED LUMENS, 1.0 S/MH, TEST NO. 2196071001



	Ave	Lumens
0°	903	
5°	951	90
15°	861	242
25°	682	310
35°	428	263
45°	134	101
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	643	26.8
0° - 40°	906	37.7
0° - 60°	1007	42.0
0° - 90°	1007	42.0
90° - 180°	0	0.0
0° - 180°	1007	42.0

ρf			20%				
ρc	80%			70%			50%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	50	50	50	49	49	49	47	47	47
1	46	45	44	45	45	44	44	43	42
2	43	41	40	42	41	39	41	40	38
3	40	38	36	39	37	36	38	37	35
4	37	35	33	37	34	33	36	34	32
5	35	32	30	34	32	30	33	31	30
6	32	30	28	32	30	28	31	29	28
7	30	28	26	30	27	26	29	27	26
8	28	26	24	28	26	24	28	25	24
9	27	24	22	26	24	22	26	24	22
10	25	22	21	25	22	21	24	22	21

Mount height	Inital fc at beam center	50% beam angle 53.6° Beam diameter	50% beam angle 53.6° fc at beam edge	10% beam angle 84.2° Beam diameter	10% beam angle 84.2° fc at beam edge
8.0	29.9	5.6	14.9	9.9	3.0
10.0	16.1	7.6	8.0	13.6	1.6
12.0	10.0	9.6	5.0	17.2	1.0
14.0	6.8	11.6	3.4	20.8	0.7
16.0	5.0	13.6	2.5	24.4	0.5

PHOTOMETRY NOTES

- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- Consult factory or IES file for microgroove baffle, black cone or other photometric reports.

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