



Gotham Architectural Downlighting
Compact Fluorescent Downlights

8" AF
Open Reflector

Horizontal Lamp
Triple-Tube

FEATURES

OPTICAL SYSTEM

- Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050). Minimum flange matches reflector finish.
- Baffle/Cone: Semi-specular clear upper reflector. Microgroove baffle with white painted flange or specular black cone with flange that matches cone finish.

MECHANICAL SYSTEM

- 16-gauge galvanized steel construction; maximum 1-1/2" 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.
- Trim retention: one-lamp with friction clips, two-lamp with yoke.

ELECTRICAL SYSTEM

- Horizontally 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

ORDERING INFORMATION

EXAMPLE: AF 2/32TRT 8AR MVOLT

Series	Wattage/Lamp	Aperture/Trim color	Finish	Lens type	Voltage	Ballast ³	
AF	1/13TRT	2/13TRT	8AR Clear	(blank) Semi-specular	(blank) No lens	MVOLT ²	(blank) Electronic ballast
	1/18TRT	2/18TRT	8PR Pewter	LD Matte-diffuse	CGL Clear glass lens	120	ECOS ^{2,4} Lutron® EcoSystem® electronic dimming ballast. Minimum dimming level 5%
	1/26TRT	2/26TRT	8WTR Wheat		PCL Clear polycarbonate lens	277	ADEZ ^{4,5} Advance Mark 10® electronic dimming ballast. Minimum dimming level 5%
	1/32TRT	2/32TRT	8WR ¹ White painted		T73 Tempered prismatic lens	347	ADZT ² Advance Mark 7® electronic dimming ballast. Minimum dimming level 5%
	1/42TRT	2/42TRT	8MB ¹ Black baffle		PPC Prismatic polycarbonate lens		
	1/42TRT	2/42TRT	8WB ¹ White baffle		FOL Flat opal lens		
	1/57TRT		8BC ¹ Black cone				

Options

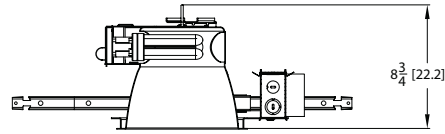
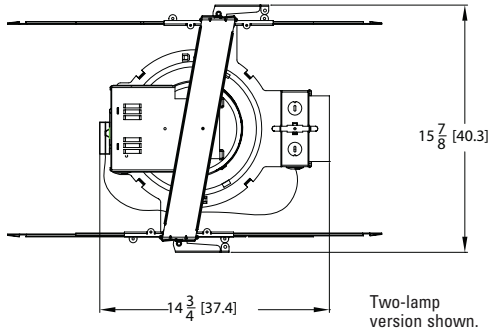
EL ⁶	Emergency battery pack with integral test switch	RRL ⁷	RELOC®-ready luminaire. Provides compatibility with Lithonia RELOC system. Access above ceiling required.
ELR ⁶	Emergency battery pack with remote test switch	CP ⁸	Chicago plenum
ELHL ⁶	High-lumen-output emergency battery pack with integral test switch	BDP ^{8,9}	Ballast disconnect plug
ELRHL ⁶	High-lumen-output emergency battery pack with remote test switch	HW	Hardwire for S5 system; replaces RELOC®
GMF ⁵	Single, slow-blow fuse	NEPP	Interface for Sensor Switch® nLight® network with integral power supply. Refer to TN-623-01.
GLR ⁵	Single, fast-blow fuse	WL	Wet location; lens required
TRW	White painted flange (standard on MB and WB)	WRL ¹⁰	Wattage restriction label
TRBL	Black painted flange	TWS	Twist lock socket
WLP	With 3500 K lamp (shipped separately)	CTA860	Ceiling thickness adaptor. 1-lamp only; not available with 57W
DS	Dual switching		

ACCESSORIES order as separate catalog numbers (shipped separately)

SCA8 Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA8 10D.

DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



Aperture: 7-7/8 (20.1)
 Ceiling Opening: 8-7/8 (22.5)
 Overlap Trim: 9-1/4(23.5)
 Lens Recess: 2.5 (6.4) min.

ELECTRICAL

ENERGY (Calculated in accordance with NEMA standard LE-5A)					
LER.DOL	Annual* Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
44	\$5.44	(1) 32W TRT	2400	0.98	36
47	\$5.08	(1) 42W TRT	3200	1.00	46
40	\$5.93	(2) 32W TRT	4800	0.96	69
41	\$5.92	(2) 42W TRT	6400	0.95	94

*Comparative yearly lighting energy cost per 1000 lumens

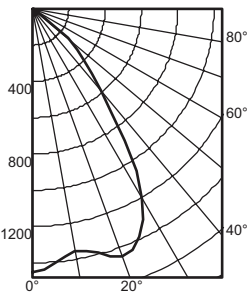
NOTES

ORDERING NOTES	
1. Not available with finishes.	7. For compatible RELOC systems, refer to TECH-110 .
2. Multi-volt electronic ballast capable of operating on any voltage from 120V through 277V, 50 or 60 Hz.	8. Not available with emergency options.
3. For additional ballast types, refer to TECH-250 .	9. Meets codes that require in-fixture disconnect.
4. Not available with 13W or 57W.	10. Must specify wattage. Ex.: WRL32
5. Available in 120V or 277V only.	
6. For dimensional changes, refer to TECH-140 .	

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

AF 1/42TRT 8AR

(1) CF42TRT, 3200 LUMENS PER LAMP, 1.2 S/MH, TEST NO. LTL20396

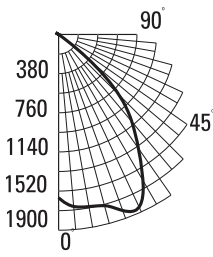


Ave	Lumens	Zone	Lumens	% Lamp	pf	20%						50% beam -		10% beam -			
						80%		70%		50%		61.8°		89.6°			
pc					pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1454	0° - 30°	1158.3	36.2	0	78	78	78	77	77	77	73	73	73			
5	1407	0° - 40°	1709.0	53.4	1	72	71	69	71	69	68	68	67	66			
15	1389	0° - 60°	2098.2	65.6	2	66	63	61	65	63	60	63	61	59			
25	1388	0° - 90°	2109.1	65.9	3	61	57	54	60	57	54	58	55	53			
35	885	90° - 180°	0.0	0.0	4	56	52	49	55	52	49	54	51	48			
45	400	0° - 180°	2109.1	*65.9	5	52	48	44	51	47	44	50	46	44			
55	65				6	48	44	40	47	43	40	46	43	40			
65	7				7	44	40	37	44	40	37	43	39	37			
75	3				8	41	37	34	41	37	34	40	36	34			
85	0				9	39	34	31	38	34	31	38	34	31			
90	0				10	36	32	29	36	32	29	35	31	29			

Mounting Height	Initial FC Center Beam	50% beam angle 61.8°		10% beam angle 89.6°	
		Beam Diameter	FC	Beam Diameter	FC
8.0	48.1	6.6	24.0	10.9	4.8
10.0	25.8	9.0	12.9	14.9	2.6
12.0	16.1	11.4	8.1	18.9	1.6
14.0	11.0	13.8	5.5	22.8	1.1
16.0	8.0	16.2	4.0	26.8	0.8

AF 2/32TRT 8AR

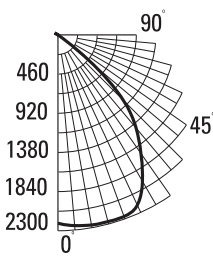
(2) CF32DT/E/IN/835, 2400 LUMENS PER LAMP, 1.4 S/MH, TEST NO. LTL9407



From 0°	cp.	Lumens	Zone	Lumens	%lamp	pf	20%						Mount height	Initial fc at beam center	50% beam angle 67.9°		10% beam angle 94.3°	
							80%		70%		50%				Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
0°			0°-30°			pc	pw	50%	30%	50%	30%	50%	30%					
0°	1584		0°-30°	1473.7	30.7	1	66	65	65	64	63	61						
5°	1676	165	0°-40°	2288.7	47.7	2	61	58	60	57	58	56						
15°	1720	514	0°-60°	2901.1	60.4	3	56	52	55	52	53	51						
25°	1849	795	0°-90°	2909.7	60.6	4	51	48	51	47	49	46						
35°	1348	815	90°-180°	0.0	0.0	5	47	43	47	43	46	42	8'	52.4	7.4	26.2	11.9	5.2
45°	830	549	0°-180°	2909.7	60.6*	6	44	39	43	39	42	39	10'	28.2	10.1	14.1	16.2	2.8
55°	36	63				7	40	36	40	36	39	35	12'	17.6	12.8	8.8	20.5	1.8
65°	5	6				8	37	33	37	33	36	33	14'	12.0	15.5	6.0	24.8	1.2
75°	2	2				9	35	31	34	30	34	30	16'	8.7	18.2	4.3	29.1	0.9
85°	0	0				10	32	28	32	28	31	28						
90°	0	0																

AF 2/42TRT 8AR

(2) CF42DT/E/IN/835, 3200 LUMENS PER LAMP, 1.4 S/MH, TEST NO. LTL9406



From 0°	cp.	Lumens	Zone	Lumens	%lamp	pf	20%						Mount height	Initial fc at beam center	50% beam angle 67.6°		10% beam angle 94.1°	
							80%		70%		50%				Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
0°			0°-30°			pc	pw	50%	30%	50%	30%	50%	30%					
0°	2211		0°-30°	2029.5	31.7	1	69	67	67	66	65	64						
5°	2248	225	0°-40°	3166.3	49.5	2	63	60	62	59	60	58						
15°	2270	707	0°-60°	3999.6	62.5	3	58	54	57	54	55	52						
25°	2205	1097	0°-90°	4009.9	62.7	4	53	49	52	49	51	48						
35°	1699	1137	90°-180°	0.0	0.0	5	49	45	48	44	47	44	8'	73.1	7.4	36.5	11.8	7.3
45°	1092	749	0°-180°	4009.9	62.7*	6	45	41	45	40	44	40	10'	39.3	10.0	19.7	16.1	3.9
55°	47	84				7	42	37	41	37	40	37	12'	24.5	12.7	12.2	20.4	2.4
65°	7	8				8	39	34	38	34	37	34	14'	16.7	15.4	8.4	24.7	1.7
75°	3	3				9	36	32	36	31	35	31	16'	12.1	18.1	6.1	29.0	1.2
85°	0	0				10	33	29	33	29	33	29						
90°	0	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.