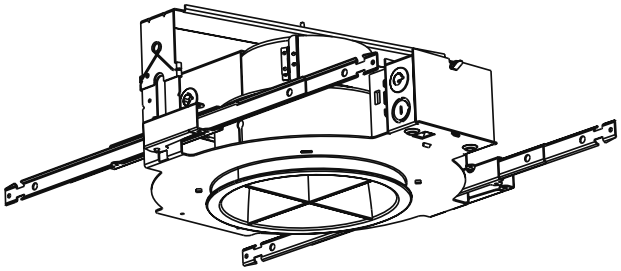
gotham®

Luminaire Type:
Catalog Number (autopopulated):



Gotham Architectural Downlighting
Compact Fluorescent Downlights

8" AF
Cross Baffle Reflector

Horizontal Lamp
Triple-Tube

nLIGHT

FEATURES

OPTICAL SYSTEM
- Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (US Patent No. 5,800,050). Minimum flange matches reflector finish.
- Cross baffle offers superior optical cut-off with a clean aperture appearance.
- Hinged lampdoor seals upper trim for optimal fixture efficiency and the reduction of stray light in the plenum.

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 adjustments post-installation.
- Junction box capacity: 8 (4 in, 4 out) 12AWG rated for 90°C.

ELECTRICAL SYSTEM
- Horizontally mounted, positive-latch, thermoplastic socket(s).
- 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/support/customer-support/terms-and-conditions

ORDERING INFORMATION

EXAMPLE: AF 2/32TRT 8CB CGL MVOLT

Series	Wattage/Lamp	Aperture/Trim color	Finish	Lens type	Voltage	Ballast[2]
AF	**1/13TRT** **1/18TRT** **1/26TRT** **1/32TRT** **1/42TRT** **1/57TRT** **2/13TRT** **2/18TRT** **2/26TRT** **2/32TRT** **2/42TRT**	**8CB** Clear	(blank) Semi-specular **LD** Matte-diffuse	(blank) No lens **CGL** Clear glass lens	**MVOLT**[1] **120** **277** **347**	(blank) Electronic ballast **ECOS**[1,3,4] Lutron® EcoSystem® electronic dimming ballast. Minimum dimming level 5% **ADEZ**[3,5] Advance Mark 10® electronic dimming ballast. Minimum dimming level 5% **ADZT**[1] Advance Mark 7® electronic dimming ballast. Minimum dimming level 5%

Options					
ELR[6]	Emergency battery pack with remote test switch	**TRBL**	Black painted flange	**BDP**[8,9]	Ballast disconnect plug
ELRHL[6]	High-lumen-output emergency battery pack with remote test switch	**WLP**	With 3500 K lamp (shipped separately)	**NPP16D EFP**	nLight network power/relay pack with 0-10V dimming.
GMF[5]	Single, slow-blow fuse	**DS**	Dual switching	**NPP16D ER EFP**	nLight network power/relay pack with 0-10V dimming. ER controls fixtures on emergency circuit.
GLR[5]	Single, fast-blow fuse	**RRL**[7]	RELOC®-ready luminaire. Provides compatibility with Lithonia RELOC system. Access above ceiling required.	**WL**	Wet location; lens required
TRW	White painted flange	**CP**[8]	Chicago plenum	**WRL**[10]	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.

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

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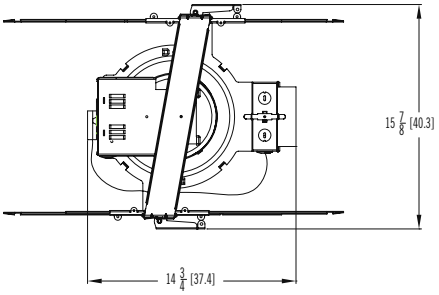
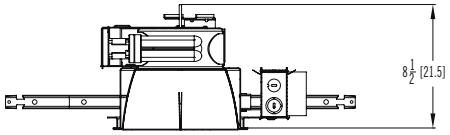
DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.





Aperture:	7-7/8 (20.1)
Ceiling Opening:	8-7/8 (22.5)
Overlap Trim:	9-1/4 (23.5)
Lens recess:	4-1/2 (11.4)

NOTES

ORDERING NOTES

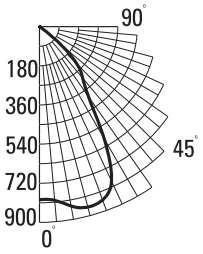
1. Multi-volt electronic ballast capable of operating on any voltage from 120V through 277V, 50 or 60 Hz.
2. For additional ballast types, refer to TECH-250.
3. Not available with 13W or 57W.
4. 2/242TRT Option only available with DS (Dual Switching) option.
5. Available in 120V or 277V only.
6. For dimensional changes, refer to TECH-140.
7. For compatible RELOC systems, refer to TECH-110.
8. Not available with emergency options.
9. Meets codes that require in-fixture disconnect.
10. Must specify wattage. Ex.: WRL32

PHOTOMETRY

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

AF 1/32TRT 8CB

(1) CF32DT/E/IN/835, 2400 LUMENS PER LAMP, 1.2 S/MH, TEST NO. LTL9608



From 0°	cp.	Lumens
0°	796	
5°	801	68
15°	859	201
25°	783	333
35°	392	293
45°	248	166
55°	21	31
65°	4	5
75°	2	2
85°	0	0
90°	0	

Zone	Lumens	%lamp
0°-30°	603.1	25.1
0°-40°	895.7	37.3
0°-60°	1092.6	45.5
0°-90°	1099.5	45.8
90°-180°	0.0	0.0
0°-180°	1099.5	45.8*

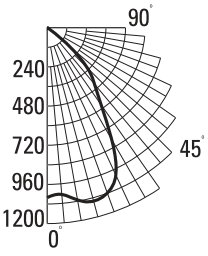
*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	50	49	49	48	47	47
2	46	44	45	44	44	42
3	42	40	42	39	41	39
4	39	36	39	36	38	35
5	36	33	36	33	35	32
6	33	30	33	30	32	30
7	31	28	31	28	30	27
8	29	26	28	26	28	25
9	27	24	27	24	26	23
10	25	22	25	22	24	22

Mount height	Initial fc at beam center	50% beam angle 61.3° Beam diameter	50% beam angle 61.3° fc at beam edge	10% beam angle 90.1° Beam diameter	10% beam angle 90.1° fc at beam edge
8'	26.3	6.5	13.2	11.0	2.6
10'	14.2	8.9	7.1	15.0	1.4
12'	8.8	11.3	4.4	19.0	0.9
14'	6.0	13.6	3.0	23.0	0.6
16'	4.4	16.0	2.2	27.1	0.4

AF 1/42TRT 8CB

(1) CF42DT/E/IN/835, 3200 LUMENS PER LAMP, 1.2 S/MH, TEST NO. LTL9607



From 0°	cp.	Lumens
0°	1041	
5°	1025	97
15°	1100	299
25°	995	470
35°	574	407
45°	348	232
55°	41	55
65°	7	8
75°	2	3
85°	0	0
90°	0	

Zone	Lumens	%lamp
0°-30°	866.7	27.1
0°-40°	1273.6	39.8
0°-60°	1560.2	48.8
0°-90°	1571.3	49.1
90°-180°	0.0	0.0
0°-180°	1571.3	49.1*

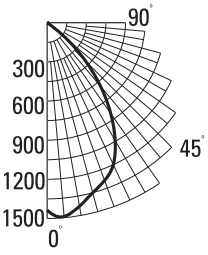
*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	54	53	53	52	51	50
2	49	47	49	47	47	45
3	45	43	45	42	43	41
4	42	39	41	38	40	38
5	39	35	38	35	37	35
6	36	32	35	32	35	32
7	33	30	33	30	32	29
8	31	27	31	27	30	27
9	29	25	28	25	28	25
10	27	24	27	24	26	23

Mount height	Initial fc at beam center	50% beam angle 62.3° Beam diameter	50% beam angle 62.3° fc at beam edge	10% beam angle 90.1° Beam diameter	10% beam angle 90.1° fc at beam edge
8'	34.4	6.6	17.2	11.0	3.4
10'	18.5	9.1	9.3	15.0	1.9
12'	11.5	11.5	5.8	19.0	1.2
14'	7.9	13.9	3.9	23.0	0.8
16'	5.7	16.3	2.9	27.1	0.6

AF 2/32TRT 8CB

(2) CF32DT/E/IN/835, 2400 LUMENS PER LAMP, 1.2 S/MH, TEST NO. LTL9610



From 0°	cp.	Lumens
0°	1435	
5°	1491	139
15°	1349	407
25°	1199	591
35°	850	559
45°	420	300
55°	41	49
65°	9	9
75°	3	3
85°	1	1
90°	0	

Zone	Lumens	%lamp
0°-30°	1136.6	23.7
0°-40°	1695.5	35.3
0°-60°	2045.0	42.6
0°-90°	2058.0	42.9
90°-180°	0.0	0.0
0°-180°	2058.0	42.9*

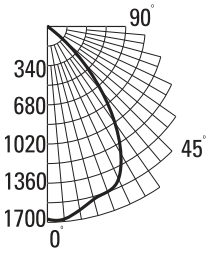
*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	47	46	46	45	44	44
2	43	41	43	41	41	40
3	40	38	39	37	38	36
4	37	34	36	34	35	33
5	34	31	34	31	33	30
6	31	29	31	28	30	28
7	29	26	29	26	28	26
8	27	24	27	24	26	24
9	25	23	25	22	23	21
10	24	21	24	21	23	21

Mount height	Initial fc at beam center	50% beam angle 61.3° Beam diameter	50% beam angle 61.3° fc at beam edge	10% beam angle 90.1° Beam diameter	10% beam angle 90.1° fc at beam edge
8'	47.4	6.5	23.7	11.0	4.7
10'	25.5	8.9	12.8	15.0	2.6
12'	15.9	11.3	8.0	19.0	1.6
14'	10.9	13.6	5.4	23.0	1.1
16'	7.9	16.0	3.9	27.0	0.8

AF 2/42TRT 8CB

(2) CF42DT/E/IN/835, 3200 LUMENS PER LAMP, 1.2 S/MH, TEST NO. LTL9611



From 0°	cp.	Lumens
0°	1671	
5°	1678	162
15°	1553	470
25°	1461	681
35°	1025	641
45°	435	332
55°	47	54
65°	10	10
75°	4	3
85°	0	1
90°	0	

Zone	Lumens	%lamp
0°-30°	1312.5	20.5
0°-40°	1953.2	30.5
0°-60°	2338.7	36.5
0°-90°	2352.7	36.8
90°-180°	0.0	0.0
0°-180°	2352.7	36.8*

*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	40	39	40	39	38	37
2	37	36	37	35	35	34
3	34	32	34	32	33	31
4	32	29	31	29	30	29
5	29	27	29	27	28	26
6	27	25	27	24	26	24
7	25	23	25	23	24	22
8	23	21	23	21	23	21
9	22	19	22	19	21	19
10	20	18	20	18	20	18

Mount height	Initial fc at beam center	50% beam angle 60.8° Beam diameter	50% beam angle 60.8° fc at beam edge	10% beam angle 89.1° Beam diameter	10% beam angle 89.1° fc at beam edge
8'	55.2	6.5	27.6	10.8	5.5
10'	29.7	8.8	14.9	14.8	3.0
12'	18.5	11.2	9.3	18.7	1.9
14'	12.6	13.5	6.3	22.6	1.3
16'	9.2	15.9	4.6	26.6	0.9

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.