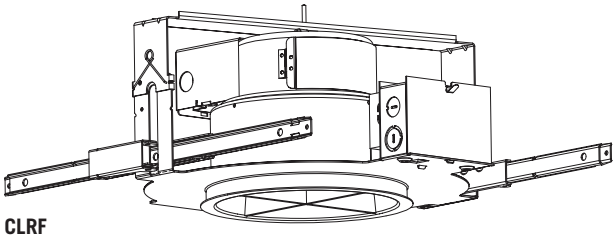
gotham®

Luminaire Type:
Catalog Number (autopopulated):



CLRF

Gotham Architectural Downlighting
Decorative Compact Fluorescent Downlights

8" PDXF
Ice™ Blade

Horizontal Lamp,
Triple-Tube

FEATURES

OPTICAL SYSTEM
- Reflector - Self-flanged, matte-finished clear reflector. Fluted vertical upper section works in conjunction with patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) to provide lamp before lamp image and smooth transition from top of reflector to bottom. Minimum flange matches reflector finish. White painted flange optional.
- Cross Baffle - Clear acrylic cross baffle with surface that provides a decorative edge-glow appearance.
- Hinged lampdoor seals upper trim for optimal fixture efficiency and the reduction of stray light in the plenum.

MECHANICAL
- 16-gauge galvanized steel mounting/plaster frame with integral yoke to retain optical system. Maximum 1-1/2" ceiling thickness.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment are shipped pre-installed. Post installation adjustment possible without the use of tools from above or below ceiling.
- Galvanized steel junction box with bottom-hinged access covers and spring latches. Two combination 1/2"-3/4" and three 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.

ELECTRICAL SYSTEM
- Horizontally-mounted, positive-latch, thermoplastic socket(s).
- Class P, thermally protected, high power factor electronic ballast(s) mounted to the junction box.

LISTING
- Fixtures are UL listed for thru-branch wiring, 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: PDXF 1/32TRT 8AR CLRF MVOLT

Series	Lamp/ Wattage	Trim color	Baffle type	Voltage	Ballast[2]	Options
PDXF	**1/18TRT** **1/26TRT** **1/32TRT** **1/42TRT** **1/57TRT** **2/18TRT** **2/26TRT** **2/32TRT** **2/42TRT**	**8AR** Clear	**CLRF** Clear flush **CLRR** Clear round **CLRA** Clear angular	**MVOLT**[1] **120** **277** **347**	(blank) GEB10 standard, electronic ballast **ECOS** Lutron EcoSystem® electronic dimming ballast. Minimum dimming level 5%. **ADEZ**[3] Advance Mark 10® electronic dimming ballast **ADZT** Advance Mark 7® electronic 0-10 VDC dimming ballast	**TRW** White painted flange **WLP** With 35 K lamp (shipped separately) **RRL**[4] RELOC®-ready luminaire. Provides compatibility with Lithonia RELOC system. Access above ceiling required. **GMF**[5] Single, slow-blow fuse **GLR**[5] Single, fast-blow fuse **RIF** Radio interference filter **ELR**[6] Emergency battery pack. Remote test switch provided. **QDS** Quick disconnect for easy ballast replacement. **GSKT** 1/8" X 3/8" foam, adhesive backed gasketing; shipped uninstalled. **DS** Dual switching **CSA** Listed and labeled to comply with Canadian Standards. **CP** Chicago plenum **CAL** Clear acrylic lens. For use where enclosed fixture is required. **NEPP** Interface for Sensor Switch® nLight® network with integral power supply. Refer to TN-623-01.

ACCESSORIES order as separate catalog numbers (shipped separately)	
SCA8FL	Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA8FL **10D**.

NOTES

ORDERING NOTES

1. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.
2. For additional ballast types, refer to TECH-250.
3. Specify 120V or 277V only.
4. For compatible RELOC systems, refer to TECH-110.
5. Not available with MVOLT.
6. For dimensional changes, refer to TECH-140. Not available with QDS or CP options.

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

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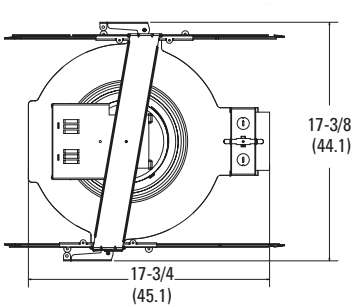
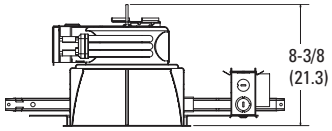
DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.





Aperture: 7-7/8 (20.0)
Ceiling Opening: 8-7/8 (22.5)
Overlap Trim: 9-1/4 (23.5)

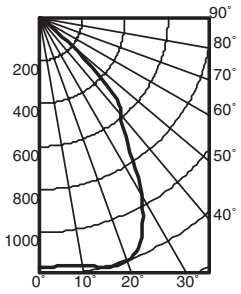
CLRR

CLRA

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

PDXF 1/42TRT 8AR CLRF

(1) CF42DT/E/IN/835, 3200 lumens per lamp, test no. LTL11023



From 0°	Ave	Lumens
0	1164	
5	1160	111
15	1202	340
25	1124	508
35	719	459
45	443	316
55	56	64
65	19	19
75	8	8
85	1	2
90	0	

Zone	Lumens	% Lamp
0° - 30°	959.2	30.0
0° - 40°	1418.4	44.3
0° - 60°	1797.8	56.2
0° - 90°	1827.1	57.1
90° - 180°	0.0	0.0
0° - 180°	1827.1	*57.1

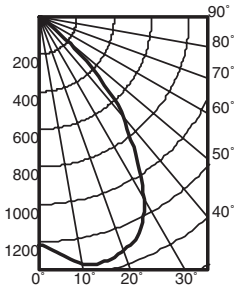
*Efficiency

pf	20%					
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.62	.61	.61	.60	.59	.58
2	.57	.55	.56	.54	.54	.52
3	.52	.49	.52	.49	.50	.48
4	.48	.45	.48	.44	.46	.43
5	.44	.41	.44	.40	.43	.40
6	.41	.37	.41	.37	.40	.36
7	.38	.34	.38	.34	.37	.33
8	.35	.31	.35	.31	.34	.31
9	.33	.29	.32	.29	.32	.29
10	.31	.27	.30	.27	.30	.26

		50% beam angle 61.4°		10% beam angle 92.8°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	38.5	6.5	19.2	11.5	3.9
10	20.7	8.9	10.3	15.7	2.1
12	12.9	11.3	6.4	19.9	1.3
14	8.8	13.7	4.4	24.1	0.9
16	6.4	16.0	3.2	28.3	0.6

PDXF 2/32TRT 8AR CLRF

(2) CF32DT/E/IN/835, 2400 lumens per lamp, test no. LTL11025



From 0°	Ave	Lumens
0	1218	
5	1270	124
15	1352	381
25	1266	575
35	895	561
45	455	340
55	64	72
65	22	22
75	8	9
85	2	2
90	0	

Zone	Lumens	% Lamp
0° - 30°	1078.8	22.5
0° - 40°	1639.4	34.2
0° - 60°	2050.8	42.7
0° - 90°	2083.8	43.4
90° - 180°	0.0	0.0
0° - 180°	2083.8	*43.4

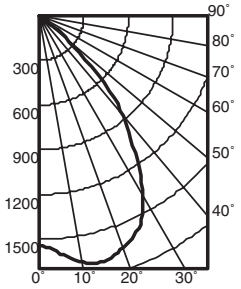
*Efficiency

pf	20%					
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.48	.46	.47	.45	.45	.44
2	.44	.41	.43	.41	.41	.40
3	.40	.37	.39	.37	.38	.36
4	.37	.34	.36	.34	.35	.33
5	.34	.31	.33	.31	.32	.30
6	.31	.28	.31	.28	.30	.28
7	.29	.26	.29	.26	.28	.25
8	.27	.24	.26	.24	.26	.23
9	.25	.22	.25	.22	.24	.22
10	.23	.20	.23	.20	.23	.20

		50% beam angle 65.0°		10% beam angle 92.7°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	40.3	7.0	20.1	11.5	4.0
10	21.7	9.5	10.8	15.7	2.2
12	13.5	12.1	6.7	19.9	1.3
14	9.2	14.6	4.6	24.1	0.9
16	6.7	17.2	3.3	28.3	0.7

PDXF 2/42TRT 8AR CLRF

(2) CF42DT/E/IN/835, 3200 lumens per lamp, test no. LTL11024



From 0°	Ave	Lumens
0	1539	
5	1603	155
15	1705	478
25	1577	716
35	1121	701
45	565	423
55	75	86
65	27	27
75	10	11
85	2	2
90	0	

Zone	Lumens	% Lamp
0° - 30°	1350.0	21.1
0° - 40°	2050.7	32.0
0° - 60°	2560.1	40.0
0° - 90°	2599.9	40.6
90° - 180°	0.0	0.0
0° - 180°	2599.9	*40.6

*Efficiency

pf	20%					
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.44	.43	.44	.43	.42	.41
2	.41	.39	.40	.38	.39	.37
3	.37	.35	.37	.35	.36	.34
4	.34	.32	.34	.31	.33	.31
5	.32	.29	.31	.29	.30	.28
6	.29	.26	.29	.26	.28	.26
7	.27	.24	.27	.24	.26	.24
8	.25	.22	.25	.22	.24	.22
9	.23	.21	.23	.20	.23	.20
10	.22	.19	.22	.19	.21	.19

		50% beam angle 64.7°		10% beam angle 92.5°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	50.9	7.0	25.4	11.5	5.1
10	27.4	9.5	13.7	15.7	2.7
12	17.1	12.0	8.5	19.8	1.7
14	11.6	14.6	5.8	24.0	1.2
16	8.4	17.1	4.2	28.2	0.8

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.