

Gotham Architectural Downlighting
Decorative Compact Fluorescent Downlights

8" PDTF
Ice™ Turbo

Horizontal Lamp,
Triple-Tube

FEATURES

OPTICAL SYSTEM

- Reflector - Self-flanged, matte-finished clear anodized 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.
- Turbo Baffle - Clear acrylic, three-spoke turbo 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.
- 116-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: PDTF 1/32TRT 8AR MVOLT

Series	Lamp/Wattage	Trim color	Voltage	Ballast ²	Options
PDTF	1/18TRT 1/26TRT 1/32TRT 1/42TRT 1/57TRT 2/18TRT 2/26TRT 2/32TRT 2/42TRT	8AR Clear	MVOLT¹ 120 277 347	(blank) GEB10 standard, electronic ballast ECOS Lutron EcoSystem® electronic dimming ballast. Minimum dimming level 5%. ADEZ³ Advance Mark 10® electronic dimming ballast ADZT Advance Mark 7® electronic dimming ballast	TRW White painted flange WLP With 35 K lamp (shipped separately) RRL⁴ RELOC®-ready luminaire. Provides compatibility with Lithonia RELOC system. Access above ceiling required. GMF⁵ Single, slow-blow fuse GLR⁵ Single, fast-blow fuse RIF Radio interference filter ELR⁶ Emergency battery pack. Remote test switch provided. QDS Quick disconnect for easy ballast replacement. DS Dual switching GSKT 1/8" X 3/8" foam, adhesive backed gasketing; shipped uninstalled. CSA Listed and labeled to comply with Canadian standards. CP Chicago plenum NEPP Interface for Sensor Switch® nLight® network with integral power supply. Refer to TN-623-01 .

ACCESSORIES order as separate catalog numbers (shipped separately)

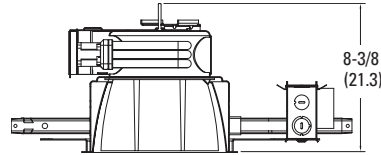
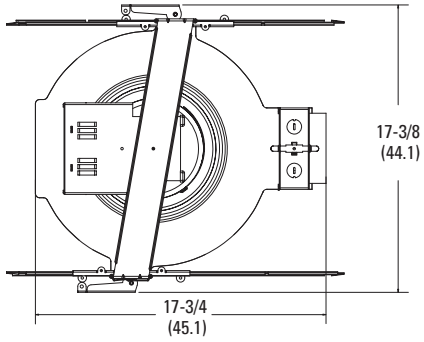
SCA8FL Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA8FL 10D.

NOTES

ORDERING NOTES

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

All dimensions are inches (centimeters) unless otherwise noted.

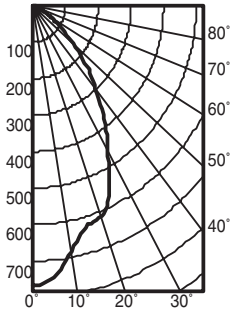


Aperture: 7-7/8 (20.0)
Ceiling Opening: 8-7/8 (22.5)
Overlap Trim: 9-1/4 (23.5)

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

PDTF 1/32TRT 8AR

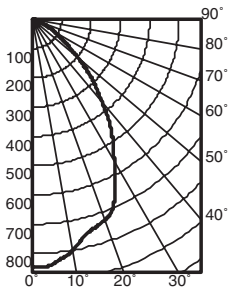
(1) CF32DT/E/IN/835, 2400 lumens per lamp, test no. LTL11858



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	Coefficient of Utilization						50% beam angle			10% beam angle		
							80%		70%		50%		52.4°			91.4°		
							50%	30%	50%	30%	50%	30%	Initial fc	fc at	fc at	Mount at beam	Beam	Beam
height	center	diameter	edge	diameter	edge	height	center	diameter	edge	diameter	edge	height	center	diameter	edge	diameter	edge	
0	767		0° - 30°	499.5	20.8	1	.49	.47	.48	.46	.46	.45						
5	746	69	0° - 40°	736.0	30.7	2	.44	.42	.43	.41	.42	.40	8	25.4	5.4	12.7	11.3	2.5
15	629	179	0° - 60°	1012.1	42.2	3	.40	.37	.39	.37	.38	.36	10	13.6	7.4	6.8	15.4	1.4
25	555	251	0° - 90°	1078.1	44.9	4	.36	.33	.36	.33	.35	.32	12	8.5	9.4	4.3	19.5	0.8
35	381	237	90° - 180°	0.0	0.0	5	.33	.30	.33	.30	.32	.29	14	5.8	11.3	2.9	23.6	0.6
45	235	179	0° - 180°	1078.1	*44.9	6	.31	.27	.30	.27	.29	.27	16	4.2	13.3	2.1	27.7	0.4
55	106	97				7	.28	.25	.28	.25	.27	.24						
65	44	44			*Efficiency	8	.26	.23	.26	.23	.25	.22						
75	16	17				9	.24	.21	.24	.21	.24	.21						
85	3	4				10	.23	.19	.22	.19	.22	.19						
90	0																	

PDTF 1/42TRT 8AR

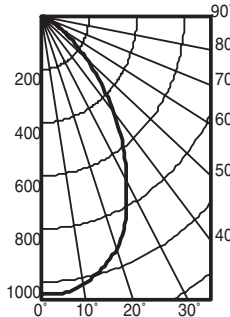
(1) CF42DT/E/IN/835, 3200 lumens per lamp, test no. LTL11899



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	Coefficient of Utilization						50% beam angle			10% beam angle		
							80%		70%		50%		55.5°			93.2°		
							50%	30%	50%	30%	50%	30%	Initial fc	fc at	fc at	Mount at beam	Beam	Beam
height	center	diameter	edge	diameter	edge	height	center	diameter	edge	diameter	edge	height	center	diameter	edge	diameter	edge	
0	843		0° - 30°	594.2	18.6	1	.45	.43	.44	.42	.42	.41						
5	838	79	0° - 40°	885.9	27.7	2	.40	.38	.39	.37	.38	.36	8	27.9	5.8	13.9	11.6	2.8
15	750	213	0° - 60°	1228.8	38.4	3	.36	.34	.36	.33	.35	.33	10	15.0	7.9	7.5	15.9	1.5
25	667	302	0° - 90°	1319.9	41.2	4	.33	.30	.33	.30	.32	.29	12	9.3	10.0	4.7	20.1	0.9
35	472	292	90° - 180°	0.0	0.0	5	.30	.27	.30	.27	.29	.26	14	6.4	12.1	3.2	24.3	0.6
45	287	219	0° - 180°	1319.9	*41.2	6	.28	.25	.27	.24	.27	.24	16	4.6	14.2	2.3	28.5	0.5
55	135	124			*Efficiency	7	.26	.22	.25	.22	.25	.22						
65	59	60				8	.24	.21	.23	.20	.23	.20						
75	23	25				9	.22	.19	.22	.19	.21	.19						
85	5	6				10	.20	.18	.20	.17	.20	.17						
90	0																	

PDTF 2/32TRT 8AR

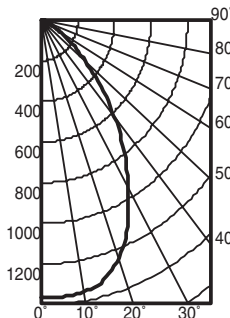
(2) CF32DT/E/IN/835, 2400 lumens per lamp, test no. LTL11861



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	Coefficient of Utilization						50% beam angle			10% beam angle		
							80%		70%		50%		56.3°			92.9°		
							50%	30%	50%	30%	50%	30%	Initial fc	fc at	fc at	Mount at beam	Beam	Beam
height	center	diameter	edge	diameter	edge	height	center	diameter	edge	diameter	edge	height	center	diameter	edge	diameter	edge	
0	1042		0° - 30°	756.8	15.8	1	.37	.36	.36	.35	.35	.34						
5	1048	99	0° - 40°	1127.9	23.5	2	.34	.32	.33	.31	.32	.30	8	34.4	5.9	17.2	11.6	3.4
15	983	276	0° - 60°	1545.7	32.2	3	.30	.28	.30	.28	.29	.27	10	18.5	8.0	9.3	15.8	1.9
25	839	382	0° - 90°	1645.2	34.3	4	.28	.25	.27	.25	.27	.25	12	11.5	10.2	5.8	20.0	1.2
35	597	371	90° - 180°	0.0	0.0	5	.25	.23	.25	.23	.24	.22	14	7.9	12.3	3.9	24.2	0.8
45	352	272	0° - 180°	1645.2	*34.3	6	.23	.21	.23	.21	.22	.20	16	5.7	14.5	2.9	28.4	0.6
55	158	146			*Efficiency	7	.21	.19	.21	.19	.21	.19						
65	65	67				8	.20	.17	.20	.17	.19	.17						
75	24	27				9	.18	.16	.18	.16	.18	.16						
85	5	6				10	.17	.15	.17	.15	.17	.15						
90	0																	

PDTF 2/42TRT 8AR

(2) CF42DT/E/IN/835, 3200 lumens per lamp, test no. LTL11860



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	Coefficient of Utilization						50% beam angle			10% beam angle		
							80%		70%		50%		57.0°			92.9°		
							50%	30%	50%	30%	50%	30%	Initial fc	fc at	fc at	Mount at beam	Beam	Beam
height	center	diameter	edge	diameter	edge	height	center	diameter	edge	diameter	edge	height	center	diameter	edge	diameter	edge	
0	1359		0° - 30°	1009.3	15.8	1	.37	.36	.36	.35	.35	.34						
5	1365	130	0° - 40°	1500.8	23.5	2	.33	.32	.33	.31	.32	.30	8	44.9	6.0	22.5	11.6	4.5
15	1322	370	0° - 60°	2044.8	32.0	3	.30	.28	.30	.28	.29	.27	10	24.2	8.1	12.1	15.8	2.4
25	1119	509	0° - 90°	2173.9	34.0	4	.28	.25	.27	.25	.26	.24	12	15.1	10.3	7.5	20.0	1.5
35	792	492	90° - 180°	0.0	0.0	5	.25	.23	.25	.22	.24	.22	14	10.3	12.5	5.1	24.2	1.0
45	461	355	0° - 180°	2173.9	*34.0	6	.23	.21	.23	.20	.22	.20	16	7.5	14.7	3.7	28.4	0.7
55	205	189			*Efficiency	7	.21	.19	.21	.19	.21	.18						
65	85	86				8	.20	.17	.20	.17	.19	.17						
75	32	34				9	.18	.16	.18	.16	.18	.16						
85	7	8				10	.17	.15	.17	.15	.17	.15						
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.