

Gotham Architectural Downlighting
Decorative Compact Fluorescent Downlights

6" 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.
- 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.
- Class P, thermally protected, high power factor electronic ballast 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 6AR MVOLT

Series	Lamp/Wattage	Trim color	Voltage	Ballast ²	Options
PDTF	1/18TRT	6AR Clear	MVOLT¹ 120 277 347	(blank) GEB10 standard, electronic ballast	TRW White painted flange
	1/26TRT			ECOS Lutron EcoSystem® electronic dimming ballast. Minimum dimming level 5%.	WLP With 35 K lamp (shipped separately)
	1/32TRT			ADEZ ³ Advance Mark 10® electronic dimming ballast	RRL⁴ RELOC®-ready luminaire. Provides compatibility with Lithonia RELOC system. Access above ceiling required.
	1/42TRT			ADZT Advance Mark 7® electronic dimming ballast	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.
					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)

SCA6FL Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA6FL 10D.

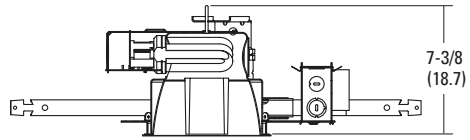
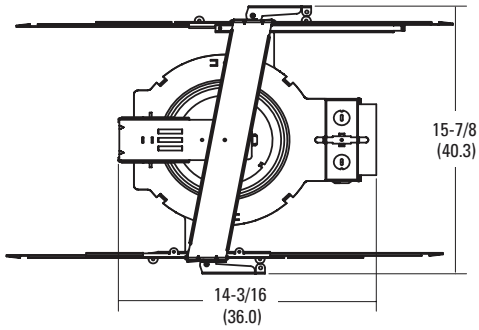
NOTES

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.

DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.

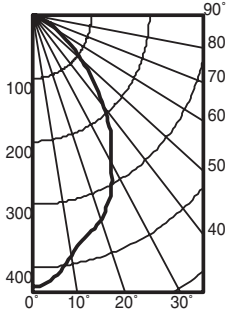


Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap Trim: 7-1/2 (19.1)

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

PDTF 1/26TRT 6AR

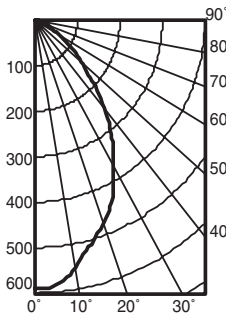
(1) CF26DT/E/IN/835, 1800 lumens per lamp, test no. LTL11853



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	Coefficient of Utilization						50% beam angle			10% beam angle			
							80%		20%		50%		53.3°			93.3°			
							50%	30%	50%	30%	50%	30%	Initial fc	fc at	fc at	Mount	at beam	Beam	beam
0	430		0° - 30°	283.6	15.8	pw	50%	30%	50%	30%	50%	30%	height	center	diameter	edge	diameter	edge	
5	417	39	0° - 40°	427.8	23.8	1	.40	.38	.39	.38	.37	.36	8	14.2	5.5	7.1	11.6	1.4	
15	360	102	0° - 60°	608.9	33.8	2	.36	.34	.35	.33	.34	.32	10	7.6	7.5	3.8	15.9	0.8	
25	314	143	0° - 90°	662.0	36.8	3	.32	.30	.32	.29	.31	.29	12	4.8	9.5	2.4	20.1	0.5	
35	234	144	90° - 180°	0.0	0.0	4	.29	.26	.29	.26	.28	.26	14	3.3	11.5	1.6	24.3	0.3	
45	146	113	0° - 180°	662.0	*36.8	5	.27	.24	.26	.24	.25	.23	16	2.4	13.5	1.2	28.6	0.2	
55	76	68	*Efficiency			6	.24	.22	.24	.21	.23	.21							
65	34	35				7	.22	.20	.22	.19	.22	.19							
75	14	15				8	.21	.18	.20	.18	.20	.18							
85	3	3				9	.19	.16	.19	.16	.19	.16							
90	0					10	.18	.15	.18	.15	.17	.15							

PDTF 1/32TRT 6AR

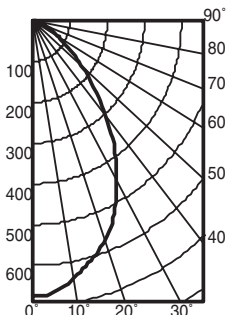
(1) CF32DT/E/IN/835, 2400 lumens per lamp, test no. LTL11851



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	Coefficient of Utilization						50% beam angle			10% beam angle			
							80%		20%		50%		53.2°			92.6°			
							50%	30%	50%	30%	50%	30%	Initial fc	fc at	fc at	Mount	at beam	Beam	beam
0	590		0° - 30°	394.1	16.4	pw	50%	30%	50%	30%	50%	30%	height	center	diameter	edge	diameter	edge	
5	583	55	0° - 40°	589.9	24.6	1	.40	.39	.40	.38	.38	.37	8	19.5	5.5	9.8	11.5	2.0	
15	509	143	0° - 60°	829.2	34.5	2	.36	.34	.36	.34	.34	.33	10	10.5	7.5	5.2	15.7	1.0	
25	431	196	0° - 90°	899.9	37.5	3	.33	.30	.32	.30	.31	.29	12	6.5	9.5	3.3	19.9	0.7	
35	317	196	90° - 180°	0.0	0.0	4	.30	.27	.29	.27	.29	.26	14	4.5	11.5	2.2	24.1	0.4	
45	192	149	0° - 180°	899.9	*37.5	5	.27	.24	.27	.24	.26	.24	16	3.2	13.5	1.6	28.2	0.3	
55	100	90	*Efficiency			6	.25	.22	.25	.22	.24	.22							
65	45	46				7	.23	.20	.23	.20	.22	.20							
75	18	20				8	.21	.18	.21	.18	.21	.18							
85	4	5				9	.20	.17	.20	.17	.19	.17							
90	0					10	.18	.16	.18	.16	.18	.16							

PDTF 1/42TRT 6AR

(1) CF42DT/E/IN/835, 3200 lumens per lamp, test no. LTL11854



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	Coefficient of Utilization						50% beam angle			10% beam angle			
							80%		20%		50%		55.2°			93.5°			
							50%	30%	50%	30%	50%	30%	Initial fc	fc at	fc at	Mount	at beam	Beam	beam
0	673		0° - 30°	470.3	14.7	pw	50%	30%	50%	30%	50%	30%	height	center	diameter	edge	diameter	edge	
5	668	63	0° - 40°	707.7	22.1	1	.36	.35	.36	.35	.34	.33	8	22.2	5.8	11.1	11.7	2.2	
15	607	171	0° - 60°	995.2	31.1	2	.33	.31	.32	.30	.31	.30	10	12.0	7.8	6.0	16.0	1.2	
25	520	237	0° - 90°	1079.4	33.7	3	.30	.27	.29	.27	.28	.26	12	7.5	9.9	3.7	20.2	0.7	
35	385	237	90° - 180°	0.0	0.0	4	.27	.24	.26	.24	.26	.24	14	5.1	12.0	2.5	24.5	0.5	
45	233	180	0° - 180°	1079.4	*33.7	5	.24	.22	.24	.22	.23	.21	16	3.7	14.1	1.8	28.7	0.4	
55	119	107	*Efficiency			6	.22	.20	.22	.20	.22	.19							
65	54	55				7	.21	.18	.20	.18	.20	.18							
75	22	24				8	.19	.17	.19	.16	.18	.16							
85	4	5				9	.18	.15	.18	.15	.17	.15							
90	0					10	.16	.14	.16	.14	.16	.14							

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 report