



Gotham Architectural Downlighting  
Renovation Decorative Compact Fluorescent Downlights

**6" PDTFI**  
**Ice™ Turbo**

Horizontal Triple-Tube Lamp

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**

- Pre-wire galvanized steel junction box mounted to reflector provided with removable access cover. No. 12 AWG conductors rated for 90°C.
- Three (3) swinggate brackets allow for installation from below the ceiling. Suitable for ceiling thickness ranging from 5/8" (1.59cm) to 1" (2.54cm).

**ELECTRICAL SYSTEM**

- Horizontally-mounted, positive-latch, thermoplastic socket.
- Thermally protected, high power factor electronic ballast (50/60Hz) mounted to the junction box.

**LISTING**

- Fixtures are UL Listed, Non-IC recessed mounting and damp locations.

**WARRANTY**

- 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

ORDERING INFORMATION

**EXAMPLE: PDTFI 1/32TRT 6AR MVOLT**

Series	Lamp/Wattage	Aperture/Trim	Voltage	Ballast	Options		
PDTFI	1/18TRT	6AR Clear	MVOLT <sup>1</sup> 120 277	(blank)	Electronic ballast	TRW	White painted flange
	1/26TRT			ADEZ <sup>2</sup>	Advance Mark 10® electronic dimming ballast. Minimum dimming level 5%	WLP	With 3500 K lamp (shipped separately)
	1/32TRT			ECOS	Lutron EcoSystem® electronic dimming ballast. Minimum dimming level 5%.	GMF <sup>2</sup>	Single, slow-blow fuse
	1/42TRT					GLR <sup>2</sup>	Single, fast-blow fuse
					GSKT	Foam gasketing, ships uninstalled	

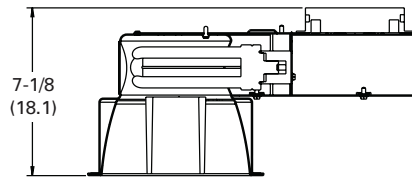
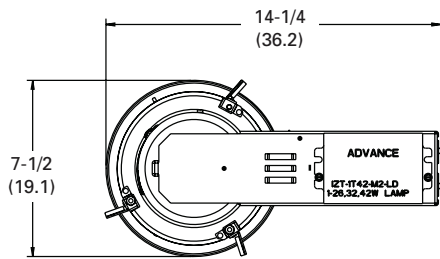
NOTES

**ORDERING NOTES**

1. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.
2. Available in 120V or 277V only.

DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.

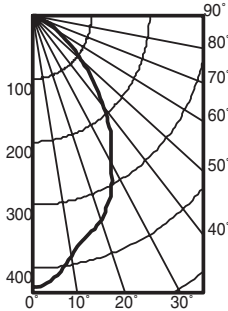


- Aperture: 6-1/4 (15.9)
- Ceiling Opening: 6-7/8 (17.5)
- Overlap Trim: 7-1/2 (19.1)

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

**PDTFI 1/26TRT 6AR**

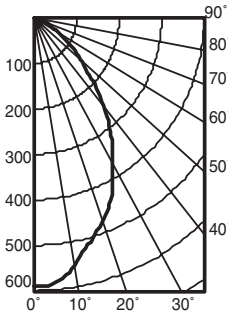
(1) CF26DT/E/IN/835, 1800 lumens per lamp, Test no. LTL11853



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	80%				20%				50% beam angle			10% beam angle				
							50%		30%		70%		30%		50%		53.3°			93.3°		
							pc	pw	pc	pw	pc	pw	pc	pw	Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge		
0	430		0° - 30°	283.6	15.8	1	.40	.38	.39	.38	.37	.36										
5	417	39	0° - 40°	427.8	23.8	2	.36	.34	.35	.33	.34	.32	8	14.2	5.5	7.1	11.6	1.4				
15	360	102	0° - 60°	608.9	33.8	3	.32	.30	.32	.29	.31	.29	10	7.6	7.5	3.8	15.9	0.8				
25	314	143	0° - 90°	662.0	36.8	4	.29	.26	.29	.26	.28	.26	12	4.8	9.5	2.4	20.1	0.5				
35	234	144	90° - 180°	0.0	0.0	5	.27	.24	.26	.24	.25	.23	14	3.3	11.5	1.6	24.3	0.3				
45	146	113	0° - 180°	662.0	*36.8	6	.24	.22	.24	.21	.23	.21	16	2.4	13.5	1.2	28.6	0.2				
55	76	68				*Efficiency	7	.22	.20	.22	.19	.22	.19									
65	34	35					8	.21	.18	.20	.18	.20	.18									
75	14	15					9	.19	.16	.19	.16	.19	.16									
85	3	3					10	.18	.15	.18	.15	.17	.15									
90	0																					

**PDTFI 1/32TRT 6AR**

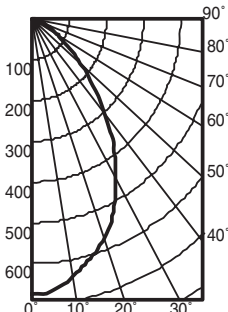
(1) CF32DT/E/IN/835, 2400 lumens per lamp, Test no. LTL11851



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	80%				20%				50% beam angle			10% beam angle				
							50%		30%		70%		30%		50%		53.2°			92.6°		
							pc	pw	pc	pw	pc	pw	pc	pw	Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge		
0	590		0° - 30°	394.1	16.4	1	.40	.39	.40	.38	.38	.37										
5	583	55	0° - 40°	589.9	24.6	2	.36	.34	.36	.34	.34	.33	8	19.5	5.5	9.8	11.5	2.0				
15	509	143	0° - 60°	829.2	34.5	3	.33	.30	.32	.30	.31	.29	10	10.5	7.5	5.2	15.7	1.0				
25	431	196	0° - 90°	899.9	37.5	4	.30	.27	.29	.27	.29	.26	12	6.5	9.5	3.3	19.9	0.7				
35	317	196	90° - 180°	0.0	0.0	5	.27	.24	.27	.24	.26	.24	14	4.5	11.5	2.2	24.1	0.4				
45	192	149	0° - 180°	899.9	*37.5	6	.25	.22	.25	.22	.24	.22	16	3.2	13.5	1.6	28.2	0.3				
55	100	90				*Efficiency	7	.23	.20	.23	.20	.22	.20									
65	45	46					8	.21	.18	.21	.18	.21	.18									
75	18	20					9	.20	.17	.20	.17	.19	.17									
85	4	5					10	.18	.16	.18	.16	.18	.16									
90	0																					

**PDTFI 1/42TRT 6AR**

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



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	80%				20%				50% beam angle			10% beam angle				
							50%		30%		70%		30%		50%		55.2°			93.5°		
							pc	pw	pc	pw	pc	pw	pc	pw	Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge		
0	673		0° - 30°	470.3	14.7	1	.36	.35	.36	.35	.34	.33										
5	668	63	0° - 40°	707.7	22.1	2	.33	.31	.32	.30	.31	.30	8	22.2	5.8	11.1	11.7	2.2				
15	607	171	0° - 60°	995.2	31.1	3	.30	.27	.29	.27	.28	.26	10	12.0	7.8	6.0	16.0	1.2				
25	520	237	0° - 90°	1079.4	33.7	4	.27	.24	.26	.24	.26	.24	12	7.5	9.9	3.7	20.2	0.7				
35	385	237	90° - 180°	0.0	0.0	5	.24	.22	.24	.22	.23	.21	14	5.1	12.0	2.5	24.5	0.5				
45	233	180	0° - 180°	1079.4	*33.7	6	.22	.20	.22	.20	.22	.19	16	3.7	14.1	1.8	28.7	0.4				
55	119	107				*Efficiency	7	.21	.18	.20	.18	.20	.18									
65	54	55					8	.19	.17	.19	.16	.18	.16									
75	22	24					9	.18	.15	.18	.15	.17	.15									
85	4	5					10	.16	.14	.16	.14	.16	.14									
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.