



Gotham Architectural Downlighting  
International - Install from Below  
Decorative Compact Fluorescent Downlights

**8" 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 provided for optimal fixture efficiency and the reduction of stray light in the plenum.

**MECHANICAL**

- Pre-wired galvanized steel junction box mount 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(s).
- Thermally protected, high power factor electronic ballast (50/60Hz) mounted to the junction box.
- Eurostyle terminal block included for power supply and ground connections.

**LISTING**

- Fixtures are CE listed, 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)

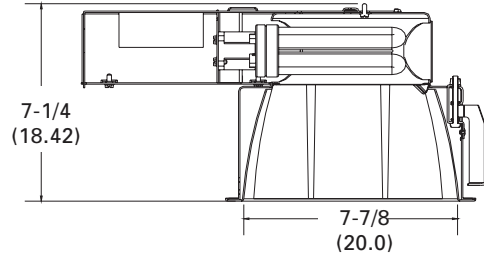
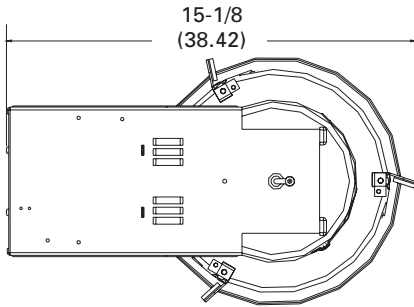
ORDERING INFORMATION

**EXAMPLE: PDTFI 1/32TRT 8AR 220**

Series	Lamp/Wattage	Aperture/Trim	Voltage	Ballast	Options
<b>PDTFI</b>	1/18TRT	<b>8AR</b> Clear	<b>220</b>	<b>VDB</b> (blank) GEB10 standard, electronic ballast Vossloh 0-10V dimming ballast	<b>TRW</b> White painted flange <b>WLP</b> With 3500 K lamp (shipped separately) <b>GSKT</b> Foam gasketing, ships uninstalled
	1/26TRT				
	1/32TRT				
	1/42TRT				
	1/57TRT				
	2/18TRT				
	2/26TRT				
	2/32TRT				
	2/42TRT				

DIMENSIONAL DATA

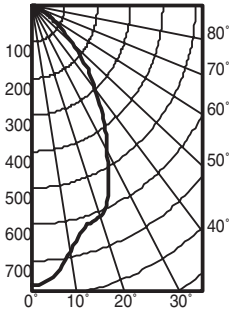
All dimensions are inches (centimeters) unless otherwise noted.



Aperture: 7-7/8 (20.0)  
Ceiling Opening: 8-5/8 (21.9)  
Overlap Trim: 9-1/4 (23.5)

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

**PDTFI 1/32TRT 8AR**    (1) CF32DT/E/IN/835, 2400 lumens per lamp, Test no. LTL11858



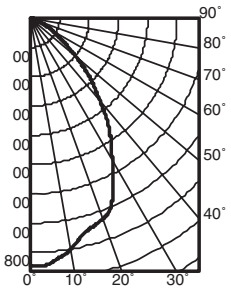
From 0°	Ave	Lumens	Zone	Lumens	% Lamp
0	767		0° - 30°	499.5	20.8
5	746	69	0° - 40°	736.0	30.7
15	629	179	0° - 60°	1012.1	42.2
25	555	251	0° - 90°	1078.1	44.9
35	381	237	90° - 180°	0.0	0.0
45	235	179	0° - 180°	1078.1	*44.9
55	106	97			*Efficiency
65	44	44			
75	16	17			
85	3	4			
90	0				

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

Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	25.4	5.4	12.7	11.3	2.5
10	13.6	7.4	6.8	15.4	1.4
12	8.5	9.4	4.3	19.5	0.8
14	5.8	11.3	2.9	23.6	0.6
16	4.2	13.3	2.1	27.7	0.4

**PDTFI 1/42TRT 8AR**    (1) CF42DT/E/IN/835, 3200 lumens per lamp, Test no. LTL11899



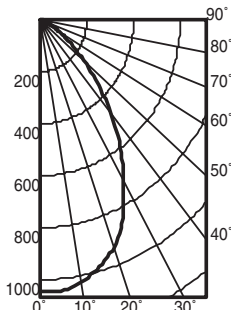
From 0°	Ave	Lumens	Zone	Lumens	% Lamp
0	843		0° - 30°	594.2	18.6
5	838	79	0° - 40°	885.9	27.7
15	750	213	0° - 60°	1228.8	38.4
25	667	302	0° - 90°	1319.9	41.2
35	472	292	90° - 180°	0.0	0.0
45	287	219	0° - 180°	1319.9	*41.2
55	135	124			*Efficiency
65	59	60			
75	23	25			
85	5	6			
90	0				

pf	pc	20%				50% beam angle	10% beam angle
		80%		70%			
pw	50%	30%	50%	30%	50%	30%	
							1
2	.40	.38	.39	.37	.38	.36	
3	.36	.34	.36	.33	.35	.33	
4	.33	.30	.33	.30	.32	.29	
5	.30	.27	.30	.27	.29	.26	
6	.28	.25	.27	.24	.27	.24	
7	.26	.22	.25	.22	.25	.22	
8	.24	.21	.23	.20	.23	.20	
9	.22	.19	.22	.19	.21	.19	
10	.20	.18	.20	.17	.20	.17	

Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	27.9	5.8	13.9	11.6	2.8
10	15.0	7.9	7.5	15.9	1.5
12	9.3	10.0	4.7	20.1	0.9
14	6.4	12.1	3.2	24.3	0.6
16	4.6	14.2	2.3	28.5	0.5

**PDTFI 2/32TRT 8AR,**    (2) CF32DT/E/IN/835, 2400 lumens per lamp, Test no. LTL11861



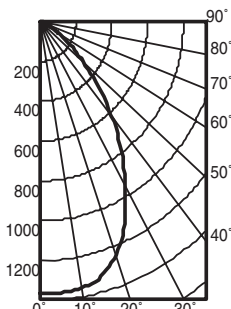
From 0°	Ave	Lumens	Zone	Lumens	% Lamp
0	1042		0° - 30°	756.8	15.8
5	1048	99	0° - 40°	1127.9	23.5
15	983	276	0° - 60°	1545.7	32.2
25	839	382	0° - 90°	1645.2	34.3
35	597	371	90° - 180°	0.0	0.0
45	352	272	0° - 180°	1645.2	*34.3
55	158	146			*Efficiency
65	65	67			
75	24	27			
85	5	6			
90	0				

pf	pc	20%				50% beam angle	10% beam angle
		80%		70%			
pw	50%	30%	50%	30%	50%	30%	
							1
2	.34	.32	.33	.31	.32	.30	
3	.30	.28	.30	.28	.29	.27	
4	.28	.25	.27	.25	.27	.25	
5	.25	.23	.25	.23	.24	.22	
6	.23	.21	.23	.21	.22	.20	
7	.21	.19	.21	.19	.21	.19	
8	.20	.17	.20	.17	.19	.17	
9	.18	.16	.18	.16	.18	.16	
10	.17	.15	.17	.15	.17	.15	

Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	34.4	5.9	17.2	11.6	3.4
10	18.5	8.0	9.3	15.8	1.9
12	11.5	10.2	5.8	20.0	1.2
14	7.9	12.3	3.9	24.2	0.8
16	5.7	14.5	2.9	28.4	0.6

**PDTFI 2/42TRT 8AR**    (2) CF42DT/E/IN/835, 3200 lumens per lamp, Test no. LTL11860



From 0°	Ave	Lumens	Zone	Lumens	% Lamp
0	1359		0° - 30°	1009.3	15.8
5	1365	130	0° - 40°	1500.8	23.5
15	1322	370	0° - 60°	2044.8	32.0
25	1119	509	0° - 90°	2173.9	34.0
35	792	492	90° - 180°	0.0	0.0
45	461	355	0° - 180°	2173.9	*34.0
55	205	189			*Efficiency
65	85	86			
75	32	34			
85	7	8			
90	0				

pf	pc	20%				50% beam angle	10% beam angle
		80%		70%			
pw	50%	30%	50%	30%	50%	30%	
							1
2	.33	.32	.33	.31	.32	.30	
3	.30	.28	.30	.28	.29	.27	
4	.28	.25	.27	.25	.26	.24	
5	.25	.23	.25	.22	.24	.22	
6	.23	.21	.23	.20	.22	.20	
7	.21	.19	.21	.19	.21	.18	
8	.20	.17	.20	.17	.19	.17	
9	.18	.16	.18	.16	.18	.16	
10	.17	.15	.17	.15	.17	.15	

Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	44.9	6.0	22.5	11.6	4.5
10	24.2	8.1	12.1	15.8	2.4
12	15.1	10.3	7.5	20.0	1.5
14	10.3	12.5	5.1	24.2	1.0
16	7.5	14.7	3.7	28.4	0.7

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.