

FEATURES

OPTICAL SYSTEM

- Reflector System - Self-flanged, highly reflective/diffuse white painted cone. Outside of inner reflector is white with semi-specular or matte-diffuse inner surface finish. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of the reflector to bottom.
- Inner reflector is field adjustable to three settings that place the reflector flush with the ceiling, 1/2" or 1" below the ceiling.
- Acrylic diffuser retains inner reflector.
- Diffuser provides direct/indirect luminaire performance. Clear (WHT - Snow), blue (BLU - Sky), green (GRN - Sea) or tan (TAN - Sand) or red (RBY - Ruby) diffusers add visual interest.
- Hinged lampdoor provided for optimal fixture efficiency and the reduction of stray light in the plenum.

MECHANICAL SYSTEM

- Pre-wired galvanized steel junction box mounted to reflector 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, Non-IC recessed mounting and damp locations.

All dimensions are inches (centimeters).

Aperture: 7-7/8 (20)
Ceiling Opening: 8-5/8 (21.9)
Overlap Trim: 9-1/4 (23.5)

Type

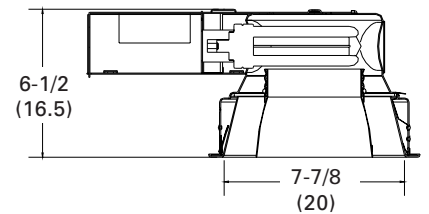
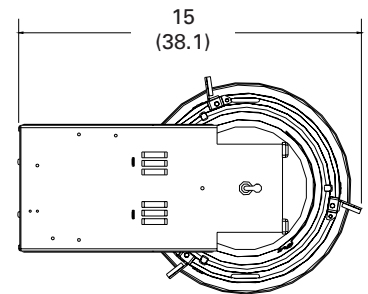
Catalog number

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International - Install from Below Decorative Compact Fluorescent Downlights

8" PDGFI

Candéo® - Open Reflector
Horizontal Triple-Tube Lamp



ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number (shipped separately).

Example: **PDGFI 1/32TRT 8AR WHT 220**

PDGFI		8AR							
Series	Wattage/Lamp	Aperture/Trim color	Finish	Color ¹	Ballast	Options			
PDGFI	1/18TRT 1/26TRT 1/32TRT 1/42TRT 2/18TRT 2/26TRT 2/32TRT 2/42TRT	8AR Clear	(blank) Semi-specular LD Matte-diffuse	WHT Snow GRN Sea BLU Sky TAN Sand RBY Ruby	(blank) Electronic ballast VDB Vossloh 0-10V dimming ballast	GSKT Foam gasketing WLP With 3500°K lamp (shipped separately) CAL Clear acrylic lens			
					Voltage				
					220 240				

NOTES

1 Consult factory for additional colors.

8" PDGFI Candéo® Open Reflector

Distribution curve Distribution data Output data Coefficient of utilization Illuminance Data at 30" Above Floor for a Single Luminaire

PDGFI 2/42TRT 8AR WHT "CANDÉO" CLEAR LENS, (2) CF42DT/E/IN/835, 3200 lumens per lamp, Pos. #1 (flush), Test No. LTL11452

Distribution Curve	Distribution Data			Output Data			Coefficient of Utilization						Illuminance Data at 30" Above Floor for a Single Luminaire						
	From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	80%		20%		50% beam angle		10% beam angle					
								50%	30%	50%	30%	50%	30%	50%	30%	50%	30%		
	0	1573		0° - 30°	1239.2	19.4	1	.42	.41	.42	.41	.40	.39	Initial fc					
	5	1609	155	0° - 40°	1817.0	28.4	2	.39	.37	.38	.36	.37	.35	Mount at beam					
	15	1632	458	0° - 60°	2411.4	37.7	3	.35	.33	.35	.33	.34	.32	height	center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
	25	1380	627	0° - 90°	2496.2	39.0	4	.32	.30	.32	.29	.31	.29	8	52.0	6.2	26.0	11.7	5.2
	35	923	578	90° - 180°	0.0	0.0	5	.30	.27	.29	.27	.28	.26	10	28.0	8.4	14.0	15.9	2.8
	45	530	419	0° - 180°	2496.2	*39.0	6	.27	.24	.27	.24	.26	.24	12	17.4	10.6	8.7	20.1	1.7
	55	180	176				7	.25	.22	.25	.22	.24	.22	14	11.9	12.9	5.9	24.4	1.2
	65	49	51				8	.23	.21	.23	.21	.23	.20	16	8.6	15.1	4.3	28.6	0.9
	75	25	26				9	.22	.19	.22	.19	.21	.19						
	85	7	8				10	.20	.18	.20	.18	.20	.17						
90	0																		

PDGFI 1/42TRT 8AR WHT "CANDÉO" CLEAR LENS, (1) CF42DT/E/IN/835, 3200 lumens per lamp, Pos. #1 (flush), Test No. LTL11461

Distribution Curve	Distribution Data			Output Data			Coefficient of Utilization						Illuminance Data at 30" Above Floor for a Single Luminaire						
	From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	80%		20%		50% beam angle		10% beam angle					
								50%	30%	50%	30%	50%	30%	50%	30%				
	0	1284		0° - 30°	908.6	28.4	1	.62	.60	.61	.59	.58	.57	Initial fc					
	5	1291	123	0° - 40°	1307.6	40.9	2	.56	.54	.55	.53	.53	.51	Mount at beam					
	15	1251	348	0° - 60°	1757.3	54.9	3	.51	.48	.51	.47	.49	.46	height	center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
	25	956	437	0° - 90°	1818.0	56.8	4	.47	.43	.46	.43	.45	.42	8	42.4	5.5	21.2	11.5	4.2
	35	629	399	90° - 180°	0.0	0.0	5	.43	.39	.43	.39	.42	.38	10	22.8	7.5	11.4	15.6	2.3
	45	420	317	0° - 180°	1818.0	*56.8	6	.40	.36	.39	.36	.38	.35	12	14.2	9.5	7.1	19.8	1.4
	55	133	132				7	.37	.33	.36	.33	.36	.32	14	9.7	11.5	4.9	24.0	1.0
	65	36	37				8	.34	.30	.34	.30	.33	.30	16	7.0	13.5	3.5	28.1	0.7
	75	18	19				9	.32	.28	.32	.28	.31	.28						
	85	4	5				10	.30	.26	.30	.26	.29	.26						
90	0																		

PDGFI 1/42TRT 8AR WHT "CANDÉO" CLEAR LENS, (1) CF42DT/E/IN/835, 3200 lumens per lamp, Pos. #3 (drop), Test No. LTL11462

Distribution Curve	Distribution Data			Output Data			Coefficient of Utilization						Illuminance Data at 30" Above Floor for a Single Luminaire						
	From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	80%		20%		50% beam angle		10% beam angle					
								50%	30%	50%	30%	50%	30%	50%	30%				
	0	1394		0° - 30°	899.4	28.1	1	.62	.60	.60	.59	.58	.57	Initial fc					
	5	1386	131	0° - 40°	1281.4	40.0	2	.56	.53	.55	.52	.53	.51	Mount at beam					
	15	1235	344	0° - 60°	1723.1	53.8	3	.51	.48	.50	.47	.49	.46	height	center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
	25	931	424	0° - 90°	1822.1	56.9	4	.47	.43	.46	.42	.45	.42	8	46.1	5.1	23.0	10.9	4.6
	35	604	382	90° - 180°	3.9	0.1	5	.43	.39	.42	.39	.41	.38	10	24.8	7.0	12.4	14.9	2.5
	45	384	300	0° - 180°	1826.1	*57.1	6	.40	.35	.39	.35	.38	.35	12	15.4	8.8	7.7	18.9	1.5
	55	147	142				7	.37	.33	.36	.32	.35	.32	14	10.5	10.7	5.3	22.8	1.1
	65	52	54				8	.34	.30	.34	.30	.33	.29	16	7.6	12.5	3.8	26.8	0.8
	75	29	31				9	.32	.28	.31	.28	.31	.27						
	85	13	14				10	.30	.26	.29	.26	.29	.25						
90	7																		

PDGFI 1/42TRT 8AR WHT "CANDÉO" CLEAR LENS, (1) CF42DT/E/IN/835, 2400 lumens per lamp, Pos. #1 (flush), Test No. LTL11473

Distribution Curve	Distribution Data			Output Data			Coefficient of Utilization						Illuminance Data at 30" Above Floor for a Single Luminaire						
	From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	80%		20%		50% beam angle		10% beam angle					
								50%	30%	50%	30%	50%	30%	50%	30%				
	0	949		0° - 30°	661.2	27.6	1	.60	.58	.59	.57	.56	.55	Initial fc					
	5	955	91	0° - 40°	950.2	39.6	2	.55	.52	.54	.51	.52	.50	Mount at beam					
	15	919	255	0° - 60°	1275.6	53.2	3	.50	.46	.49	.46	.47	.45	height	center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
	25	687	314	0° - 90°	1319.2	55.0	4	.46	.42	.45	.42	.44	.41	8	31.4	5.4	15.7	11.4	3.1
	35	456	289	90° - 180°	0.0	0.0	5	.42	.38	.41	.38	.40	.37	10	16.9	7.4	8.4	15.6	1.7
	45	309	230	0° - 180°	1319.2	*55.0	6	.39	.35	.38	.34	.37	.34	12	10.5	9.3	5.3	19.7	1.1
	55	95	95				7	.36	.32	.35	.32	.35	.31	14	7.2	11.3	3.6	23.9	0.7
	65	26	27				8	.33	.29	.33	.29	.32	.29	16	5.2	13.2	2.6	28.0	0.5
	75	13	13				9	.31	.27	.31	.27	.30	.27						
	85	3	4				10	.29	.25	.29	.25	.28	.25						
90	0																		

To calculate colored lens efficiencies, multiply the standard white efficiency by these factors:

Sky (BLU)	.709
Sea (GRN)	.720
Sand (TAN)	.864

NOTES:

- 1 For electrical characteristics, refer to Technical Bulletins tab.
- 2 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.
- 3 Consult factory or IES file for other photometric reports.

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GOTHAM ARCHITECTURAL DOWNLIGHTING
A DIVISION OF ACUITY LIGHTING GROUP, INC.
1400 Lester Road Conyers Georgia 30012
P 800 315 4982 F 770 860 3129
www.gothamlighting.com