FEATURES

GLASS SHADE

- Semi-recessed shade is pressed, colored glass with an acid etched exterior finish and a matte white glazed interior décor. Available in white, amber and blue.
- Minimum flange with textured polyester powder paint finish available in matte white, matte black or satin silver.

MECHANICAL SYSTEM

- 16-gauge painted steel mounting/plaster frame with integral brackets to retain glass shade. 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 hinged access covers and spring latch. Two combination 1/2"-3/4" and two 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.

ELECTRICAL SYSTEM

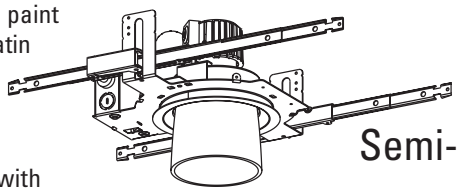
- Medium-base porcelain socket with nickel-plated screw shell.
- Thermally activated insulation detector.

LISTING

- Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Type ..... Catalog number .....

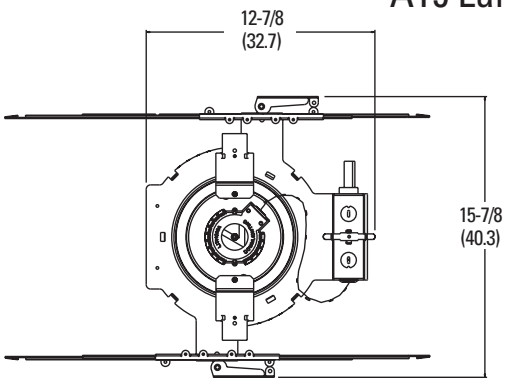
Decorative Incandescent Downlights



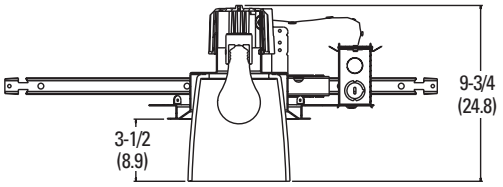
6" PDRGA

Semi-recessed Glass Shade

A19 Lamp



All dimensions are inches (centimeters)



Overall Diameter: 5-7/8 (15.0)
Ceiling Opening: 7-1/8 (18.1)
Overlap Trim: 7-7/8 (20.0)

ORDERING INFORMATION

Example: **PDRGA 6WG DBLB**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line.

PDRGA

Series[1]
PDRGA

Shade color
6WG White glass
6AG Amber glass
6BG Blue glass

Flange color
DWHG Matte white
DBLB Matte black
DNAS Satin silver

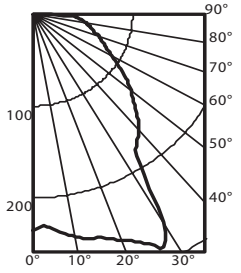
Options
SDT Stepdown transformer (277V to 120V)
SDT347 Stepdown transformer (347V to 120V; 75W Max.)
SF Single fuse
LRC[2] Provides compatibility with Lithonia Reloc® System. Lithonia Reloc System can be installed less this option with connectors provided by others. Access above ceiling required
CP Chicago Plenum

NOTES
1 Maximum wattage: 100W.
2 For compatible Reloc systems, refer to Technical Bulletins tab.

6" PDRGA Semi-recessed Glass Shade

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

PDRGA 6WG, 100A19 white glass, 1720 rated lumens, 1.3 s/mh, Test No. LTL15770



From 0°	Ave	Lumens
0	236	
5	235	23
15	252	72
25	276	127
35	180	120
45	146	113
55	110	98
65	80	79
75	61	65
85	45	46
90	0	

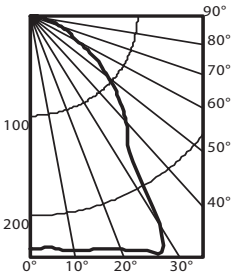
Zone	Lumens	% Lamp
0° - 30°	221.4	12.9
0° - 40°	341.4	19.8
0° - 60°	552.1	32.1
0° - 90°	741.5	43.1
90° - 180°	0.0	0.0
0° - 180°	741.5	*43.1

*Efficiency

pf			20%			
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.44	.42	.43	.41	.41	.39
2	.38	.35	.37	.34	.36	.33
3	.34	.30	.33	.29	.32	.29
4	.30	.26	.29	.26	.28	.25
5	.27	.23	.26	.23	.25	.22
6	.24	.20	.24	.20	.23	.20
7	.22	.18	.22	.18	.21	.18
8	.20	.16	.20	.16	.19	.16
9	.19	.15	.18	.15	.18	.15
10	.17	.14	.17	.14	.16	.13

		50% beam angle 66.1°		10% beam angle 107.6°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	7.8	7.2	3.9	15.0	0.8
10	4.2	9.8	2.1	20.5	0.4
12	2.6	12.4	1.3	25.9	0.3
14	1.8	15.0	0.9	31.4	0.2
16	1.3	17.6	0.6	36.9	0.1

PDRGA 6BG, 100A19 blue glass, 1720 rated lumens, 1.3 s/mh, Test No. LTL15771



From 0°	Ave	Lumens
0	234	
5	233	23
15	241	69
25	260	119
35	158	106
45	117	90
55	75	66
65	40	40
75	19	21
85	5	6
90	0	

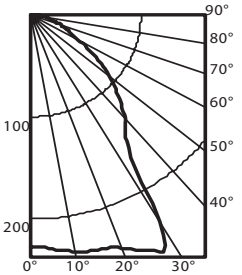
Zone	Lumens	% Lamp
0° - 30°	210.1	12.2
0° - 40°	315.6	18.4
0° - 60°	472.1	27.4
0° - 90°	538.4	31.3
90° - 180°	0.0	0.0
0° - 180°	538.4	*31.3

*Efficiency

pf			20%			
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.33	.32	.33	.32	.31	.30
2	.30	.28	.29	.27	.28	.27
3	.27	.24	.26	.24	.25	.23
4	.24	.21	.23	.21	.23	.21
5	.22	.19	.21	.19	.21	.19
6	.20	.17	.19	.17	.19	.17
7	.18	.15	.18	.15	.17	.15
8	.17	.14	.16	.14	.16	.14
9	.15	.13	.15	.13	.15	.13
10	.14	.12	.14	.12	.14	.12

		50% beam angle 64.2°		10% beam angle 101.5°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	7.7	6.9	3.9	13.5	0.8
10	4.2	9.4	2.1	18.3	0.4
12	2.6	11.9	1.3	23.2	0.3
14	1.8	14.4	0.9	28.1	0.2
16	1.3	16.9	0.6	33.0	0.1

PDRGA 6AG, 100A19 amber glass, 1720 rated lumens, 1.2 s/mh, Test No. LTL15772



From 0°	Ave	Lumens
0	227	
5	230	22
15	238	68
25	254	116
35	151	101
45	112	87
55	72	64
65	39	39
75	21	22
85	7	8
90	0	

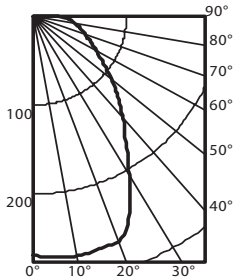
Zone	Lumens	% Lamp
0° - 30°	205.9	12.0
0° - 40°	307.0	17.9
0° - 60°	457.9	26.6
0° - 90°	526.8	30.6
90° - 180°	0.0	0.0
0° - 180°	526.8	*30.6

*Efficiency

pf			20%			
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.32	.31	.32	.31	.31	.30
2	.29	.27	.28	.27	.27	.26
3	.26	.24	.25	.23	.25	.23
4	.23	.21	.23	.21	.22	.20
5	.21	.19	.21	.18	.20	.18
6	.19	.17	.19	.17	.18	.16
7	.18	.15	.17	.15	.17	.15
8	.16	.14	.16	.14	.16	.13
9	.15	.13	.15	.13	.14	.12
10	.14	.12	.14	.12	.13	.11

		50% beam angle 64.0°		10% beam angle 101.5°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	7.5	6.9	3.8	13.5	0.7
10	4.0	9.4	2.0	18.3	0.4
12	2.5	11.9	1.3	23.2	0.3
14	1.7	14.4	0.9	28.1	0.2
16	1.2	16.9	0.6	33.0	0.1

PDRGA 6WG, 100BT15 white glass, 1670 rated lumens, 1.2 s/mh, Test No. LTL15773



From 0°	Ave	Lumens
0	269	
5	271	26
15	271	77
25	244	111
35	173	109
45	128	99
55	92	83
65	68	67
75	52	55
85	38	38
90	0	

Zone	Lumens	% Lamp
0° - 30°	213.6	12.8
0° - 40°	323.0	19.3
0° - 60°	504.9	30.2
0° - 90°	665.7	39.9
90° - 180°	0.0	0.0
0° - 180°	665.7	*39.9

*Efficiency

pf			20%			
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
1	.41	.39	.40	.38	.38	.37
2	.36	.33	.35	.32	.33	.31
3	.31	.28	.31	.28	.30	.27
4	.28	.25	.28	.24	.27	.24
5	.25	.22	.25	.21	.24	.21
6	.23	.19	.23	.19	.22	.19
7	.21	.18	.21	.17	.20	.17
8	.19	.16	.19	.16	.18	.16
9	.18	.15	.18	.14	.17	.14
10	.16	.13	.16	.13	.16	.13

		50% beam angle 59.8°		10% beam angle 101.5°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	8.9	6.3	4.4	13.5	0.9
10	4.8	8.6	2.4	18.3	0.5
12	3.0	10.9	1.5	23.2	0.3
14	2.0	13.2	1.0	28.1	0.2
16	1.5	15.5	0.7	33.0	0.1

ENERGY (Calculated in accordance with NEMA standard LE-5A)

LER.DOH	Annual* Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
7	$32.37	(1) 100W A19	1720	n/a	100
7	$36.02	(1) 100W BT15	1670	n/a	100

*Comparative yearly lighting energy cost per 1000 lumens

NOTES:
1. For electrical characteristics consult 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 of IES file for other photometric reports.

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