

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 four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.

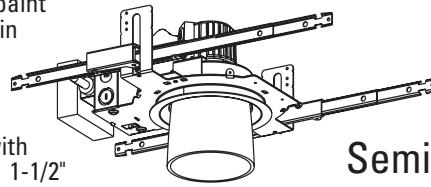
ELECTRICAL SYSTEM

- Medium-base porcelain socket with nickel-plated screw shell.
- Pre-wired, electronic, 120 or 277V ballast module is standard. Assembly can be attached before or after mounting of mounting/plaster frame.
- 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



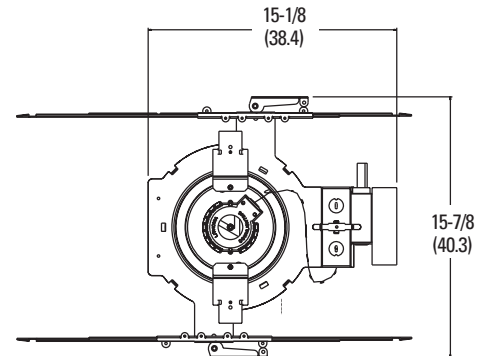
Decorative HID Downlights

6" PDRGH

Semi-recessed Glass Shade

ED17 Lamp

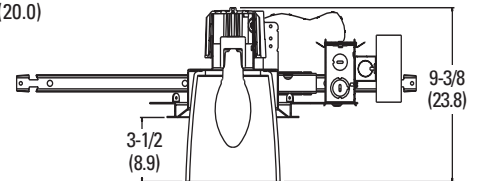
All dimensions are inches (centimeters)



Overall Diameter: 5-7/8 (11.0)

Ceiling opening: 7-1/8 (18.1)

Overlap trim: 7-7/8 (20.0)



ORDERING INFORMATION

Example: **PDRGH 50M 6WG DBLB 120**

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

PDRGH

| Series | Wattage/Lamp ¹ | Shade color | Flange color | Voltage | Ballast | Options |
|--------------|--|---|--|--|--|--|
| PDRGH | Metal Halide (ED17) 50M 70M Color-corrected Metal Halide (ED17) 70MHC | 6WG White glass 6AG Amber glass 6BG Blue glass | DWHG Matte white DBLB Matte black DNAS Satin silver | 120 277 347² | (blank) Electronic ballast EMB Electro-magnetic ballast | SF Single fuse WLP 3000°K Lamp (shipped separately) LRC³ 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 Recommended for use with coated lamps. Open rated lamps required.
- 2 Available only with EMB.
- 3 For compatible Reloc systems, refer to Technical Bulletins tab.

6" PDRGH Semi-recessed Glass Shade

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

PDRGH 6WG, 70M white glass, 5500 rated lumens, 1.4 s/mh, Test No. LTL15776

| 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% | | 50% beam angle | | 10% beam angle | | | |
| | | | | | | | | 50% | 30% | 50% | 30% | 50% | 30% | 70.3° | 112.0° | | | | |
| | 0 | 643 | | 0° - 30° | 606.2 | 11.0 | 1 | .43 | .41 | .42 | .40 | .40 | .39 | Mount at height | Initial fc at beam center | Beam diameter | fc at beam edge | Beam diameter | fc at beam edge |
| | 5 | 650 | 63 | 0° - 40° | 990.9 | 18.0 | 2 | .37 | .34 | .36 | .33 | .35 | .32 | 8 | 21.3 | 7.8 | 10.6 | 16.3 | 2.1 |
| | 15 | 688 | 196 | 0° - 60° | 1708.8 | 31.1 | 3 | .33 | .29 | .32 | .28 | .31 | .28 | 10 | 11.4 | 10.6 | 5.7 | 22.3 | 1.1 |
| | 25 | 745 | 347 | 0° - 90° | 2346.5 | 42.7 | 4 | .29 | .25 | .28 | .25 | .27 | .24 | 12 | 7.1 | 13.4 | 3.6 | 28.2 | 0.7 |
| | 35 | 590 | 385 | 90° - 180° | 0.0 | 0.0 | 5 | .26 | .22 | .25 | .21 | .24 | .21 | 14 | 4.9 | 16.2 | 2.4 | 34.1 | 0.5 |
| | 45 | 493 | 380 | 0° - 180° | 2346.5 | *42.7 | 6 | .23 | .19 | .23 | .19 | .22 | .19 | 16 | 3.5 | 19.0 | 1.8 | 40.1 | 0.4 |
| | 55 | 380 | 338 | | | | 7 | .21 | .17 | .21 | .17 | .20 | .17 | | | | | | |
| | 65 | 267 | 266 | | | *E efficiency | 8 | .19 | .15 | .19 | .15 | .18 | .15 | | | | | | |
| | 75 | 206 | 218 | | | | 9 | .18 | .14 | .17 | .14 | .17 | .14 | | | | | | |
| | 85 | 153 | 154 | | | | 10 | .16 | .13 | .16 | .13 | .16 | .12 | | | | | | |
| 90 | 0 | | | | | | | | | | | | | | | | | | |

PDRGH 6BG, 70M blue glass, 5500 rated lumens, 1.3 s/mh, Test No. LTL15777

| 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% | | 50% beam angle | | 10% beam angle | | | |
| | | | | | | | | 50% | 30% | 50% | 30% | 50% | 30% | 67.2° | 105.7° | | | | |
| | 0 | 627 | | 0° - 30° | 567.3 | 10.3 | 1 | .32 | .31 | .31 | .30 | .30 | .29 | Mount at height | Initial fc at beam center | Beam diameter | fc at beam edge | Beam diameter | fc at beam edge |
| | 5 | 629 | 61 | 0° - 40° | 901.0 | 16.4 | 2 | .28 | .26 | .27 | .26 | .26 | .25 | 8 | 20.7 | 7.3 | 10.4 | 14.5 | 2.1 |
| | 15 | 653 | 186 | 0° - 60° | 1429.8 | 26.0 | 3 | .25 | .23 | .25 | .22 | .24 | .22 | 10 | 11.1 | 10.0 | 5.6 | 19.8 | 1.1 |
| | 25 | 690 | 321 | 0° - 90° | 1641.7 | 29.8 | 4 | .22 | .20 | .22 | .20 | .21 | .19 | 12 | 6.9 | 12.6 | 3.5 | 25.1 | 0.7 |
| | 35 | 509 | 334 | 90° - 180° | 0.0 | 0.0 | 5 | .20 | .18 | .20 | .18 | .19 | .17 | 14 | 4.7 | 15.3 | 2.4 | 30.3 | 0.5 |
| | 45 | 393 | 302 | 0° - 180° | 1641.7 | *29.8 | 6 | .18 | .16 | .18 | .16 | .17 | .15 | 16 | 3.4 | 17.9 | 1.7 | 35.6 | 0.3 |
| | 55 | 256 | 227 | | | *E efficiency | 7 | .17 | .14 | .16 | .14 | .16 | .14 | | | | | | |
| | 65 | 128 | 128 | | | | 8 | .15 | .13 | .15 | .13 | .15 | .13 | | | | | | |
| | 75 | 61 | 65 | | | | 9 | .14 | .12 | .14 | .12 | .14 | .11 | | | | | | |
| | 85 | 16 | 18 | | | | 10 | .13 | .11 | .13 | .11 | .13 | .11 | | | | | | |
| 90 | 0 | | | | | | | | | | | | | | | | | | |

PDRGH 6AG, 70M amber glass, 5500 rated lumens, 1.3 s/mh, Test No. LTL15778

| 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% | | 50% beam angle | | 10% beam angle | | | |
| | | | | | | | | 50% | 30% | 50% | 30% | 50% | 30% | 67.8° | 106.1° | | | | |
| | 0 | 605 | | 0° - 30° | 556.6 | 10.1 | 1 | .31 | .30 | .31 | .30 | .29 | .29 | Mount at height | Initial fc at beam center | Beam diameter | fc at beam edge | Beam diameter | fc at beam edge |
| | 5 | 619 | 60 | 0° - 40° | 885.3 | 16.1 | 2 | .28 | .26 | .27 | .26 | .26 | .25 | 8 | 20.0 | 7.4 | 10.0 | 14.6 | 2.0 |
| | 15 | 638 | 182 | 0° - 60° | 1407.6 | 25.6 | 3 | .25 | .22 | .24 | .22 | .23 | .22 | 10 | 10.8 | 10.1 | 5.4 | 20.0 | 1.1 |
| | 25 | 676 | 315 | 0° - 90° | 1634.2 | 29.7 | 4 | .22 | .20 | .22 | .19 | .21 | .19 | 12 | 6.7 | 12.8 | 3.4 | 25.3 | 0.7 |
| | 35 | 500 | 329 | 90° - 180° | 0.0 | 0.0 | 5 | .20 | .17 | .20 | .17 | .19 | .17 | 14 | 4.6 | 15.5 | 2.3 | 30.6 | 0.5 |
| | 45 | 385 | 297 | 0° - 180° | 1634.2 | *29.7 | 6 | .18 | .16 | .18 | .15 | .17 | .15 | 16 | 3.3 | 18.2 | 1.7 | 35.9 | 0.3 |
| | 55 | 254 | 225 | | | *E efficiency | 7 | .16 | .14 | .16 | .14 | .16 | .14 | | | | | | |
| | 65 | 130 | 130 | | | | 8 | .15 | .13 | .15 | .13 | .14 | .12 | | | | | | |
| | 75 | 66 | 71 | | | | 9 | .14 | .12 | .14 | .11 | .13 | .11 | | | | | | |
| | 85 | 23 | 25 | | | | 10 | .13 | .11 | .13 | .11 | .12 | .10 | | | | | | |
| 90 | 0 | | | | | | | | | | | | | | | | | | |

PDRGH 6WG, 50M white glass, 3450 rated lumens, 1.3 s/mh, Test No. LTL15779

| 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% | | 50% beam angle | | 10% beam angle | | | |
| | | | | | | | | 50% | 30% | 50% | 30% | 50% | 30% | 68.0° | 109.1° | | | | |
| | 0 | 462 | | 0° - 30° | 422.0 | 12.2 | 1 | .44 | .42 | .43 | .41 | .41 | .40 | Mount at height | Initial fc at beam center | Beam diameter | fc at beam edge | Beam diameter | fc at beam edge |
| | 5 | 480 | 46 | 0° - 40° | 672.2 | 19.5 | 2 | .38 | .35 | .38 | .35 | .36 | .33 | 8 | 15.3 | 7.4 | 7.6 | 15.5 | 1.5 |
| | 15 | 495 | 140 | 0° - 60° | 1114.2 | 32.3 | 3 | .34 | .30 | .33 | .30 | .32 | .29 | 10 | 8.2 | 10.1 | 4.1 | 21.1 | 0.8 |
| | 25 | 509 | 236 | 0° - 90° | 1510.8 | 43.8 | 4 | .30 | .26 | .29 | .26 | .28 | .25 | 12 | 5.1 | 12.8 | 2.6 | 26.7 | 0.5 |
| | 35 | 383 | 250 | 90° - 180° | 0.0 | 0.0 | 5 | .27 | .23 | .26 | .23 | .25 | .22 | 14 | 3.5 | 15.5 | 1.7 | 32.3 | 0.3 |
| | 45 | 303 | 234 | 0° - 180° | 1510.8 | *43.8 | 6 | .24 | .20 | .24 | .20 | .23 | .20 | 16 | 2.5 | 18.2 | 1.3 | 37.9 | 0.3 |
| | 55 | 234 | 208 | | | *E efficiency | 7 | .22 | .18 | .22 | .18 | .21 | .18 | | | | | | |
| | 65 | 166 | 165 | | | | 8 | .20 | .16 | .20 | .16 | .19 | .16 | | | | | | |
| | 75 | 128 | 136 | | | | 9 | .19 | .15 | .18 | .15 | .18 | .15 | | | | | | |
| | 85 | 95 | 95 | | | | 10 | .17 | .14 | .17 | .14 | .16 | .13 | | | | | | |
| 90 | 0 | | | | | | | | | | | | | | | | | | |

| ENERGY (Calculated in accordance with NEMA standard LE-5A) | | | | | |
|--|---------------------|-------------|-------------|----------------|-------------|
| LER.DOH | Annual* Energy Cost | Lamps | Lamp Lumens | Ballast Factor | Input Watts |
| 24 | \$10.16 | (1) 26W TRT | 3400 | 1.0 | 64 |
| 30 | \$7.97 | (1) 32W TRT | 5500 | 0.98 | 78 |
| *Comparative yearly lighting energy cost per 1000 lumens | | | | | |

NOTES:

- For electrical characteristics consult Technical Bulletins tab.
- 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.
- Consult factory of IES file for other photometric reports.