

FEATURES

DECORATIVE HOUSING

- Durable, heavy-gauge aluminum housing. Textured polyester powder paint finish available in matte black, satin silver or white.
- Housing available in short or tall configurations to allow for a variety of ceiling height applications.

DECORATIVE ELEMENT

- Four configurations allow customization suitable in any space.
- No Ring (NR): Clean, simple form - no decorative element.
- Soft Ring (S): Subtle, formed black aluminum band. Black polyester powder paint.
- Stacked Rings (C): Four black acrylic rings.
- Gear (G): Precision-formed black aluminum. Black polyester powder paint.

OPTICAL SYSTEM

- Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing.

MOUNTING OPTIONS

- RC72 - 72" black cord is provided for electrical connection between luminaire and 14" canopy/extrusion. Canopy/extrusion mounts directly to 4" square or octagonal junction box.
- SM - Luminaire is mounted directly to the 14" surface-mounted canopy/extrusion. Canopy/extrusion mounts directly to 4" square or octagonal junction box.

ELECTRICAL SYSTEM

- Die-cast aluminum lampholder housing.
- Medium-base porcelain socket with nickel-plated screw shell.
- Thermally protected, high-power-factor electronic ballast mounted in extrusion or above ceiling with GRS option.

LISTING

- Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian standards.

Type Catalog number

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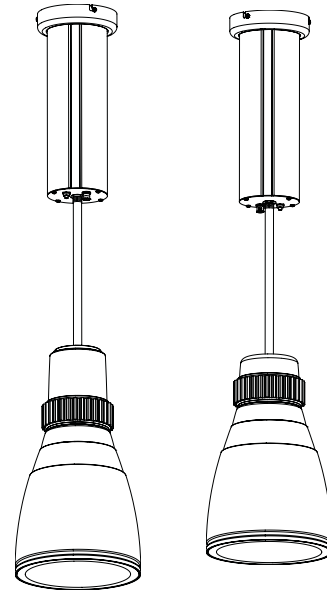
HID Surface Downlights

8" PDPH

Elevations®

Performance Downlight Pendant

ED17 Lamp



All dimensions are inches (centimeters)

Aperture: 7-7/8 (20.1) Height: 14-7/8 (37.7) Short
 Overall Diameter: 9-3/8 (23.5) Height: 17-5/8 (44.8) Tall

ORDERING INFORMATION

Example: **PDPH 100M 8AR 120 SBG RC120**

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

Series	Wattage/Lamp ¹	Aperture/Trim color	Lens Type	Voltage	Ballast	Housing	Decorative element	Mounting method	Options
PDPH	Metal Halide	8AR Clear	(blank) No lens	120	(blank) Electronic ballast	S Short	NR No ring	RC72⁶ Reinforced cord mount	WLP With lamp (shipped separately)
	50M	8PR Pewter	CGL Clear glass lens	277	EMB³ Electro-magnetic ballast	T Tall	S Soft ring	SM Surface mount	SF Single fuse
	70M	8WTR Wheat	T73 Tempered prismatic lens	347^{3,4}			C Stacked rings		GRS⁷ Recessed mounting frame. Eliminates need for 14" canopy extrusion
	100M	8WR White painted					G Gear		
	150M²								
	Color-corrected Metal Halide								
	50MHC						Color		
	70MHC						B Matte black		
	100MHC						S Satin silver		
	150MHC						W⁵ White		
		Finish							
		(blank) Semi-specular							
		LD Matte-diffuse							

NOTES

- 1 Recommended for use with coated lamps.
- 2 Available with electronic ballast only.
- 3 Available with GRS option only.
- 4 Available with EMB ballast only.
- 5 Provided with white cord with RC72.
- 6 For longer cord length, contact Gotham Technical Support.
- 7 Access above ceiling required.

8" PDPH Elevations® Performance Downlight Pendant

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

PDPH 100MHC 8AR, (1) MP100/C/U/M/ lamp, 7900 rated lumens, 1.2s/mh, Test No. LTL13541

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			
	0°			0° - 30°			pc	50%	30%	50%	30%	50%	30%	62.0°	86.8°				
	0	4082		0° - 30°	3647.1	46.2								Initial fc					
	5	4203	411	0° - 40°	5165.4	65.4	1	.84	.82	.83	.81	.80	.78	Mount at beam height	Beam center diameter	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
	15	4779	1339	0° - 60°	6046.3	76.5	2	.78	.75	.77	.73	.74	.72	8	134.9	6.6	67.5	10.4	13.5
	25	4177	1896	0° - 90°	6053.6	76.6	3	.72	.68	.71	.67	.69	.66	10	72.6	9.0	36.3	14.2	7.3
	35	2453	1518	90° - 180°	0.0	0.0	4	.67	.62	.66	.61	.64	.60	12	45.2	11.4	22.6	18.0	4.5
	45	892	711	0° - 180°	6053.6	*76.6	5	.62	.57	.61	.56	.59	.55	14	30.9	13.8	15.4	21.8	3.1
	55	159	170				6	.57	.52	.57	.52	.55	.51	16	22.4	16.2	11.2	25.5	2.2
	65	4	7				7	.53	.48	.53	.48	.52	.47						
	75	0	1				8	.50	.45	.49	.45	.48	.44						
	85	0	0				9	.47	.42	.46	.41	.45	.41						
90	0	0				10	.44	.39	.43	.39	.43	.38							

PDPH 100MHC 8AR, (1) MHC100/C/U/M/4K lamp, 8700 rated lumens, 1.3 s/mh, Test No. LTL7958

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			
	0°			0° - 30°			pc	50%	30%	50%	30%	50%	30%	65.6°	92.4°				
	0	3829		0° - 30°	3446.0	39.6								Initial fc					
	5	3920	379	0° - 40°	5213.7	59.9	1	.82	.80	.81	.79	.78	.76	Mount at beam height	Beam center diameter	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
	15	4224	1200	0° - 60°	6510.6	74.8	2	.75	.72	.74	.71	.72	.69	8	126.6	7.1	63.3	11.5	12.7
	25	4108	1866	0° - 90°	6524.8	75.0	3	.69	.65	.68	.64	.66	.63	10	68.1	9.7	34.0	15.6	6.8
	35	2885	1768	90° - 180°	0.0	0.0	4	.64	.59	.63	.58	.61	.57	12	42.4	12.2	21.2	19.8	4.2
	45	1291	1012	0° - 180°	6524.8	*75.0	5	.59	.54	.58	.53	.56	.52	14	29.0	14.8	14.5	24.0	2.9
	55	278	285				6	.54	.49	.54	.49	.52	.48	16	21.0	17.4	10.5	28.2	2.1
	65	8	12				7	.50	.45	.50	.45	.49	.44						
	75	1	2				8	.46	.41	.46	.41	.45	.41						
	85	0	0				9	.43	.38	.43	.38	.42	.38						
90	0	0				10	.40	.35	.40	.35	.39	.35							

PDPH 150M 8AR, (1) MP150/C/U/MED lamp, 12000 rated lumens, 1.2 s/mh, Test No. LTL7959

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			
	0°			0° - 30°			pc	50%	30%	50%	30%	50%	30%	60.9°	88.2°				
	0	6416		0° - 30°	5190.6	43.3								Initial fc					
	5	6522	625	0° - 40°	7564.0	63.0	1	.84	.82	.82	.80	.79	.78	Mount at beam height	Beam center diameter	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
	15	6554	1854	0° - 60°	9134.1	76.1	2	.77	.74	.76	.73	.73	.71	8	212.1	6.5	106.1	10.7	21.2
	25	5982	2712	0° - 90°	9143.9	76.2	3	.71	.67	.70	.66	.68	.65	10	114.1	8.8	57.0	14.5	11.4
	35	3857	2373	90° - 180°	0.0	0.0	4	.66	.61	.65	.60	.63	.59	12	71.1	11.2	35.5	18.4	7.1
	45	1578	1244	0° - 180°	9143.9	*76.2	5	.61	.56	.60	.55	.58	.54	14	48.5	13.5	24.3	22.3	4.9
	55	304	326				6	.56	.51	.56	.51	.54	.50	16	35.2	15.9	17.6	26.2	3.5
	65	6	10				7	.52	.47	.52	.47	.51	.46						
	75	0	0				8	.49	.43	.48	.43	.47	.43						
	85	0	0				9	.45	.40	.45	.40	.44	.40						
90	0	0				10	.42	.38	.42	.37	.41	.37							

PDPH 150M 8AR CGL, (1) MP150/C/U/MED lamp, 12000 rated lumens, 1.2 s/mh, Test No. LTL8012

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			
	0°			0° - 30°			pc	50%	30%	50%	30%	50%	30%	60.9°	88.2°				
	0	5903		0° - 30°	4775.4	39.8								Initial fc					
	5	6000	575	0° - 40°	6958.7	58.0	1	.77	.75	.76	.74	.73	.71	Mount at beam height	Beam center diameter	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
	15	6030	1705	0° - 60°	8403.2	70.0	2	.71	.68	.70	.67	.67	.65	8	195.1	6.5	97.6	10.7	19.5
	25	5503	2495	0° - 90°	8412.4	70.1	3	.65	.61	.64	.61	.62	.59	10	104.9	8.8	52.5	14.5	10.5
	35	3548	2183	90° - 180°	0.0	0.0	4	.60	.56	.59	.55	.58	.54	12	65.4	11.2	32.7	18.4	6.5
	45	1452	1144	0° - 180°	8412.4	*70.1	5	.56	.51	.55	.51	.54	.50	14	44.6	13.5	22.3	22.3	4.5
	55	280	300				6	.52	.47	.51	.47	.50	.46	16	32.4	15.9	16.2	26.2	3.2
	65	6	9				7	.48	.43	.47	.43	.47	.43						
	75	0	0				8	.45	.40	.44	.40	.43	.39						
	85	0	0				9	.42	.37	.41	.37	.41	.37						
90	0	0				10	.39	.35	.39	.34	.38	.34							

ENERGY (Calculated in accordance with NEMA standard LE-5A)					
LER.DOH	Annual* Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
55	\$4.36	(1) 70M	7900	1.00	110
59	\$4.05	(1) 100MHC	8700	1.00	110
54	\$4.44	(1) 150M	1200	1.00	169

*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.

DLHD-110

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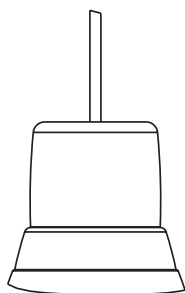
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8" PDPH

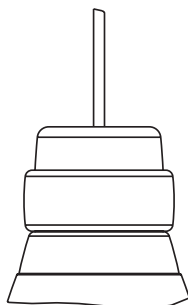
Elevations®

Performance Downlight Pendant

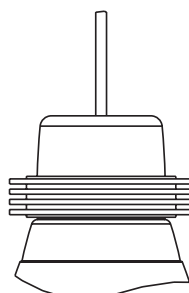
Decorative Elements



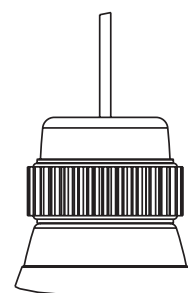
NR - No Ring



S - Soft Ring



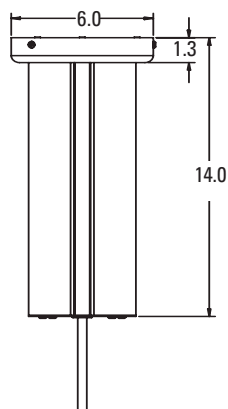
C - Stacked Rings



G - Gear

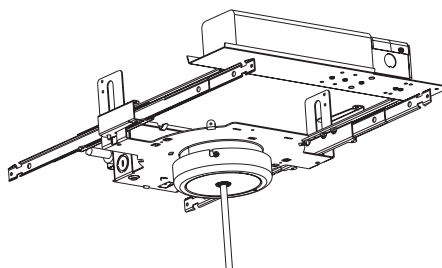
Canopy Configurations

PDPH EL²
Mounting canopy/extrusion
attaches directly to J-Box
RC72

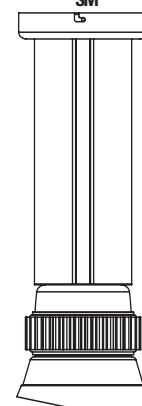


Cord (72" provided)

GRS¹
Recessed mounting
frame option
RC72



PDPH²
Mounting canopy/extrusion attaches
directly to J-Box
SM



NOTES

- 1 Access above ceiling required.
- 2 Extrusion will always be perpendicular to ceiling.

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