

# FEATURES

## OPTICAL SYSTEM

- Self-flanged, anodized semi-specular or matte-diffuse metal finishing trim.
- Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).
- Tool-less 0°-35° vertical and 360° horizontal lamp adjustments made with the trim assembly removed for simple focusing.

## MECHANICAL SYSTEM

- Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials.
- Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation adjustments to ensure trim to trim alignment.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed.
- Post-installation adjustment possible without the use of tools from above or below ceiling.
- Secondary housing adjustment system for precise, final ceiling to flange alignment.

## ELECTRICAL SYSTEM

- Medium-based porcelain socket with nickel-plated screw shell.
- Pre-wired, electronic, 120 or 277V ballast module is standard.
- 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.



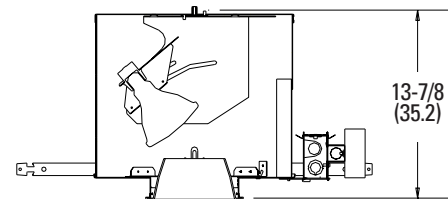
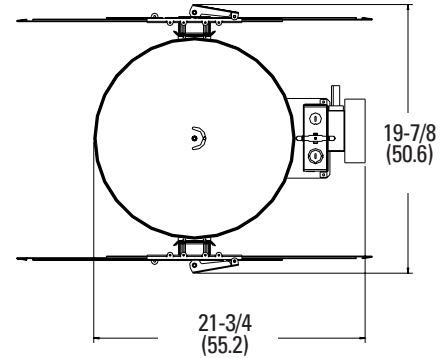
Type

Catalog number



# HID Accent 6" SQDPH

Square Adjustable  
PAR Lamp



All dimensions are inches (centimeters)

Ceiling opening:	6-5/8 (16.8)
Overlap trim:	7-3/16 (18.3)
Aperture opening:	5-15/16 (15.1)

# ORDERING INFORMATION

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

Example: **SQDPH P3870MHC 6AR LD**

## SQDPH

Series	Lamp Type <sup>2</sup>	Aperture/Trim	Finish	Voltage	Options
<b>SQDPH<sup>1</sup></b>	Metal Halide <b>P3870M</b> <b>P38100M</b> <b>P38150M<sup>3</sup></b> Color-corrected Metal Halide <b>P3039MHC</b> <b>P3070MHC</b> <b>P3870MHC</b> <b>P38100MHC</b> <b>P38150MHC<sup>3</sup></b>	<b>6AR</b> Clear <b>6PR</b> Pewter <b>6WTR</b> Wheat <b>6WR<sup>4</sup></b> White <b>6BR<sup>4</sup></b> Black	(blank) Semi-specular <b>LD</b> Matte-diffuse	<b>120</b> <b>277</b> <b>347</b>	<b>QRS</b> Quartz restrike system <b>QRSTD</b> QRS with time delay <b>EC</b> Emergency circuit <b>SF</b> Single fuse <b>LRC<sup>5</sup></b> Provides compatibility with Lithonia Reloc System. Access above ceiling required <b>MFLG</b> Microflange trim <b>TRW</b> White flange <b>LPFL</b> Lamped, flood <b>LPSP</b> Lamped, spot <b>LPWFL</b> Lamped, wide flood <b>CP</b> Chicago Plenum approved

## NOTES

- 1 Standard metal trim (SQMT).
- 2 Ceramic arc tube consistent-color lamp. Philips MasterColor, Osram Sylvania Powerball or GE ConstantColor.
- 3 California Title 20 compliant.
- 4 Not available with matte-diffuse finish.
- 5 For compatible Reloc systems, refer to Technical Bulletins tab.
- 6 Refer to Options & Accessories tab for lens color availability.

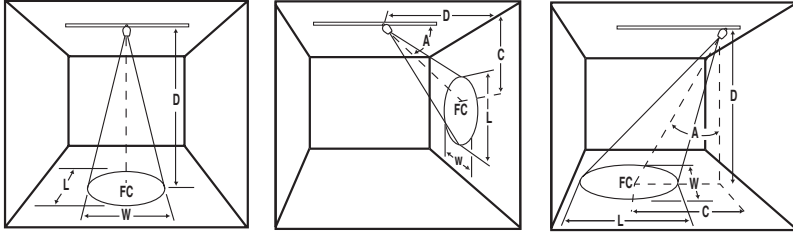
## Accessories

<b>LTWFH500 DBL</b>	Filter Holder for use with PAR30S & PAR30L.
<b>LTWFH700 DBL</b>	Filter Holder for use with PAR38.
<b>F500<sup>6</sup></b>	Lens for use with 500 series filter
<b>F700<sup>6</sup></b>	Lens for use with 700 series filter

# 6" SQDPH Square Adjustable

## LAMP PERFORMANCE DATA

The lighting performance data charts shown provide lighting levels (footcandles), beam pattern (in feet), rated lamp life (hours).



Rated Life	Beam Spread	0° Aiming					30° Aiming					45° Aiming					60° Aiming					
		D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C	D	FC	W	L	C	
CDM35/PAR30L/M/SP CBCP = 44,000	9000	10	16	172	2.8	2.8	N/A	12	198	2.4	2.8	6.9	10	156	2.5	3.5	10.0	6	153	2.1	4.3	10.4
			18	136	3.1	3.1	N/A	16	112	3.2	3.7	9.2	12	108	3.0	4.2	12.0	8	86	2.8	5.7	13.9
			20	110	3.5	3.5	N/A	20	71	4.0	4.7	11.5	14	79	3.5	4.9	14.0	10	55	3.5	7.2	17.3
CDM35/PAR30L/M/FL CBCP = 7400	9000	30	8	116	4.3	4.3	N/A	6	134	3.7	4.4	3.5	4	164	3.0	4.6	4.0	2	231	2.1	5.5	3.5
			10	74	5.4	5.4	N/A	8	75	5.0	5.9	4.6	6	73	4.5	6.9	6.0	4	58	4.3	10.9	6.9
			12	51	6.4	6.4	N/A	10	48	6.2	7.3	5.8	8	41	6.1	9.2	8.0	6	26	6.4	16.4	10.4
CDM70/PAR30L/M/SP CBCP = 68,000	9000	10	16	266	2.8	2.8	N/A	12	307	2.4	2.8	6.9	10	240	2.5	3.5	10.0	6	236	2.1	4.3	10.4
			18	210	3.1	3.1	N/A	16	173	3.2	3.7	9.2	12	167	3.0	4.2	12.0	8	133	2.8	5.7	13.9
			20	170	3.5	3.5	N/A	20	110	4.0	4.7	11.5	14	123	3.5	4.9	14.0	10	85	3.5	7.2	17.3
CDM70/PAR30L/M/FL CBCP = 10,000	9000	40	6	278	4.4	4.4	N/A	6	180	5.0	6.1	3.5	4	221	4.1	6.7	4.0	3	139	4.4	14.5	5.2
			10	100	7.3	7.3	N/A	8	101	6.7	8.1	4.6	6	98	6.2	10.1	6.0	4	78	5.8	19.3	6.9
			14	51	10.2	10.2	N/A	10	65	8.4	10.2	5.8	8	55	8.2	13.4	8.0	5	50	7.3	24.2	8.7
CDM70/PAR38/SP/3K CBCP = 50,000	10,000	15	16	195	4.2	4.2	N/A	12	226	3.6	4.2	6.9	10	177	3.7	5.4	10.0	6	174	3.2	6.7	10.4
			18	154	4.7	4.7	N/A	16	127	4.9	5.6	9.2	12	123	4.5	6.4	12.0	8	98	4.2	8.9	13.9
			20	125	5.3	5.3	N/A	20	81	6.1	7.1	11.5	14	90	5.2	7.5	14.0	10	63	5.3	11.1	17.3
CDM70/PAR38/FL/3K CBCP = 18,000	10,000	25	8	281	3.5	3.5	N/A	6	325	3.1	3.6	3.5	6	177	3.8	5.6	6.0	4	141	3.5	8.3	6.9
			10	180	4.4	4.4	N/A	8	183	4.1	4.8	4.6	8	99	5.0	7.5	8.0	5	90	4.4	10.4	8.7
			12	125	5.3	5.3	N/A	10	117	5.1	6.0	5.8	10	64	6.3	9.3	10.0	6	63	5.3	12.5	10.4
CDM70/PAR38/WFL/3K CBCP = 5000	10,000	60	6	139	6.9	6.9	N/A	6	90	8.0	10.4	3.5	4	110	6.5	13.9	4.0	3	69	6.9	N/A	5.2
			10	50	11.5	11.5	N/A	8	51	10.7	13.9	4.6	6	49	9.8	20.8	6.0	4	39	9.2	N/A	6.9
			14	26	16.2	16.2	N/A	10	32	13.3	17.3	5.8	8	28	13.1	27.7	8.0	5	25	11.5	N/A	8.7
CDM100/PAR38/SP/3K CBCP = 70,000	12,500	15	16	273	4.2	4.2	N/A	12	316	3.6	4.2	6.9	10	247	3.7	5.4	10.0	6	243	3.2	6.7	10.4
			18	216	4.7	4.7	N/A	16	178	4.9	5.6	9.2	12	172	4.5	6.4	12.0	8	137	4.2	8.9	13.9
			20	175	5.3	5.3	N/A	20	114	6.1	7.1	11.5	14	126	5.2	7.5	14.0	10	88	5.3	11.1	17.3
CDM100/PAR38/FL/3K CBCP = 25,000	12,500	25	10	250	4.4	4.4	N/A	8	254	4.1	4.8	4.6	8	138	5.0	7.5	8.0	4	195	3.5	8.3	6.9
			14.0	128	6.2	6.2	N/A	12	113	6.1	7.2	6.9	10	88	6.3	9.3	10.0	6	87	5.3	12.5	10.4
			18	77	8.0	8.0	N/A	16	63	8.2	9.6	9.2	12	61	7.5	11.2	12.0	8	49	7.1	16.6	13.9
CDM100/PAR38/WFL/3K CBCP = 7000	12,500	60	6	194	6.9	6.9	N/A	6	126	8.0	10.4	3.5	4	155	6.5	13.9	4.0	3	97	6.9	N/A	5.2
			10	70	11.5	11.5	N/A	8	71	10.7	13.9	4.6	6	69	9.8	20.8	6.0	4	55	9.2	N/A	6.9
			14	36	16.2	16.2	N/A	10	45	13.3	17.3	5.8	8	39	13.1	27.7	8.0	5	35	11.5	N/A	8.7
MP70PAR38/U/SP20/ECO CBCP = 3400	8500	20	6	94	2.1	2.1	N/A	6	61	2.4	2.9	3.5	4	75	2.0	2.9	4.0	2	106	1.4	3.1	3.5
			8	53	2.8	2.8	N/A	8	35	3.3	3.8	4.6	6	33	3.0	4.4	6.0	3	47	2.1	4.7	5.2
			10.0	34	3.5	3.5	N/A	10	22	4.1	4.8	5.8	8	19	4.0	5.8	8.0	4	27	2.8	6.2	6.9
MP70PAR38/U/FL35/ECO CBCP = 10,000	8500	35	6	278	3.8	3.8	N/A	6	180	4.4	5.2	3.5	4	221	3.6	5.6	4.0	2	313	2.5	7.2	3.5
			8	156	5.0	5.0	N/A	8	101	5.8	7.0	4.6	6	98	5.4	8.4	6.0	3	139	3.8	10.8	5.2
			10	100	6.3	6.3	N/A	10	65	7.3	8.7	5.8	8	55	7.1	11.2	8.0	4	78	5.0	14.4	6.9
MP100PAR38/U/FL35/ECO CBCP = 12,000	8500	35	8	188	5.0	5.0	N/A	6	217	4.4	5.2	3.5	4	265	3.6	5.6	4.0	2	375	2.5	7.2	3.5
			10	120	6.3	6.3	N/A	8	122	5.8	7.0	4.6	6	118	5.4	8.4	6.0	3	167	3.8	10.8	5.2
			12	83	7.6	7.6	N/A	10	78	7.3	8.7	5.8	8	66	7.1	11.2	8.0	4	94	5.0	14.4	6.9
MP100PAR38/U/VWFL65/ECO CBCP = 4500	8500	65	6.0	125	7.6	7.6	N/A	6	81	8.8	11.8	3.5	4	99	7.2	17.2	4.0	2	141	5.1	N/A	3.5
			8	70	10.2	10.2	N/A	8	46	11.8	15.7	4.6	6	44	10.8	25.7	6.0	3	63	7.6	N/A	5.2
			10	45	12.7	12.7	N/A	10	29	14.7	19.6	5.8	8	25	14.4	34.3	8.0	4	35	10.2	N/A	6.9
MP150PAR38/U/SP20/ECO CBCP = 34,000	8500	20	12	236	4.2	4.2	N/A	12	153	4.9	5.7	6.9	10	120	5.0	7.3	10.0	6	118	4.2	9.3	10.4
			16	133	5.6	5.6	N/A	16	86	6.5	7.6	9.2	12	83	6.0	8.7	12.0	8	66	5.6	12.4	13.9
			20	85	7.1	7.1	N/A	20	55	8.1	9.5	11.5	14	61	7.0	10.2	14.0	10	43	7.1	15.6	17.3

### 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.

AHID-360

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Rev 3/10

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An Acuity Brands Company

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