

FEATURES

OPTICAL SYSTEM

- Self-flanged, matte-diffuse high-impact polymer finishing trim with a durable, proprietary vapor deposition 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.
- One piece trim eliminates mitered flange corners and inside corner gaps.
- Upper reflector is painted a highly reflective matte white providing diffuse, even light with high efficiency.
- Dual kicker design along with proprietary Gotham spread lens delivers a uniform distribution of light to the wall.

MECHANICAL SYSTEM

- 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.
- Galvanized steel junction box with hinged access covers and spring latch. Three 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

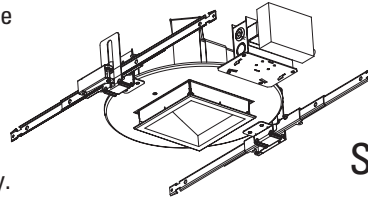
- Medium-base porcelain socket with nickel-plated screw shell.
- Pre-wired, electronic, 120 or 277V ballast module is standard. Module can be attached before or after mounting of mounting/plaster frame.
- Thermally-activated insulation detector.

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

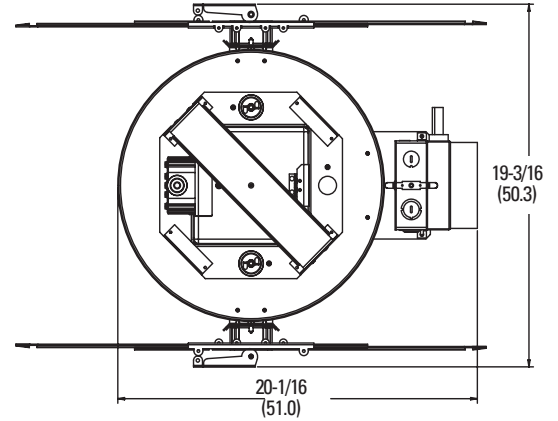
Catalog number



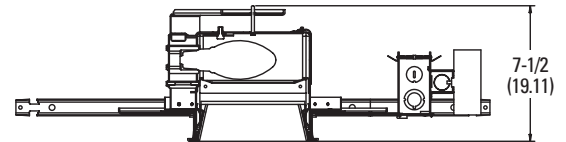
HID Downlights

6" SQHZW

Square Lensed Wallwash
ED17 Lamp



Aperture: 6 (15.2)
Ceiling Opening: 6-5/8 (16.8)
Overlap Trim: 7-3/16 (18.3)



All dimensions are inches (centimeters)

ORDERING INFORMATION

Example: **SQHZW 70M 6AR 120**

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

SQHZW

Series	Wattage/Lamp ¹	Aperture/Trim Color	Finish	Voltage	Ballast	Options
SQHZW	Metal Halide (ED17) 50M 70M 100M Color-corrected Metal Halide (ED17) 50MHC 70MHC 100MHC	6AR Clear 6DSR Stepped	LD Matte-diffuse	120 277 347³	(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

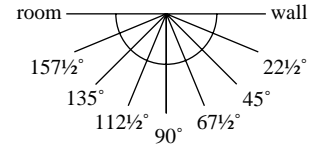
NOTES

- 1 Recommended for use with coated lamps. Open rated lamps required.
- 2 Available with 70W & 100W electro-magnetic ballast only.
- 3 For compatible Reloc systems, refer to Technical Bulletins tab.

6" SQHZW Square Lensed Wallwash

TECHNICAL INFORMATION

Footcandle values are initial and tables are based on minimum of six units. For fixture-to-wall distance other than those shown, use maximum of one-to-one spacing (distance between fixtures not more than distance to wall) for best results.



Fixture/lamp	Candlepower data					Footcandle values										
	Vertical Angle	Room Side			Wall Side		3 ft. from wall on 3 ft. centers			3 ft. from wall on 4 ft. centers						
		90°	67.5°	45°	22.5°	Wall	1	2	3	4	5	6	7	8	9	10
SQHZW 70M 6AR																
70W MHC70/C/U lamp	0°	1616	1616	1616	1616	1616	1	27	14	27	25	8	25			
5800 rated lumens	5°	1596	1623	1647	1665	1675	2	48	40	48	42	25	42			
Test No. LTL16111	15°	1435	1517	1637	1749	1775	3	48	48	48	40	31	40			
	25°	1006	1127	1448	1608	1625	4	45	48	45	37	33	37			
	35°	580	653	975	1255	1269	5	40	42	40	31	31	31			
	45°	348	369	524	814	855	6	33	34	33	25	26	25			
	55°	179	221	283	500	614	7	27	28	27	21	21	21			
	65°	62	103	161	270	408	8	22	22	22	17	17	17			
	75°	13	24	51	77	164	9	18	18	18	14	14	14			
	85°	3	2	2	1	1	10	15	15	15	12	12	12			
	90°	0	0	0	0	0										

Fixture/lamp	Candlepower data					Footcandle values										
	Vertical Angle	Room Side			Wall Side		3 ft. from wall on 3 ft. centers			3 ft. from wall on 4 ft. centers						
		90°	67.5°	45°	22.5°	Wall	1	2	3	4	5	6	7	8	9	10
SQHZW 100M 6AR																
100W MHC100/C/U lamp	0°	2419	2419	2419	2419	2419	1	42	22	42	39	12	39			
8800 rated lumens	5°	2380	2421	2474	2496	2518	2	75	61	75	66	38	66			
Test No. LTL16115	15°	2123	2247	2452	2636	2701	3	74	72	74	63	47	63			
	25°	1483	1662	2161	2446	2504	4	70	72	70	57	50	57			
	35°	860	973	1453	1899	1970	5	60	63	60	47	46	47			
	45°	513	545	787	1245	1361	6	50	51	50	38	39	38			
	55°	261	322	420	762	976	7	41	41	41	31	32	31			
	65°	92	151	238	418	647	8	34	34	34	26	26	26			
	75°	20	36	76	117	255	9	27	27	27	21	21	21			
	85°	4	4	3	2	1	10	22	22	22	17	17	17			
	90°	0	0	0	0	0										

Fixture/lamp	Candlepower data					Footcandle values										
	Vertical Angle	Room Side			Wall Side		3 ft. from wall on 3 ft. centers			3 ft. from wall on 4 ft. centers						
		90°	67.5°	45°	22.5°	Wall	1	2	3	4	5	6	7	8	9	10
SQHZW 70M 6DSR																
70W MHC70/C/U lamp	0°	1292	1292	1292	1292	1292	1	31	19	31	28	12	28			
5800 rated lumens	5°	1294	1322	1342	1361	1369	2	51	44	51	44	28	44			
Test No. LTL16112	15°	1230	1337	1443	1504	1506	3	49	51	49	41	34	41			
	25°	902	1059	1334	1482	1446	4	44	48	44	36	34	36			
	35°	546	656	941	1198	1160	5	38	40	38	29	30	29			
	45°	352	389	542	838	841	6	31	33	31	24	25	24			
	55°	211	248	317	531	624	7	26	26	26	19	20	19			
	65°	95	144	193	297	428	8	21	21	21	16	16	16			
	75°	31	55	83	109	193	9	17	17	17	13	13	13			
	85°	7	10	10	11	16	10	14	14	14	11	11	11			
	90°	0	0	0	0	0										

Fixture/lamp	Candlepower data					Footcandle values										
	Vertical Angle	Room Side			Wall Side		3 ft. from wall on 3 ft. centers			3 ft. from wall on 4 ft. centers						
		90°	67.5°	45°	22.5°	Wall	1	2	3	4	5	6	7	8	9	10
SQHZW 100M 6DSR																
100W MHC100/C/U lamp	0°	1944	1944	1944	1944	1944	1	48	29	48	43	18	43			
8800 rated lumens	5°	1942	1991	2028	2055	2067	2	79	67	79	69	43	69			
Test No. LTL16116	15°	1830	1998	2173	2280	2297	3	76	78	76	64	51	64			
	25°	1331	1570	2005	2253	2226	4	68	73	68	55	51	55			
	35°	813	975	1407	1824	1799	5	57	61	57	44	45	44			
	45°	520	575	810	1290	1334	6	48	49	48	36	37	36			
	55°	310	363	468	818	983	7	39	39	39	29	30	29			
	65°	141	211	284	456	670	8	31	31	31	24	24	24			
	75°	47	82	120	164	293	9	25	25	25	19	20	19			
	85°	11	14	15	15	22	10	20	20	20	16	16	16			
	90°	0	0	0	0	0										

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.

DHID-370

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