

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

ELECTRICAL SYSTEM

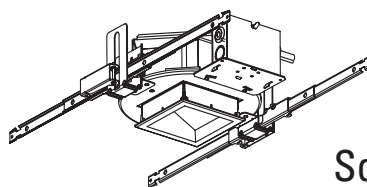
- Medium-base porcelain socket with nickel-plated screw shell.
- Thermally-activated insulation detector.

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

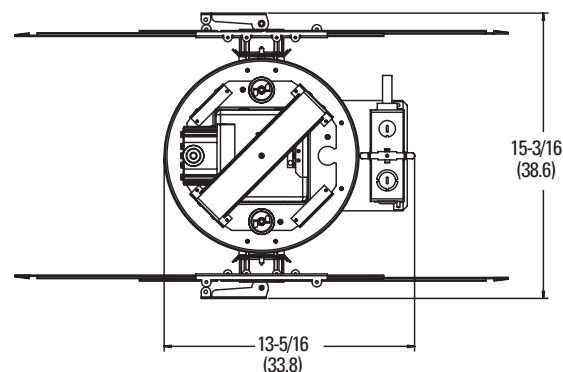
Catalog number



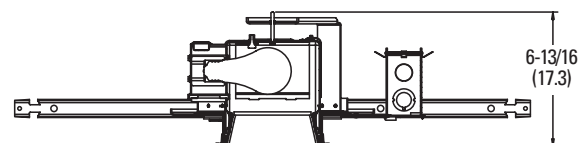
Incandescent Downlights

4" SQAZW

Square Lensed Wallwash
A19 or BT15 Lamp



Aperture: 4-1/2 (11.4)
Ceiling Opening: 5-1/8 (13.0)
Overlap Trim: 5-3/4 (14.6)



All dimensions
are inches
(centimeters)

ORDERING INFORMATION

Example: **SQAZW 4AR LD**

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

SQAZW

Series ¹	Aperture/Trim color	Finish	Options
SQAZW	4AR Clear 4DSR Stepped 4PR Pewter 4WTR Wheat 4WR² White 4BR² Black 4PDSR Pewter stepped 4WDSR Wheat stepped	(blank) Semi-specular ³ LD Matte-diffuse	SDT⁴ Stepdown transformer (277V to 120V) SDT347⁴ Stepdown transformer (347V to 120V; 75W Max.) SF⁴ Single fuse LRC⁵ 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 SQMT⁶ Square metal trim

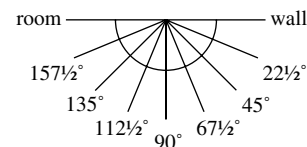
NOTES

- 1 Maximum wattage: 100W A19.
- 2 Not available with matte-diffuse finish.
- 3 Available with WR and BR trim colors and SQMT metal trim option.
- 4 Single fuse standard when SDT or SDT347 options are ordered.
- 5 For compatible Reloc systems, refer to Technical Bulletins tab.
- 6 Not available with stepped reflector.

4" SQAZW 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						
SQAZW 100W 4AR 100A/WL/120V lamp 1550 rated lumens Test No. LTL16313	Plane Angle						3 ft. from wall on 3 ft. centers				3 ft. from wall on 4 ft. centers		
	Room Side			Wall Side									
	Vertical Angle	90°	67.5°	45°	22.5°	Wall	1	3	2	3	3	1	3
	0°	270	270	270	270	270	2	10	7	10	8	5	8
	5°	270	274	279	282	283	3	10	9	10	8	6	8
	15°	253	269	292	312	318	4	9	9	9	7	6	7
	25°	191	214	271	305	305	5	7	8	7	6	6	6
	35°	119	134	181	229	235	6	6	6	6	5	5	5
	45°	72	75	102	155	179	7	5	5	5	4	4	4
	55°	39	45	58	96	127	8	4	4	4	3	3	3
	65°	14	20	30	45	69	9	3	3	3	3	3	3
	75°	4	5	9	10	16	10	3	3	3	2	2	2
85°	1	1	1	1	0								
90°	0	0	0	0	0								
SQAZW 100W 4AR 100 BT15 lamp 1670 rated lumens Test No. LTL16315	Plane Angle						3 ft. from wall on 3 ft. centers				3 ft. from wall on 4 ft. centers		
	Room Side			Wall Side									
	Vertical Angle	90°	67.5°	45°	22.5°	Wall	1	4	2	4	4	1	4
	0°	279	279	279	279	279	2	11	8	11	10	5	10
	5°	278	283	288	295	297	3	11	10	11	10	7	10
	15°	254	275	309	341	351	4	10	10	10	8	7	8
	25°	191	221	288	339	346	5	8	8	8	6	6	6
	35°	122	137	187	253	274	6	7	7	7	5	5	5
	45°	75	80	106	175	214	7	6	6	6	4	4	4
	55°	40	46	61	108	156	8	5	5	5	3	4	3
	65°	15	22	32	51	81	9	4	4	4	3	3	3
	75°	4	6	9	11	18	10	3	3	3	2	2	2
85°	1	1	1	1	1								
90°	0	0	0	0	0								
SQAZW 100W 4DSR 100A/WL/120V lamp 1550 rated lumens Test No. LTL16314	Plane Angle						3 ft. from wall on 3 ft. centers				3 ft. from wall on 4 ft. centers		
	Room Side			Wall Side									
	Vertical Angle	90°	67.5°	45°	22.5°	Wall	1	5	3	5	5	2	5
	0°	234	234	234	234	234	2	11	10	11	9	6	9
	5°	236	242	247	251	252	3	11	11	11	9	7	9
	15°	233	256	282	293	295	4	9	10	9	7	7	7
	25°	187	222	274	289	280	5	8	8	8	6	6	6
	35°	125	149	192	231	226	6	6	7	6	5	5	5
	45°	77	87	117	175	185	7	5	5	5	4	4	4
	55°	44	55	68	118	138	8	4	4	4	3	3	3
	65°	20	31	37	62	79	9	3	3	3	3	3	3
	75°	6	11	13	17	26	10	3	3	3	2	2	2
85°	1	1	1	1	2								
90°	0	0	0	0	0								
SQAZW 100W 4DSR 100A/WL/120V lamp 1550 rated lumens Test No. LTL16316	Plane Angle						3 ft. from wall on 3 ft. centers				3 ft. from wall on 4 ft. centers		
	Room Side			Wall Side									
	Vertical Angle	90°	67.5°	45°	22.5°	Wall	1	5	3	5	5	2	5
	0°	246	246	246	246	246	2	12	11	12	11	6	11
	5°	246	252	259	265	266	3	12	12	12	10	8	10
	15°	237	265	302	323	327	4	10	11	10	8	8	8
	25°	187	229	293	322	315	5	8	9	8	6	7	6
	35°	125	149	198	262	266	6	7	7	7	5	5	5
	45°	79	90	120	199	221	7	6	6	6	4	4	4
	55°	45	56	69	134	165	8	5	5	5	3	4	3
	65°	20	31	38	68	92	9	4	4	4	3	3	3
	75°	6	11	13	17	29	10	3	3	3	2	2	2
85°	1	1	1	1	2								
90°	0	0	0	0	0								

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.

DINC-293

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