

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.
- Proprietary Gotham spread lens delivers a uniform distribution of light to the wall.

MECHANICAL SYSTEM

- Housing accommodates a maximum 1-1/2" ceiling thickness.
- Light engine and driver are accessible from above or below ceiling and can be upgraded to accommodate future technology improvements.
- 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. Three combination 1/2"-3/4" and one 1/2" knockout for straight-through conduit runs. Capacity: 8 (4in, 4out) No. 12 AWG conductors rated for 90°C.
- Secondary housing adjustment system for precise, final ceiling to flange alignment.

ELECTRICAL SYSTEM

- Solid state LED light engine available in 3500 K or 4100 K color temperatures.
- Class P, thermally protected 0-10V solid-state dimming driver is standard.
- Rated system life of 50,000 hours at 70% output.
- Thermally activated insulation detector.
- Emergency battery pack and SIMPLY5™ energy management system available.

LISTING

- Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Tested to IENSA LM-79 and LM-80 standards.

WARRANTY

- 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

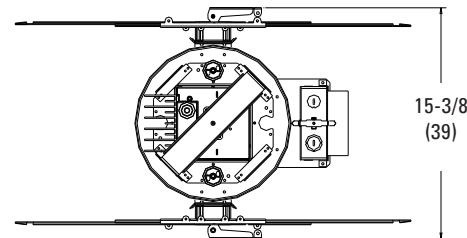
Type

Catalog number

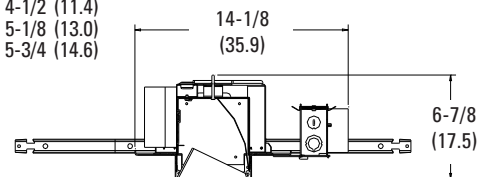
Square LED Downlights

4" ECSSW

Ecos™ Square Lensed Wallwash



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



Minimum of 9" required above ceiling for non-accessible ceilings.

All dimensions are inches (centimeters).

ORDERING INFORMATION

Example: ECSSW 35/09 4AR LD 120

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).

ECSSW

Series	Color temperature	Nominal lumen output	Aperture	Trim color	Finish	Voltage	Options
ECSSW	35/ 3500 K 41/ 4100 K	09 900 lms	4	AR Clear PR Pewter WTR Wheat DSR Stepped WR White BR Black PDSR Stepped pewter WDSR Stepped wheat	LD Matte-diffuse (blank) ¹ Semi-specular	120 277 347²	SF Single fuse TRW White flange TRBL Black flange MFLG Microflange™ trim SQMT³ Square metal trim LRC⁴ Provides compatibility with Lithonia Reloc® System. Access above ceiling required CP Chicago plenum NSD⁵ Sensor Switch nLight™ dimming relay ELR⁶ Emergency battery pack with remote test switch ELRHL⁶ High-lumen emergency battery pack with remote test switch
						Driver	
						(blank) 0-10V dimming driver	

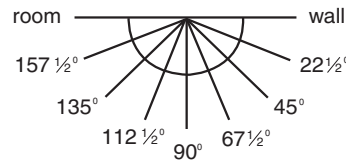
NOTES

1. Only available with SQMT metal trim option.
2. Height of fixture increases 1-1/2".
3. Not available with stepped trims or MFLG option.
4. For compatible Reloc systems, refer to Technical Bulletins.
5. One 5A relay with one 0-10 VDC dimming output, shipped installed. Refer to [nSP5-D](#).
6. For dimensional changes, refer to Technical Bulletins.

4" ECSSW Ecos™ Square Wallwash Reflector

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

ECSSW 35/09 4AR LD

Input watts: 35

579 Total rated lumens

Test No. LTL18233

Vertical Angle	Plane angle							
	Wall	22.5	45	67.5	90	112.5	135	157.5
0	130	130	130	130	130	130	130	130
5	146	144	139	133	129	127	127	128
15	259	234	186	144	124	123	133	144
25	392	332	252	163	115	114	135	160
35	434	362	286	177	100	99	124	150
45	393	324	268	154	75	74	95	119
55	297	234	187	105	46	43	57	72
65	157	117	91	45	19	15	21	30
75	30	22	17	7	5	5	6	9
85	0	1	1	2	2	2	2	2
90	0	0	0	0	0	0	0	0

ft. from ceiling	Wallwash Illuminance Study (fc)								
	Illuminance on wall from 6 luminaires								
	Luminaire mounted 3 ft. from wall			Luminaire mounted 3 ft. from wall			Luminaire mounted 3 ft. from wall		
	3 ft. between luminaires			4 ft. between luminaires			5 ft. between luminaires		
	3	3.5	4	3	3.5	4	3	3.5	4
1	7	4	7	7	2	7	6	1	6
2	23	19	23	20	13	20	19	8	19
3	24	22	24	19	16	19	17	12	17
4	20	18	20	15	14	15	13	10	13
5	14	14	14	11	10	11	9	8	9
6	10	10	10	8	7	8	6	6	6
7	7	7	7	6	5	6	5	4	5
8	5	5	5	4	4	4	3	3	3
9	4	4	4	3	3	3	2	2	2
10	3	3	3	2	2	2	2	2	2

ECSSW 35/09 4DSR LD

Input watts: 35

572 Total rated lumens

Test No. LTL18232

Vertical Angle	Plane angle							
	Wall	22.5	45	67.5	90	112.5	135	157.5
0	97	97	97	97	97	97	97	97
5	114	112	106	101	97	95	95	95
15	230	204	157	116	94	94	101	109
25	367	309	230	137	88	87	102	120
35	412	347	269	159	77	75	94	118
45	392	328	267	149	62	61	80	105
55	312	255	200	117	44	40	58	78
65	171	134	112	62	24	18	30	49
75	39	28	26	17	8	7	12	22
85	3	2	2	2	2	2	2	3
90	0	0	0	0	0	0	0	0

ft. from ceiling	Wallwash Illuminance Study (fc)								
	Illuminance on wall from 6 luminaires								
	Luminaire mounted 3 ft. from wall			Luminaire mounted 3 ft. from wall			Luminaire mounted 3 ft. from wall		
	3 ft. between luminaires			4 ft. between luminaires			5 ft. between luminaires		
	3	3.5	4	3	3.5	4	3	3.5	4
1	9	5	9	8	3	8	7	2	7
2	26	22	26	22	15	22	20	10	20
3	25	24	25	20	17	20	18	12	18
4	20	19	20	15	14	15	13	11	13
5	14	13	14	11	10	11	9	8	9
6	10	10	10	8	7	8	6	6	6
7	7	7	7	5	5	5	4	4	4
8	5	5	5	4	4	4	3	3	3
9	3	4	4	3	3	3	2	2	2
10	3	3	3	2	2	2	2	2	2

Photometric performance is measured in accordance with IESNA LM-79.

For expanded options and updated photometric information, please visit www.gothamlighting.com or contact the factory directly.

NOTES:

- For electrical characteristics, refer to 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. Actual performance may differ as a result of end-user environment and application. Dimensions and specifications are based on the most current available data and are subject to change without notice.
- Consult factory or IES file for microgroove baffle, black cone and other photometric reports.

ECOS-ECSSW-4

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