

3" LED Square Downlight

Lamp: (1) LED

Total Rated Fixture Lumen :617.44

Total Luminaire Efficacy :51.20 Lm/W

Luminous Diameter :3.5" Sq.

CRI :80 Standard, 90+ CRI option

LM79 Report File

#L08121604

By:

Lighting Sciences Inc.

LHQLD312

LED DETAILS**Light Source Specification**

Color Rendering Index (CRI): 84.19

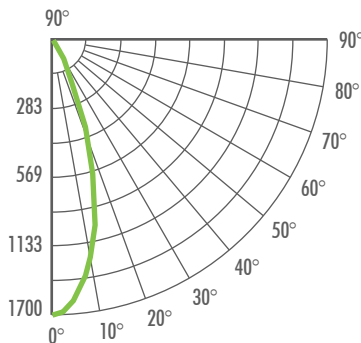
Color Temperature: 3,072K

Estimated Life: 50,000+ hrs. - L70

Lamp Equivalents: 50W MR16, PAR20, PAR30, 75W A19

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixt
0 - 30	541.9	88.0
0 - 40	591.7	96.1
0 - 60	614.4	99.8
60 - 90	1.5	0.2
70 - 100	0.5	0.1
90 - 120	0.0	0.0
0 - 90	616.0	100.0
90 - 180	0.0	0.0
0 - 180	616.0	100.0

**CANDELA TABLE - TYPE C****CD./SQ.M (FOOTLAMBERTS)**

Angle	0
0	1638
10	1295
20	577
30	155
40	35
50	12
60	3
70	0
80	0
90	0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20**

RC	80				70				50			30			10			0
RW	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
0	119	119	119	119	116	116	116	100	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	96	106	104	103	102	102	100	99	98	97	95
2	110	106	102	99	108	104	101	91	101	98	96	98	98	94	95	94	92	91
3	106	100	96	93	104	99	95	87	96	93	91	94	94	89	92	90	88	86
4	101	95	91	87	100	94	90	83	92	88	86	90	90	85	88	86	84	82
5	98	91	86	82	96	90	85	80	88	84	81	87	87	81	85	82	80	79
6	94	87	82	78	93	86	81	76	85	81	78	83	83	77	82	79	77	75
7	91	83	78	75	89	82	78	73	81	77	74	80	80	74	79	76	73	72
8	87	80	75	71	86	79	74	70	78	74	71	77	77	71	76	73	70	69
9	84	76	72	68	83	76	71	68	75	71	68	74	74	68	74	70	68	67
10	81	74	69	66	81	73	69	65	72	68	65	72	72	65	71	68	65	64

MULTIPLIERS**COLOR TEMP**

3,000K	1.00
4,000K	1.13
2,700K	0.90

WATTAGE

12W	1.00
19W	1.86

LUMINANCE SUMMARY CD./SQ.M.**CD./SQ.M (FOOTLAMBERTS)**

Angle	Mean CD/Sq. M.
0-10	139.3
10-20	254.7
20-30	148.0
30-40	49.8
40-50	15.9
50-60	6.9
60-70	1.1
70-80	0.3
80-90	0.1
90-100	0.0