

DATE

PROJECT

TYPE

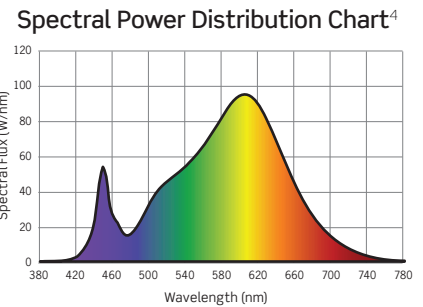
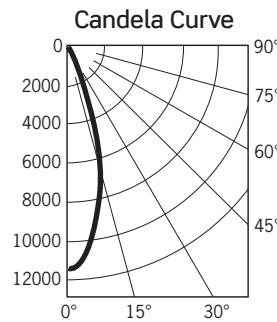
# R4SQ SERIES | 4-Inch Square Downlights

## PHOTOMETRICS

### R4SQNC630K12DN / C4322SQ-CLR

Fixture Delivered Lumens: 4207.7  
 Total Watts@120V: 44.7  
 Lumens Per Watt: 94.1  
 Center Beam Candle Power: 11502  
 Beam Distribution: 33.7°  
 Spacing Criterion: 0.55  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3053K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G21072004  
 LM-79 Test No. S21071503

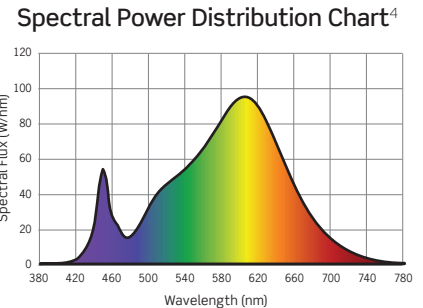
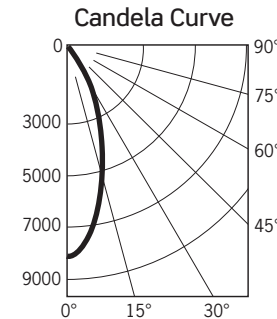
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	319.5	3.6
8 FT	179.7	4.8
10 FT	115.0	6.0
12 FT	79.9	7.2
14 FT	58.7	8.4
16 FT	44.9	9.7



### R4SQNC630K12DM / C4322SQ-CLR

Fixture Delivered Lumens: 4454.1  
 Total Watts@120V: 44.7  
 Lumens Per Watt: 99.6  
 Center Beam Candle Power: 8124  
 Beam Distribution: 38.0°  
 Spacing Criterion: 0.61  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3053K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G21071405  
 LM-79 Test No. S21071503

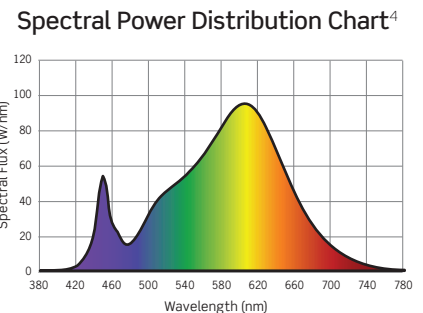
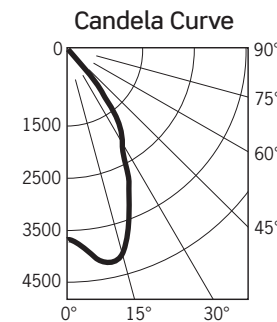
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	225.7	4.2
8 FT	126.9	5.6
10 FT	81.2	7.0
12 FT	56.4	8.4
14 FT	41.4	9.9
16 FT	31.7	11.3



### R4SQNC630K12DW / C4322SQ-CLR

Fixture Delivered Lumens: 4295.6  
 Total Watts@120V: 44.7  
 Lumens Per Watt: 96.1  
 Center Beam Candle Power: 3684  
 Beam Distribution: 61.7°  
 Spacing Criterion: 1.0  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3053K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G21071403  
 LM-79 Test No. S21071503

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	102.3	7.2
8 FT	57.6	9.6
10 FT	36.8	11.9
12 FT	25.6	14.3
14 FT	18.8	16.7
16 FT	14.4	19.1



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

## PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature, Luminaire Wattage/Output and Trim Selection. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			OUTPUT MULTIPLIERS					TRIM MULTIPLIERS	
CCT	STD CRI	HIGH CRI	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	C4322SQDC-SL	C4322SQDF-SL
2700K	0.94	0.70	0.27	0.37	0.52	0.71	0.88	0.93	0.94
3000K	N/A	0.75							
3500K	1.0	0.81							
4000K	1.0	0.87							

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# R4SQ SERIES | 4-Inch Square Downlights

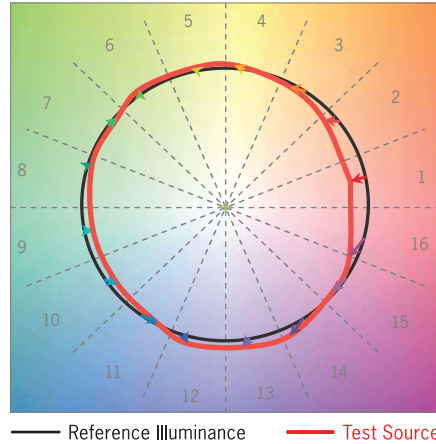
**TM-30 DATA: R4SQNC630K12DM / C4322SQ-CLR**

ANSI/IES TM-30-18 Color Rendition Report Test No. S21071503

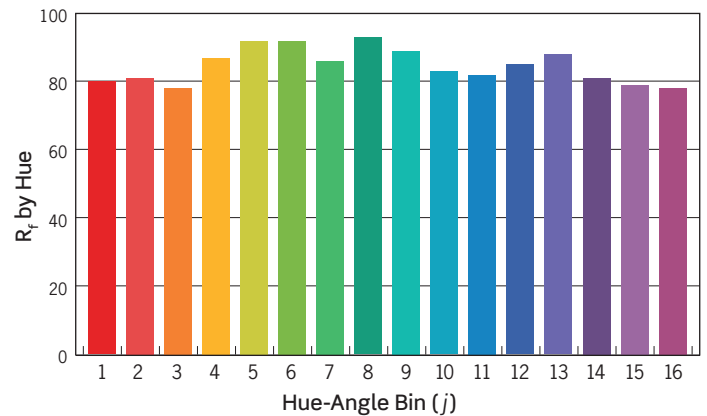
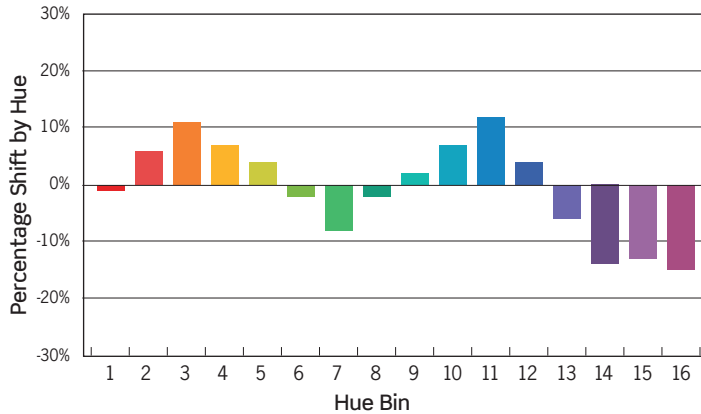
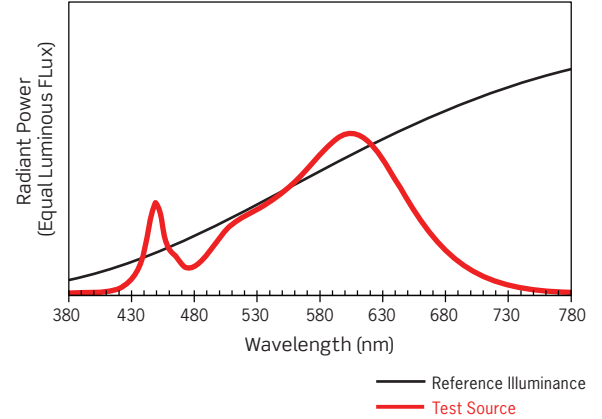
Colors are for visual orientation purposes only

$R_f$	86
$R_g$	97
CCT(K)	3053K
$D_{uv}$	0.0014
$u^l$	0.2482
$v^l$	0.5223

Color Vector Graphic



Spectral Power Distribution Comparison



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-1%	6%	11%	7%	4%	-2%	-8%	-2%	2%	7%	12%	4%	-6%	-14%	-13%	-15%
$R_f$ VALUE	81	82	79	88	93	93	87	94	90	84	83	86	89	82	80	79