

DATE

PROJECT

TYPE

R4 KB SERIES | 4-Inch Downlights with BIOS SkyBlue™ Technology Photometrics

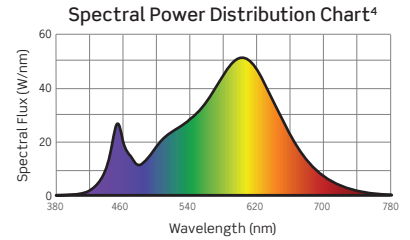
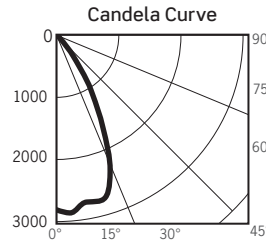
PHOTOMETRICS

R4*535KB12DBS / C4322M-CLR: 4-Inch Downlight, Medium Beam, Clear Reflector

LM-63 Test No. G21092801: LM-79 Test No. S21093002

Fixture Delivered Lumens: 2240.8
 Total Watts@120V: 38.5
 Lumens Per Watt: 58.2
 Center Beam Candle Power: 2841
 Beam Distribution: 54.7°
 Spacing Criterion: 0.84
 Color Rendering Index (CRI)1: 84.8
 Color Temperature (CCT)2: 3241K
 Peak Sensitivity: 490nm
 R9 Value: 93.2
 Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	78.9	6.2
8 FT	44.4	8.3
10 FT	28.4	10.3
12 FT	19.7	12.4
14 FT	14.5	14.5
16 FT	11.1	16.5

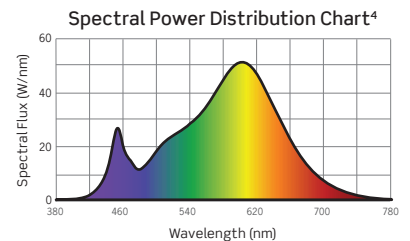
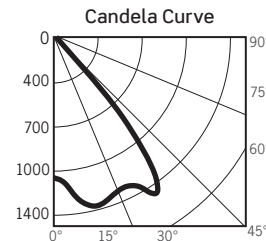


R4*535KB12DBS / C4322W-CLR: 4-Inch Downlight, Wide Beam, Clear Reflector

LM-63 Test No. G21092802: LM-79 Test No. S21093002

Fixture Delivered Lumens: 2259.6
 Total Watts@120V: 38.5
 Lumens Per Watt: 58.7
 Center Beam Candle Power: 1118
 Beam Distribution: 82.0°
 Spacing Criterion: 1.25
 Color Rendering Index (CRI)1: 84.8
 Color Temperature (CCT)2: 3241K
 Peak Sensitivity: 490nm
 R9 Value: 93.2
 Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	31.1	10.4
8 FT	17.5	13.9
10 FT	11.2	17.4
12 FT	7.8	20.9
14 FT	5.7	24.3
16 FT	4.4	27.8

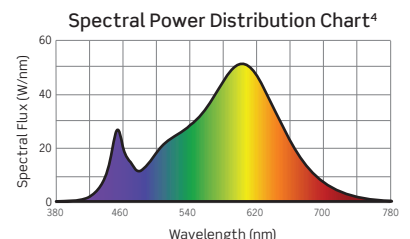
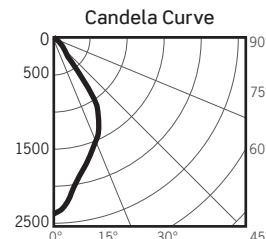


R4*535KB12DBS / C4322-PL: 4-Inch Downlight, Platinum Reflector

LM-63 Test No. G21092803: LM-79 Test No. S21093002

Fixture Delivered Lumens: 2006.3
 Total Watts@120V: 38.5
 Lumens Per Watt: 52.1
 Center Beam Candle Power: 2371
 Beam Distribution: 62.1°
 Spacing Criterion: 0.92
 Color Rendering Index (CRI)1: 84.8
 Color Temperature (CCT)2: 3241K
 Peak Sensitivity: 490nm
 R9 Value: 93.2
 Designed for 50,000 Hour Lamp Life³

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	65.8	7.2
8 FT	37.0	9.6
10 FT	23.7	12.0
12 FT	16.5	14.4
14 FT	12.1	16.8
16 FT	9.3	19.2



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

PHOTOMETRIC MULTIPLIERS

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI) and Wattage. To estimate lumen output of other combinations, multiply the published results by the following factors:

CCT	STANDARD CRI
3000K	0.95
3500K	N/A
4000K	1.05

SERIES 1	SERIES 2	SERIES 3	SERIES 4
0.31	0.43	0.61	0.81

C4322W-CLR	C4322-PL	C4322-WHT	C4322DF-SL	C4323-CLR
1.01	0.90	0.92	0.67	0.51

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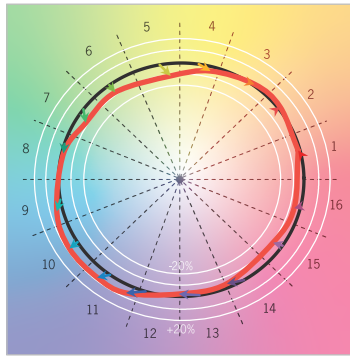
PHOTOMETRICS: TM-30 DATA

R4*535KB12DBS / C4322M-CLR

ANSI/IES TM-30-18 Color Rendition Report Test No. S21093002

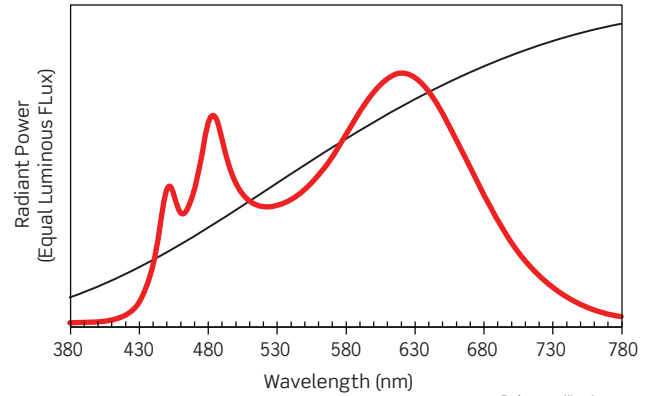
R_f	86
R_g	96
CCT(K)	3241K
D_{uv}	-0.0098
u^l	0.2468
v^l	0.5032

Color Vector Graphic

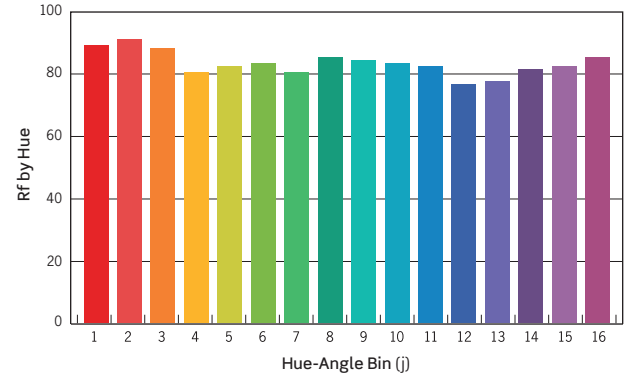
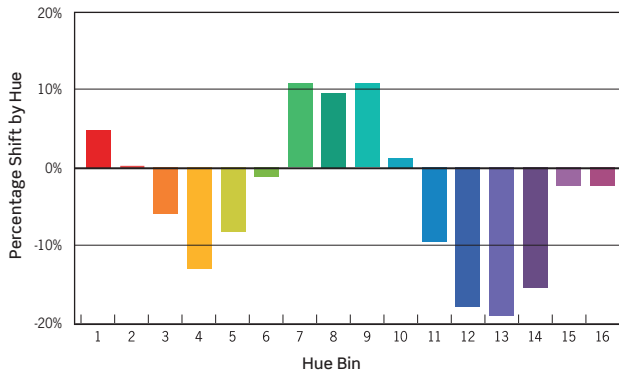


— Reference Illuminance
— Test Source

Spectral Power Distribution Comparison



— Reference Illuminance
— Test Source



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	4%	0%	-5%	-11%	-7%	-1%	9%	8%	9%	1%	-8%	-15%	-16%	-13%	-2%	-2%
R _f VALUE	91	93	90	82	84	85	82	87	86	85	84	78	79	83	84	87

Colors are for visual orientation purposes only