

DATE

PROJECT

TYPE

# R6 KB SERIES | 6-Inch Downlights with BIOS SkyBlue™ Technology Photometrics

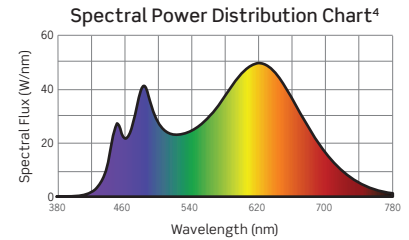
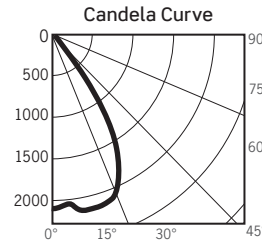
## PHOTOMETRICS

### R6\*535KB12DBS / C6322M-CLR: 6-Inch Downlight, Medium Beam, Clear Reflector

LM-63 Test No. G21093001; LM-79 Test No. S21093001

Fixture Delivered Lumens: 2219.2  
 Total Watts@120V: 38.5  
 Lumens Per Watt: 57.6  
 Center Beam Candle Power: 2069  
 Beam Distribution: 67.8°  
 Spacing Criterion: 0.98  
 Color Rendering Index (CRI)1: 84.8  
 Color Temperature (CCT)2: 3238K  
 Peak Sensitivity: 490nm  
 R9 Value: 93.3  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	57.5	8.1
8 FT	32.3	10.8
10 FT	20.7	13.5
12 FT	14.4	16.1
14 FT	10.6	18.8
16 FT	8.1	21.5

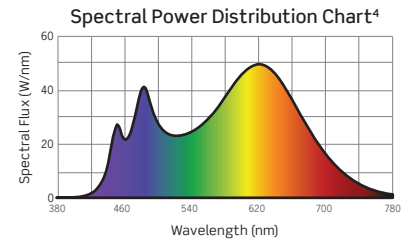
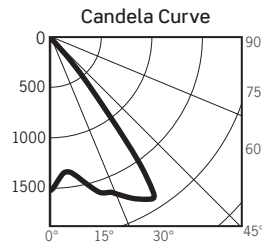


### R6\*535KB12DBS / C6322W-CLR: 6-Inch Downlight, Wide Beam, Clear Reflector

LM-63 Test No. G21093002; LM-79 Test No. S21093001

Fixture Delivered Lumens: 2296.7  
 Total Watts@120V: 38.5  
 Lumens Per Watt: 59.7  
 Center Beam Candle Power: 1491  
 Beam Distribution: 74.5°  
 Spacing Criterion: 1.10  
 Color Rendering Index (CRI)1: 84.8  
 Color Temperature (CCT)2: 3238K  
 Peak Sensitivity: 490nm  
 R9 Value: 93.3  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	41.4	9.1
8 FT	23.3	12.2
10 FT	14.9	15.2
12 FT	10.4	18.3
14 FT	7.6	21.3
16 FT	5.8	24.3

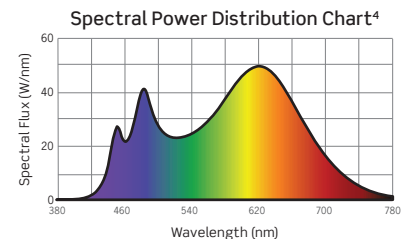
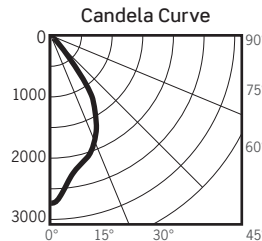


### R6\*535KB12DBS / C6322-PL: 6-Inch Downlight, Platinum Reflector

LM-63 Test No. G21093003; LM-79 Test No. S21093001

Fixture Delivered Lumens: 2267.3  
 Total Watts@120V: 38.5  
 Lumens Per Watt: 58.9  
 Center Beam Candle Power: 2723  
 Beam Distribution: 62.2°  
 Spacing Criterion: 0.94  
 Color Rendering Index (CRI)1: 84.8  
 Color Temperature (CCT)2: 3238K  
 Peak Sensitivity: 490nm  
 R9 Value: 93.3  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	75.6	7.2
8 FT	42.5	9.7
10 FT	27.2	12.1
12 FT	18.9	14.5
14 FT	13.9	16.9
16 FT	10.6	19.3



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

C6322W-CLR	C6322-PL	C6322-WHT	C6323-CLR
1.03	1.02	0.91	0.74

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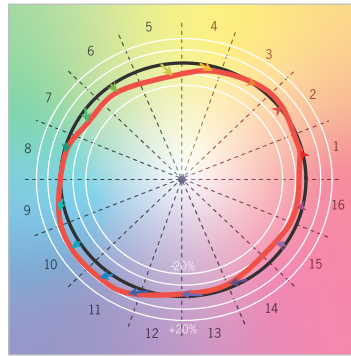
## PHOTOMETRICS: TM-30 DATA

**R6\*535KB12DBS / C6322M-CLR**

ANSI/IES TM-30-18 Color Rendition Report Test No. S21093001

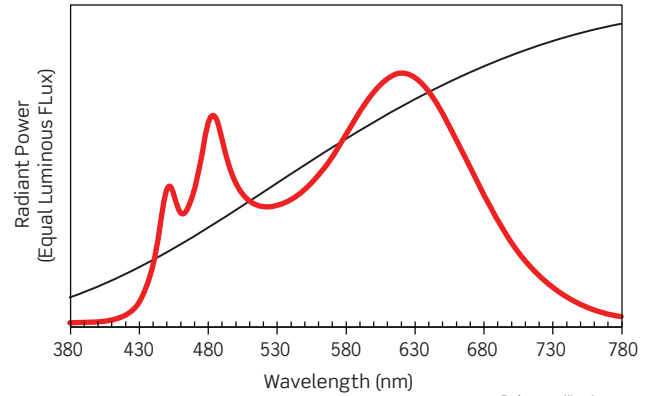
$R_f$	86
$R_g$	96
CCT(K)	3238K
$D_{uv}$	-0.0098
$u^l$	0.2469
$v^l$	0.5031

Color Vector Graphic

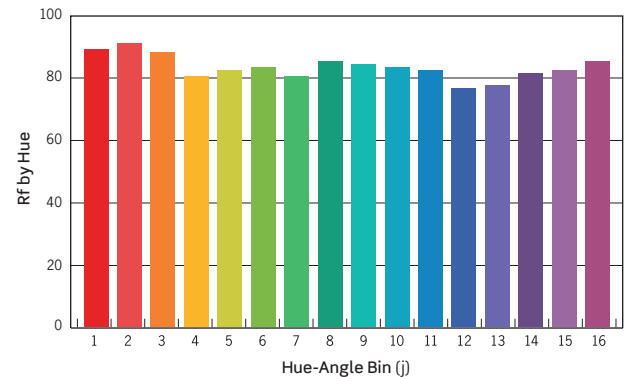
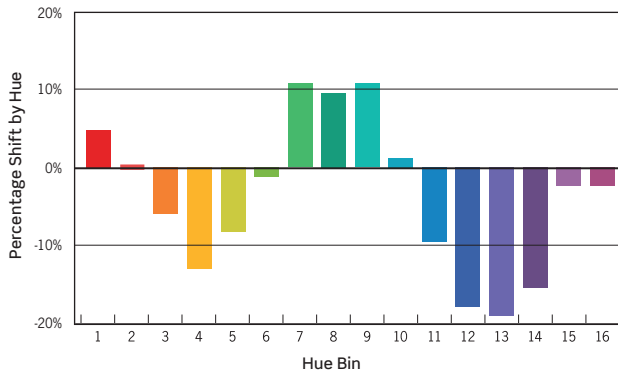


— Reference Illuminance  
— Test Source

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%	-10%	-7%	-1%	9%	8%	9%	1%	-8%	-15%	-16%	-13%	-2%	-2%
R <sub>f</sub> VALUE	91	93	90	82	84	85	82	87	86	85	84	78	79	83	84	87

Colors are for visual orientation purposes only