

DATE

PROJECT

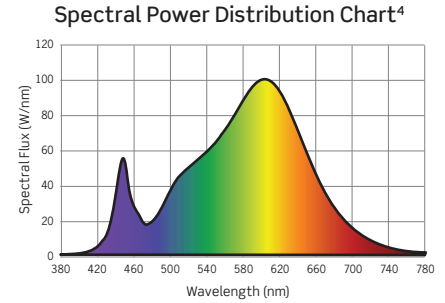
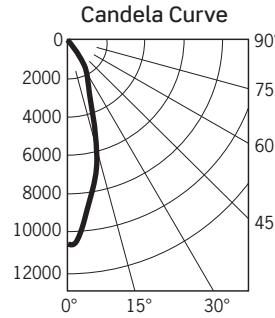
TYPE

R6 SERIES | 6-Inch Round Downlight Photometrics

R6NC630K12D / C6322N-CLR

Fixture Delivered Lumens: 4152.8
 Total Watts@120V: 45.0
 Lumens Per Watt: 92.3
 Center Beam Candle Power: 10628
 Beam Distribution: 31.5°
 Spacing Criterion: 0.53
 Color Rendering Index (CRI)¹: 83.4
 Color Temperature (CCT)²: 3065K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21070804
 LM-79 Test No. S21072002

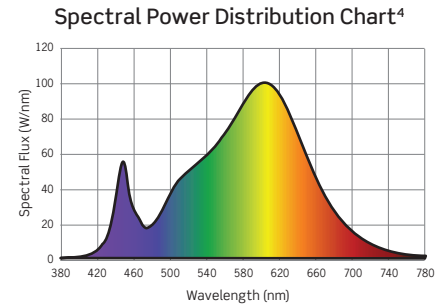
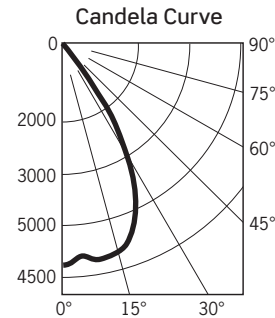
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	295.2	3.4
8 FT	166.1	4.5
10 FT	106.3	5.7
12 FT	73.8	6.8
14 FT	54.2	7.9
16 FT	41.5	9.0



R6NC630K12D / C6322M-CLR

Fixture Delivered Lumens: 4069.6
 Total Watts@120V: 45.0
 Lumens Per Watt: 90.4
 Center Beam Candle Power: 4259
 Beam Distribution: 65.1°
 Spacing Criterion: 0.95
 Color Rendering Index (CRI)¹: 83.4
 Color Temperature (CCT)²: 3065K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21070803
 LM-79 Test No. S21072002

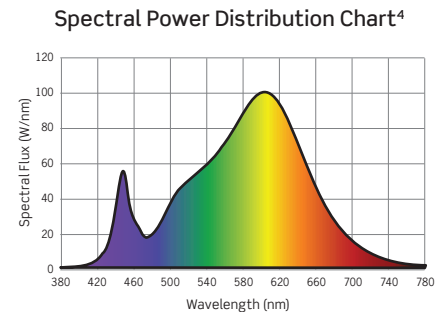
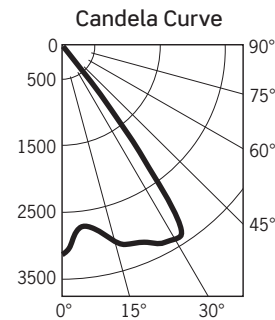
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	118.3	7.7
8 FT	66.5	10.2
10 FT	42.6	12.8
12 FT	29.6	15.3
14 FT	21.7	17.9
16 FT	16.6	20.4



R6NC630K12D / C6322W-CLR

Fixture Delivered Lumens: 4197.4
 Total Watts@120V: 45.0
 Lumens Per Watt: 93.3
 Center Beam Candle Power: 3135
 Beam Distribution: 73.6°
 Spacing Criterion: 1.1
 Color Rendering Index (CRI)¹: 83.4
 Color Temperature (CCT)²: 3065K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21070806
 LM-79 Test No. S21072002

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	87.1	9.0
8 FT	49.0	12.0
10 FT	31.3	15.0
12 FT	21.8	17.9
14 FT	16.0	20.9
16 FT	12.2	23.9



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	12W/SERIES 1	16W/SERIES 2	21W/SERIES 3	30W/SERIES 4	38W/SERIES 5	C6322-PL	C6322-WHT
2700K	0.94	0.70	0.28	0.39	0.54	0.72	0.88	1.02	0.92
3000K	N/A	0.75							
3500K	1.0	0.81							
4000K	1.0	0.87							

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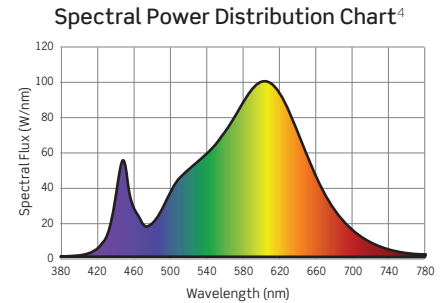
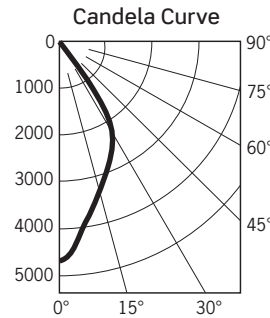
TYPE

R6 SERIES | 6-Inch Round Downlight Photometrics

R6NC630K12D / C6322-PL

Fixture Delivered Lumens: 4141.0
 Total Watts@120V: 45.0
 Lumens Per Watt: 92.0
 Center Beam Candle Power: 5337
 Beam Distribution: 58.5°
 Spacing Criterion: 0.91
 Color Rendering Index (CRI)¹: 83.4
 Color Temperature (CCT)²: 3065K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21070805
 LM-79 Test No. S21072002

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	148.3	6.7
8 FT	83.4	9.0
10 FT	53.4	11.2
12 FT	37.1	13.5
14 FT	27.2	15.7
16 FT	20.8	17.9



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	12W/SERIES 1	16W/SERIES 2	21W/SERIES 3	30W/SERIES 4	38W/SERIES 5	C6322-PL	C6322-WHT
2700K	0.94	0.70	0.28	0.39	0.54	0.72	0.88	1.02	0.92
3000K	N/A	0.75							
3500K	1.0	0.81							
4000K	1.0	0.87							

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R6 SERIES | 6-Inch Round Downlight Photometrics

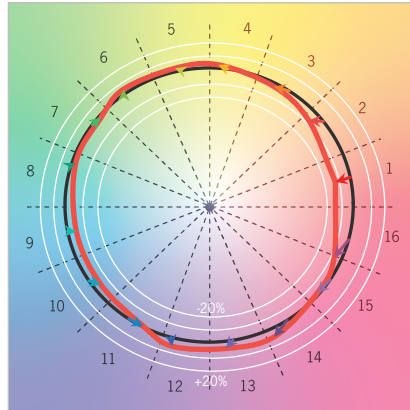
TM-30 DATA: R6NC630K12D / C6322M-CLR

ANSI/IES TM-30-18 Color Rendition Report Test No. S21072002

Colors are for visual orientation purposes only

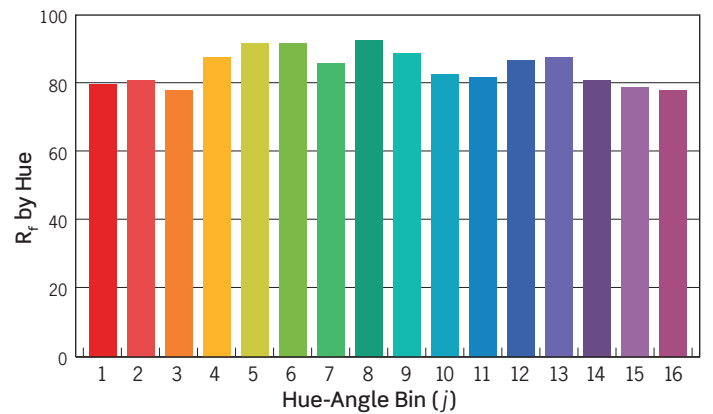
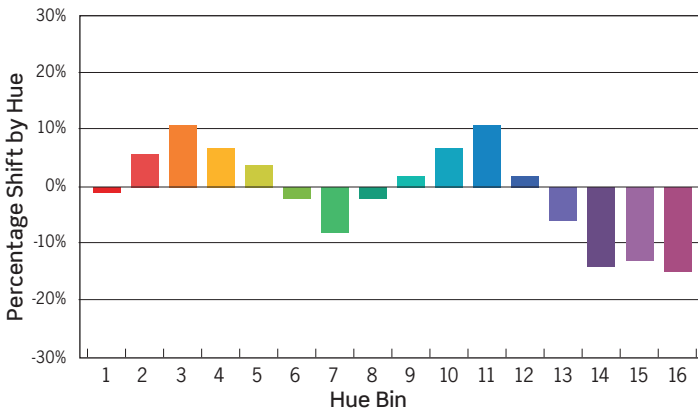
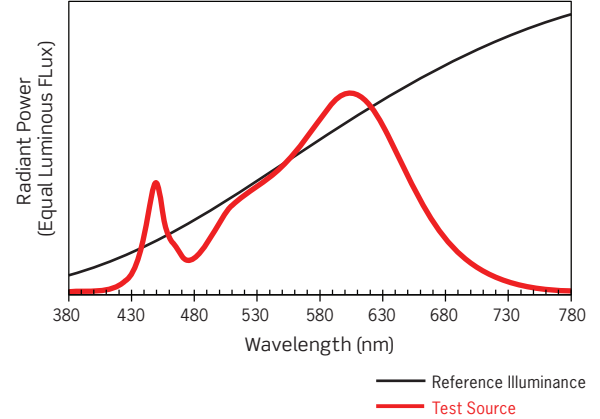
R_f	86
R_g	97
CCT(K)	3065K
D_{uv}	0.0017
u^I	0.2477
v^I	0.5224

Color Vector Graphic



— Reference Illuminance — Test Source

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%	1%	7%	11%	2%	-6%	-14%	-13%	-15%
R _f VALUE	81	82	79	88	93	93	87	94	91	85	83	88	89	82	80	80