

DATE

PROJECT

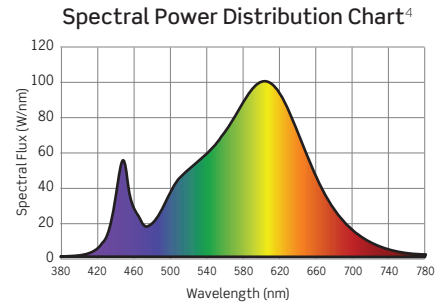
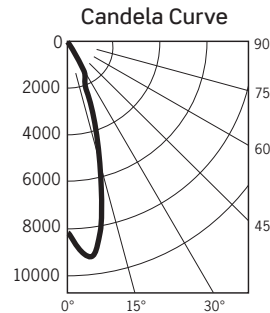
TYPE

R4 SERIES | 4-Inch Round Downlight Photometrics

R4NC630K12D / C4322N-CLR

Fixture Delivered Lumens: 4105.5
 Total Watts@120V: 45.2
 Lumens Per Watt: 90.8
 Center Beam Candle Power: 8153
 Beam Distribution: 35.5°
 Spacing Criterion: 0.60
 Color Rendering Index (CRI)¹: 83.3
 Color Temperature (CCT)²: 3079K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21070604
 LM-79 Test No. S21072001

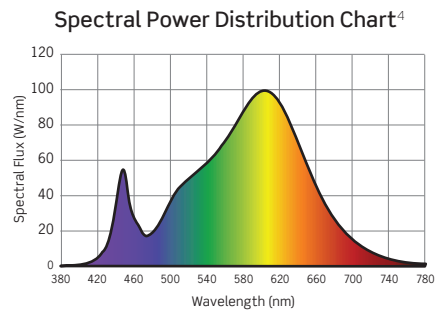
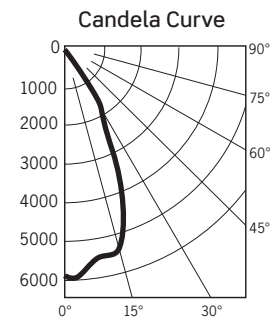
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	226.5	3.8
8 FT	127.4	5.1
10 FT	81.5	6.4
12 FT	56.6	7.7
14 FT	41.6	9.0
16 FT	31.8	10.2



R4NC630K12D / C4322M-CLR

Fixture Delivered Lumens: 4176.6
 Total Watts@120V: 45.2
 Lumens Per Watt: 92.4
 Center Beam Candle Power: 5860
 Beam Distribution: 51.2°
 Spacing Criterion: 0.79
 Color Rendering Index (CRI)¹: 83.3
 Color Temperature (CCT)²: 3079K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21070605
 LM-79 Test No. S21072001

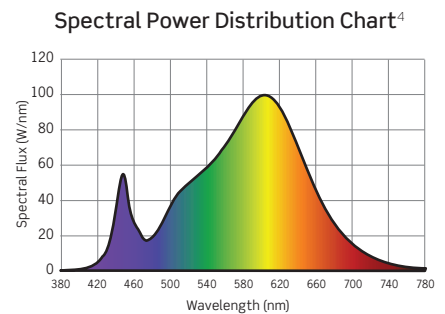
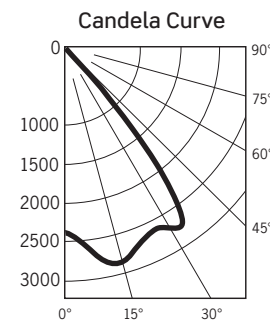
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	162.8	5.8
8 FT	91.6	7.7
10 FT	58.6	9.6
12 FT	40.7	11.5
14 FT	29.9	13.4
16 FT	22.9	15.3



R4NC630K12D / C4322W-CLR

Fixture Delivered Lumens: 4220.8
 Total Watts@120V: 45.2
 Lumens Per Watt: 93.4
 Center Beam Candle Power: 2402
 Beam Distribution: 80.0°
 Spacing Criterion: 1.2
 Color Rendering Index (CRI)¹: 83.3
 Color Temperature (CCT)²: 3079K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21070602
 LM-79 Test No. S21072001

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	66.7	10.1
8 FT	37.5	13.4
10 FT	24.0	16.8
12 FT	16.7	20.2
14 FT	12.3	23.5
16 FT	9.4	26.9



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	C4322-PL	C4322-WHT
2700K	0.94	0.70	0.28	0.39	0.54	0.72	0.89	0.91	0.93
3000K	N/A	0.75							
3500K	1.0	0.81							
4000K	1.0	0.87							

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R4 SERIES | 4-Inch Round Downlight Photometrics

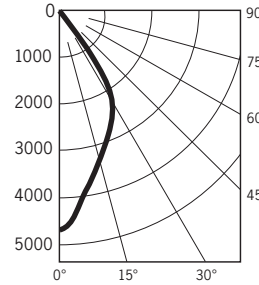
R4NC630K12D / C4322-PL

Fixture Delivered Lumens: 3781.4
 Total Watts@120V: 45.2
 Lumens Per Watt: 83.7
 Center Beam Candle Power: 4724
 Beam Distribution: 59.0°
 Spacing Criterion: 0.91
 Color Rendering Index (CRI)¹: 83.3
 Color Temperature (CCT)²: 3079K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21070601
 LM-79 Test No. S21072001

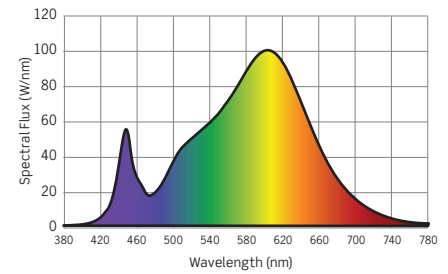
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	131.2	6.8
8 FT	73.8	9.0
10 FT	47.2	11.3
12 FT	32.8	13.5
14 FT	24.1	15.8
16 FT	18.5	18.1

Candela Curve



Spectral Power Distribution Chart⁴



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	C4322-PL	C4322-WHT
2700K	0.94	0.70	0.28	0.39	0.54	0.72	0.89	0.91	0.93
3000K	N/A	0.75							
3500K	1.0	0.81							
4000K	1.0	0.87							

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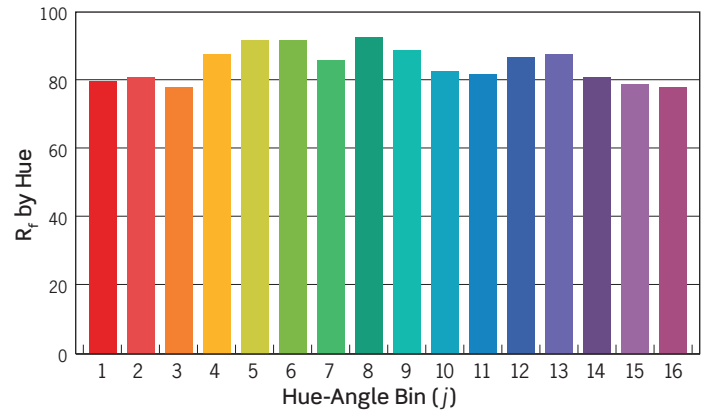
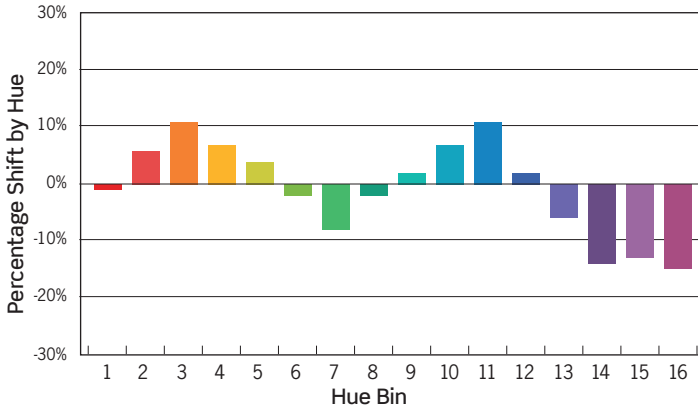
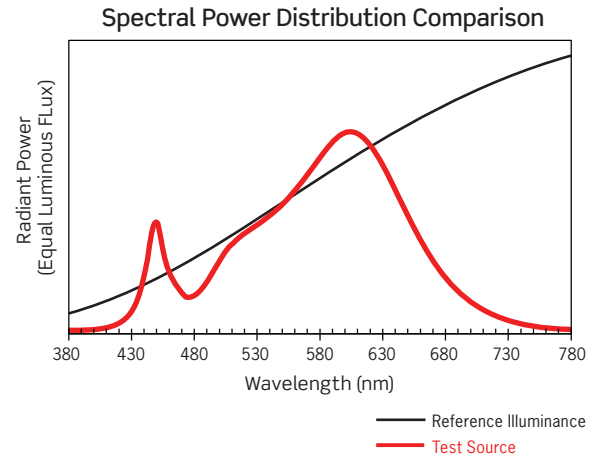
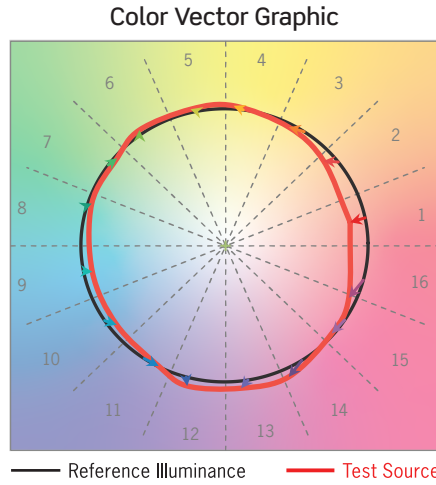
R4 SERIES | 4-Inch Round Downlight Photometrics

TM-30 DATA: R4NC630K12D / C4322M-CLR

ANSI/IES TM-30-18 Color Rendition Report Test No. S21072001

Colors are for visual orientation purposes only

R_f	86
R_g	97
CCT(K)	3079K
D_{uv}	0.0016
u^l	0.2473
v^l	0.5220



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%	11%	2%	-6%	-14%	-13%	-15%
R_f VALUE	81	82	79	89	93	93	87	94	90	84	83	88	89	82	80	79