

SDR Series Surface Mount Downlight

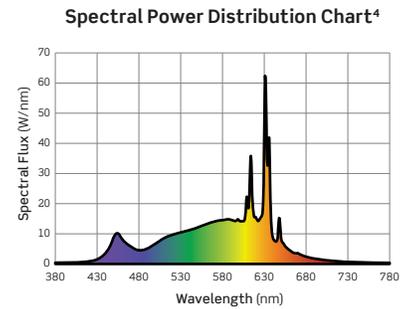
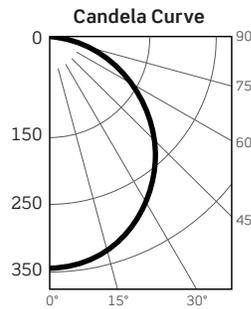
DATE	PROJECT
TYPE	CATALOG NO.

PHOTOMETRICS

SDR50-001-S1W: 5-Inch Round Surface Mount Downlight

Fixture Delivered Lumens: 942
 Total Watts@120V: 11.9
 Lumens Per Watt: 79.2
 Center Beam Candle Power: 343
 Beam Distribution: 109°
 Spacing Criterion: 1.35
 Color Rendering Index (CRI)¹: 95.4
 Color Temperature (CCT)²: 2952K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G25081902
 LM-79 Test No. S25081902

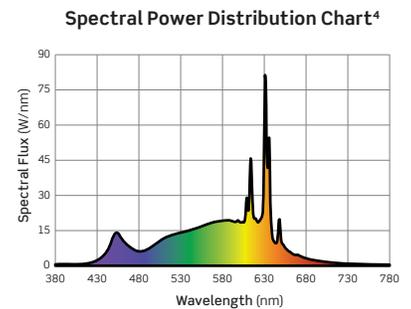
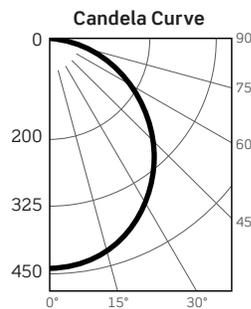
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	9.5	16.9
8 FT	5.4	22.6
10 FT	3.4	28.2
12 FT	2.4	33.9
14 FT	1.8	39.5
16 FT	1.3	45.2



SDR70-001-S1W: 7-Inch Round Surface Mount Downlight

Fixture Delivered Lumens: 1195
 Total Watts@120V: 14.5
 Lumens Per Watt: 82.4
 Center Beam Candle Power: 439
 Beam Distribution: 106°
 Spacing Criterion: 1.34
 Color Rendering Index (CRI)¹: 95.7
 Color Temperature (CCT)²: 3035K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G25081903
 LM-79 Test No. S25082002

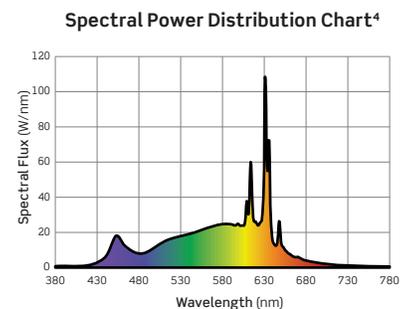
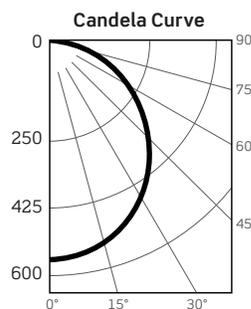
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	12.2	15.9
8 FT	6.9	21.2
10 FT	4.4	26.5
12 FT	3.1	31.9
14 FT	2.2	37.2
16 FT	1.7	42.5



SDR90-001-S1W: 9-Inch Round Surface Mount Downlight

Fixture Delivered Lumens: 1589
 Total Watts@120V: 17.5
 Lumens Per Watt: 87.4
 Center Beam Candle Power: 558
 Beam Distribution: 110°
 Spacing Criterion: 1.34
 Color Rendering Index (CRI)¹: 96.0
 Color Temperature (CCT)²: 2983K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G25082001
 LM-79 Test No. S25082102

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	15.5	17.1
8 FT	8.7	22.8
10 FT	5.6	28.5
12 FT	3.9	34.2
14 FT	2.8	39.9
16 FT	2.2	45.6



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 (CCT), Color Rendering Index (CRI), Trim Finish, and Wattage.

To estimate lumen output of other combinations, multiply the published results by the following factors:

SDR50	
CCT	90+ CRI
2700K	0.96
3000K	1.00
3500K	1.04
4000K	1.02
5000K	0.96

SDR70	
CCT	90+ CRI
2700K	0.94
3000K	1.00
3500K	1.05
4000K	1.04
5000K	0.97

SDR90	
CCT	90+ CRI
2700K	0.96
3000K	1.00
3500K	1.04
4000K	1.03
5000K	0.97

SDR Series Surface Mount Downlight

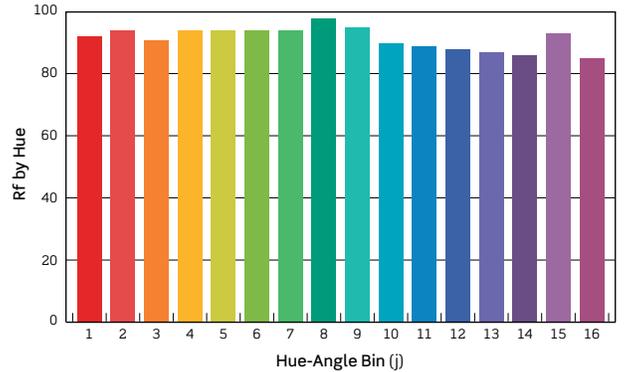
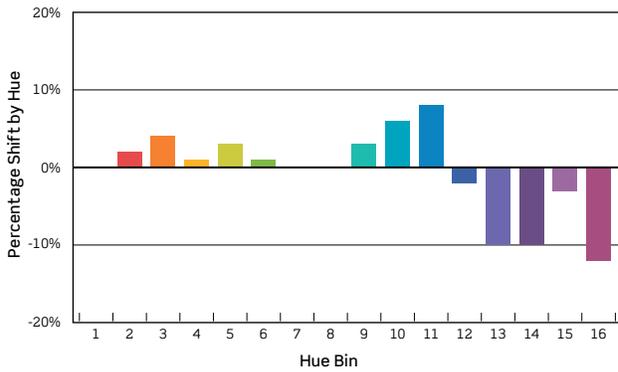
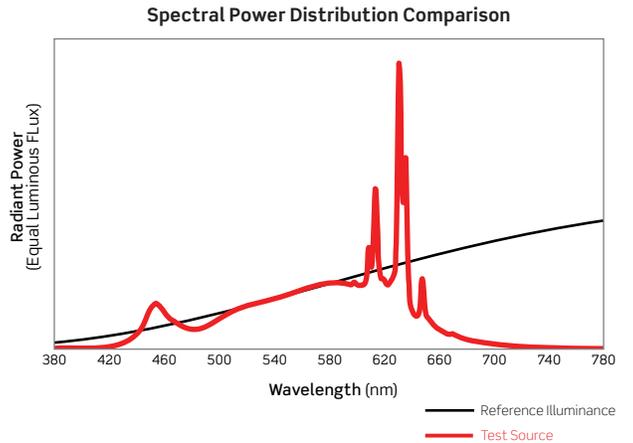
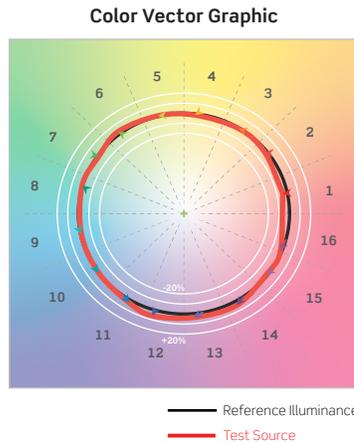
DATE	PROJECT
TYPE	CATALOG NO.

PHOTOMETRICS

TM-30 DATA: SDR50-001-S1W 5-Inch Round Surface Mount Downlight

ANSI/IES TM-30-18 Color Rendition Report Test No. S25081902

R_f	92
R_g	100
CCT(K)	2952K
D_{uv}	-0.0016
u^l	0.2529
v^l	0.5201



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	2%	4%	1%	3%	1%	0%	0%	3%	6%	8%	-2%	-10%	-10%	-3%	-12%
R _f VALUE	92	94	91	94	94	94	94	98	95	90	89	88	87	86	93	85

Colors are for visual orientation purposes only

SDR Series Surface Mount Downlight

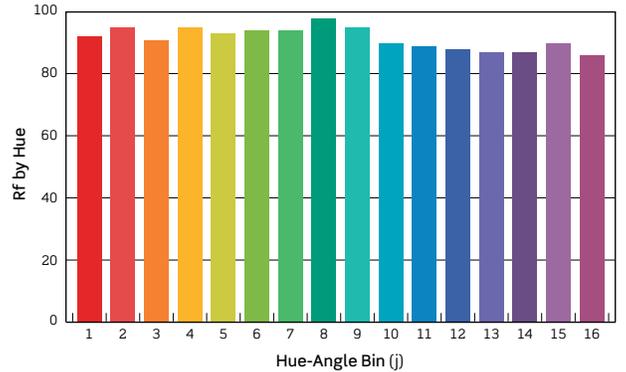
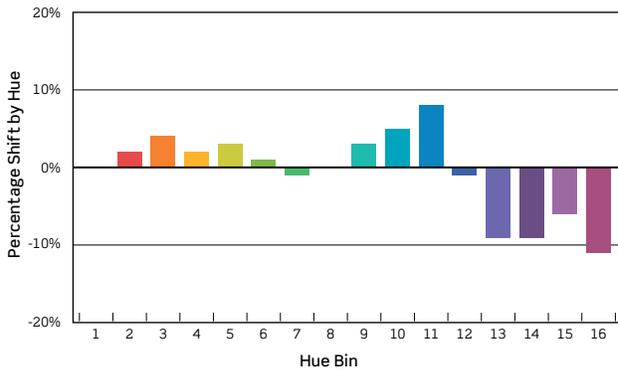
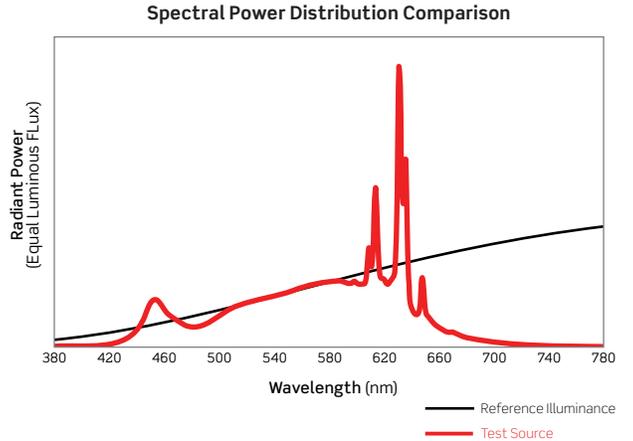
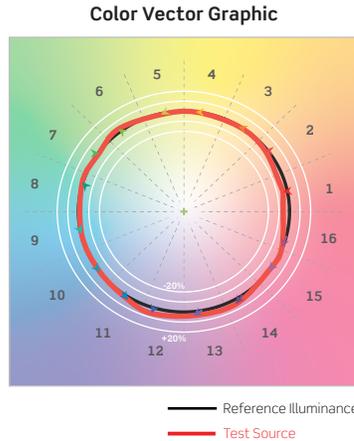
DATE	PROJECT
TYPE	CATALOG NO.

PHOTOMETRICS

TM-30 DATA: SDR70-001-S1W 7-Inch Round Surface Mount Downlight

ANSI/IES TM-30-18 Color Rendition Report Test No. S25082002

R_f	92
R_g	101
CCT(K)	3035K
D_{uv}	-0.0017
u^l	0.2500
v^l	0.5182



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	2%	4%	2%	3%	1%	-1%	0%	3%	5%	8%	-1%	-9%	-9%	-6%	-11%
R _f VALUE	92	95	91	95	93	94	94	98	95	90	89	88	87	87	90	86

Colors are for visual orientation purposes only

SDR Series Surface Mount Downlight

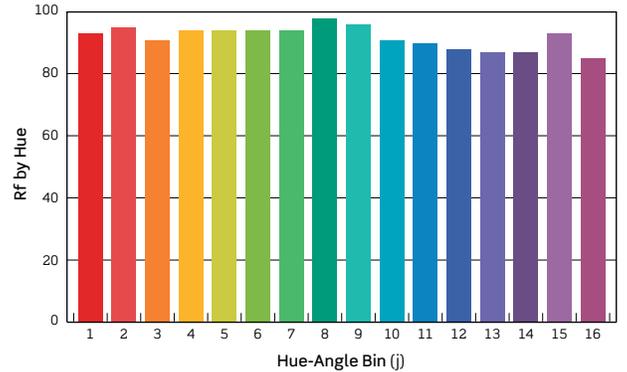
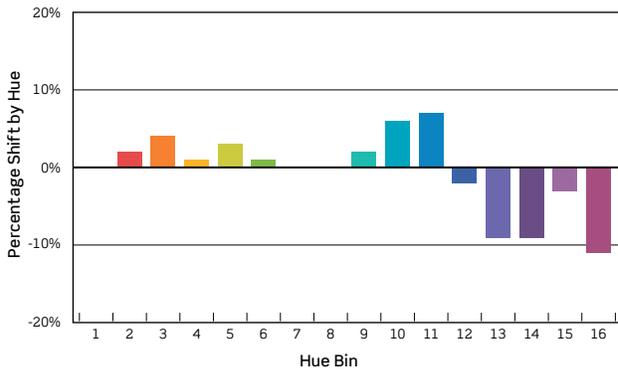
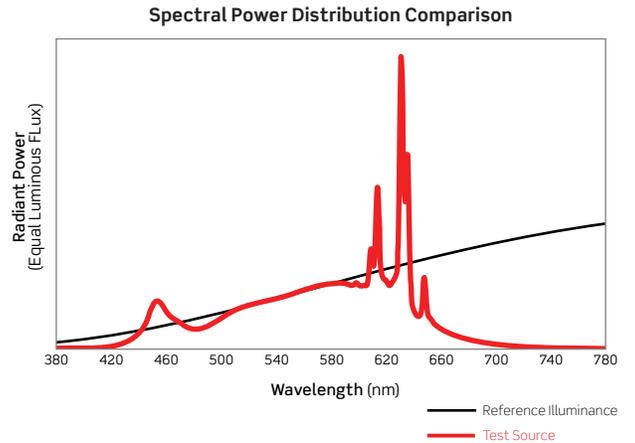
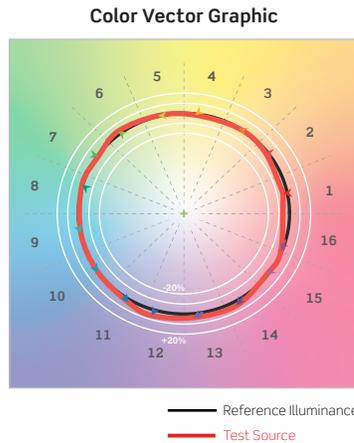
DATE	PROJECT
TYPE	CATALOG NO.

PHOTOMETRICS

TM-30 DATA: SDR90-001-S1W 9-Inch Round Surface Mount Downlight

ANSI/IES TM-30-18 Color Rendition Report Test No. S25082102

R_f	92
R_g	101
CCT(K)	2983K
D_{uv}	-0.0022
u^l	0.2520
v^l	0.5186



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	2%	4%	1%	3%	1%	0%	0%	2%	6%	7%	-2%	-9%	-9%	-3%	-11%
R _f VALUE	93	95	91	94	94	94	94	98	96	91	90	88	87	87	93	85

Colors are for visual orientation purposes only