

FBR Series

2-Hour Fire-Rated Downlight

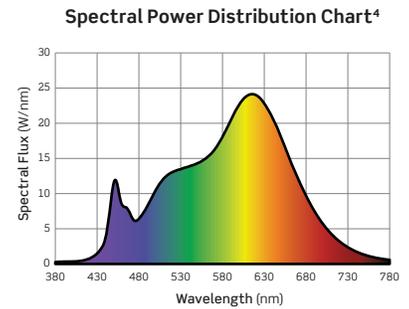
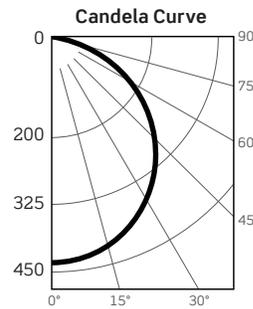
DATE	PROJECT
TYPE	CATALOG NO.

PHOTOMETRICS

FBR40-001-S1W: 4-Inch Round Fire-Rated Baffle Slim Downlight

Fixture Delivered Lumens: 1144
 Total Watts@120V: 11.7
 Lumens Per Watt: 97.8
 Center Beam Candle Power: 432
 Beam Distribution: 109°
 Spacing Criterion: 1.35
 Color Rendering Index (CRI)¹: 94.4
 Color Temperature (CCT)²: 3051K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24120505
 LM-79 Test No. S24120902

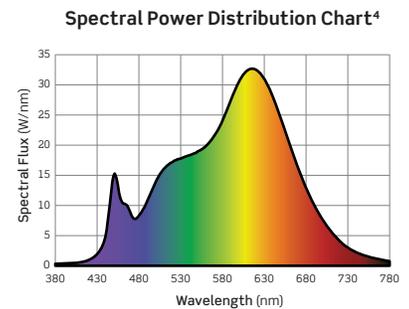
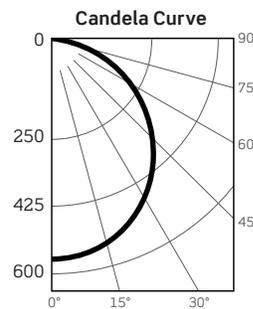
Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	12.0	16.9
8 FT	6.8	22.6
10 FT	4.3	28.2
12 FT	3.0	33.9
14 FT	2.2	39.5
16 FT	1.7	45.1



FBR60-001-S1W: 6-Inch Round Fire-Rated Baffle Slim Downlight

Fixture Delivered Lumens: 1518
 Total Watts@120V: 14.8
 Lumens Per Watt: 102.6
 Center Beam Candle Power: 561
 Beam Distribution: 109°
 Spacing Criterion: 1.35
 Color Rendering Index (CRI)¹: 94.3
 Color Temperature (CCT)²: 2997K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24120602
 LM-79 Test No. S24121002

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	15.6	16.8
8 FT	8.8	22.4
10 FT	5.6	28.0
12 FT	3.9	33.6
14 FT	2.9	39.2
16 FT	2.2	44.8



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:

FBR40	
CCT	90+ CRI
2700K	0.97
3000K	1.00
3500K	1.03
4000K	1.03
5000K	1.01

FBR60	
CCT	90+ CRI
2700K	0.98
3000K	1.00
3500K	1.02
4000K	1.04
5000K	1.03

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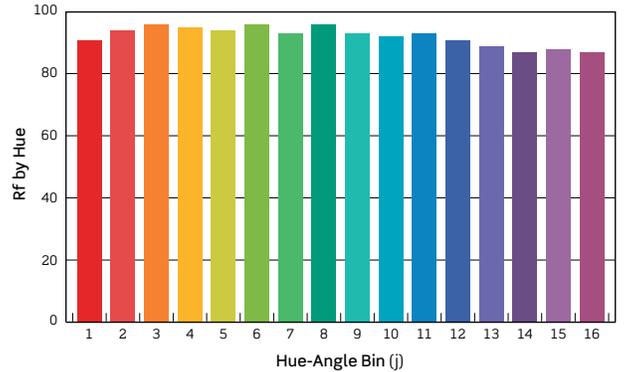
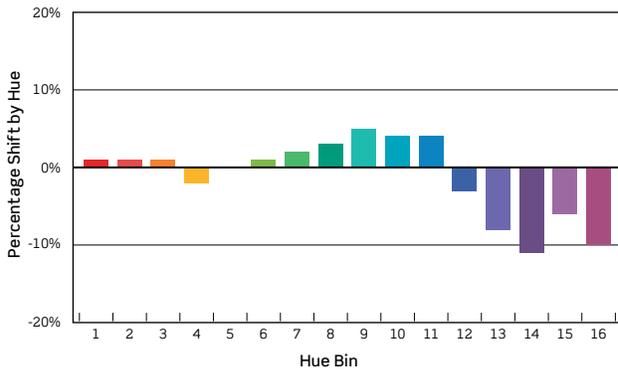
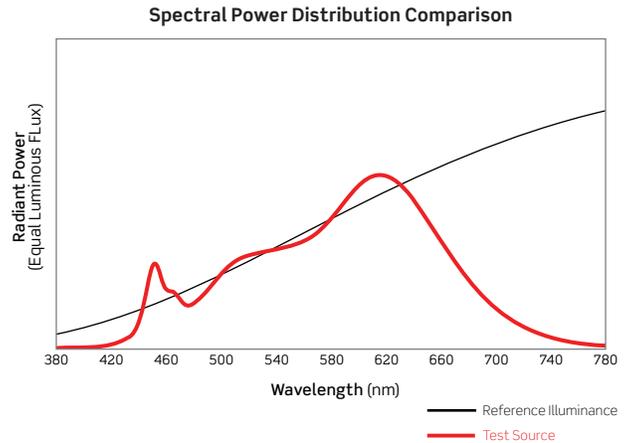
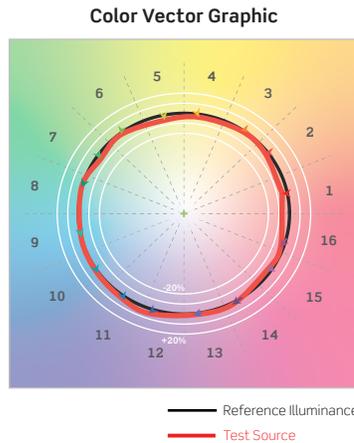
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PHOTOMETRICS

TM-30 DATA: FBR40-001-S1W 4-Inch Round Fire-Rated Baffle Slim Downlight

ANSI/IES TM-30-18 Color Rendition Report Test No. S24120902

R_f	92
R_g	98
CCT(K)	3051K
D_{uv}	0.0009
u^l	0.2485
v^l	0.5216



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	1%	1%	1%	-2%	0%	1%	2%	3%	5%	4%	4%	-3%	-8%	-11%	-6%	-10%
R _f VALUE	91	94	96	95	94	96	93	96	93	92	93	91	89	87	88	87

Colors are for visual orientation purposes only

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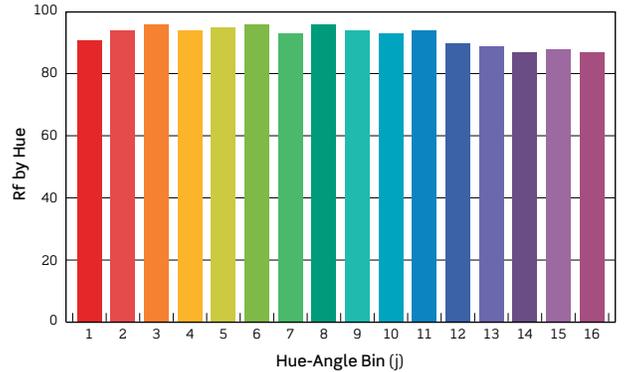
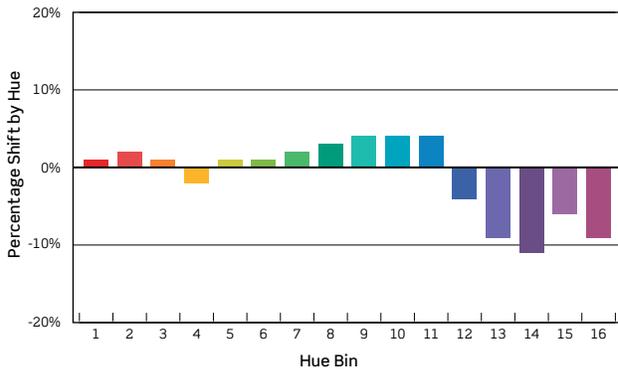
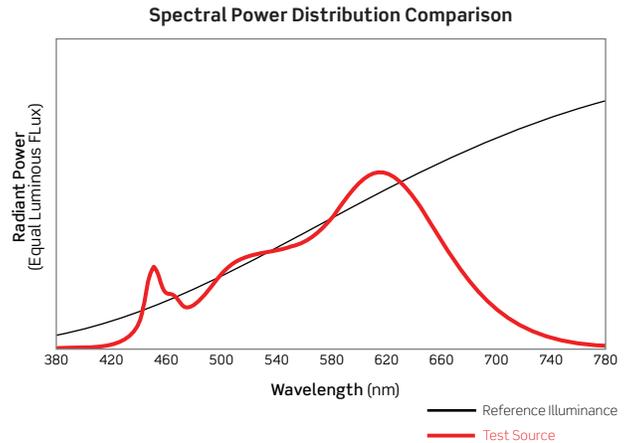
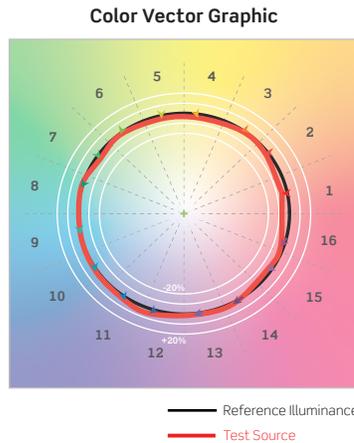
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PHOTOMETRICS

TM-30 DATA: FBR60-001-S1W 6-Inch Round Fire-Rated Baffle Slim Downlight

ANSI/IES TM-30-18 Color Rendition Report Test No. S24121002

R_f	93
R_g	98
CCT(K)	2997K
D_{uv}	0.0009
u^l	0.2504
v^l	0.5227



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	1%	2%	1%	-2%	1%	1%	2%	3%	4%	4%	4%	-4%	-9%	-11%	-6%	-9%
R _f VALUE	91	94	96	94	95	96	93	96	94	93	94	90	89	87	88	87

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