

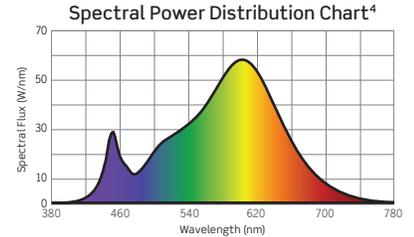
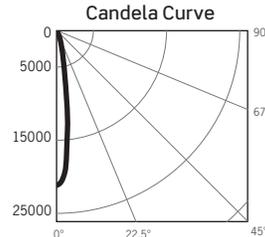
**PLUS SERIES** | P3SD 3-Inch Square Downlight Photometry

**P3SD-20L30KSMVD/P3STR-SL: Spot Beam, Satin Silver Reflector**

Test No. G25092401

Fixture Delivered Lumens: 2032.4  
 Total Watts@120V: 19.6  
 Lumens Per Watt: 103.7  
 Center Beam Candle Power: 21024  
 Beam Distribution: 15.6°  
 Spacing Criterion: 0.25  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3024K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	584.0	1.7
8 FT	328.5	2.2
10 FT	210.2	2.8
12 FT	146.0	3.3
14 FT	107.3	3.9
16 FT	82.1	4.4

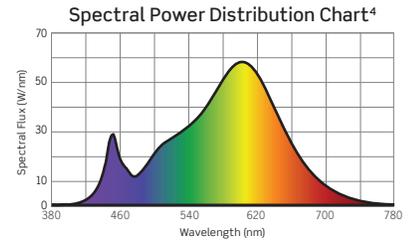
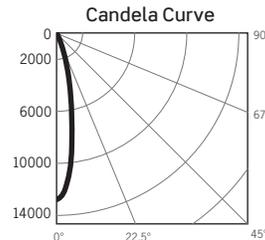


**P3SD-25L30KNMVD/P3STR-SL: Narrow Beam, Satin Silver Reflector**

Test No. G25092402

Fixture Delivered Lumens: 2371.6  
 Total Watts@120V: 26.7  
 Lumens Per Watt: 88.8  
 Center Beam Candle Power: 12822  
 Beam Distribution: 21.7°  
 Spacing Criterion: 0.35  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3024K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	356.2	2.3
8 FT	200.3	3.1
10 FT	128.2	3.8
12 FT	89.0	4.6
14 FT	65.4	5.4
16 FT	50.1	6.1

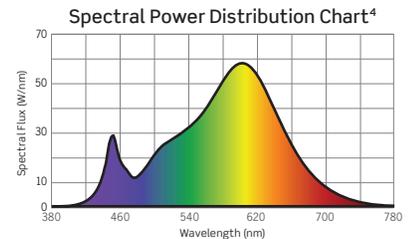
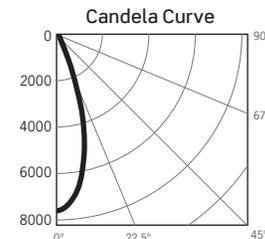


**P3SD-25L30KMMVD/P3STR-SL: Medium Beam, Satin Silver Reflector**

Test No. G25092501

Fixture Delivered Lumens: 2756.3  
 Total Watts@120V: 26.7  
 Lumens Per Watt: 103.2  
 Center Beam Candle Power: 7615  
 Beam Distribution: 35.1°  
 Spacing Criterion: 0.58  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3024K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	211.5	3.8
8 FT	119.0	5.1
10 FT	76.1	6.3
12 FT	52.9	7.6
14 FT	38.9	8.9
16 FT	29.7	10.1



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:

CCT MULTIPLIERS		
CCT	80+ CRI	90+ CRI
2700K	0.95	0.84
3000K	1.00	0.87
3500K	1.02	0.90
4000K	1.04	0.92

OUTPUT MULTIPLIERS				
BEAM	10L	15L	20L	25L
SPOT	0.52	0.72	1.00	N/A
ALL OTHERS	0.39	0.54	0.75	1.00

TRIM FINISH MULTIPLIERS		
FINISH	P3STR REFLECT.	P3STB BEVEL
SATIN SILVER	1.00	N/A
MATTE WHITE	1.02	1.00
MATTE BLACK	0.94	0.98

**PLUS SERIES** | P3SD 3-Inch Square Downlight Photometry

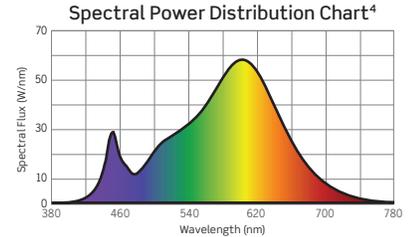
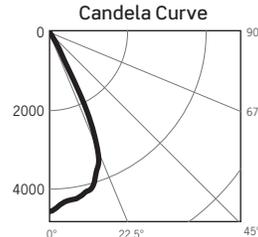
**P3SD-25L30KFMVD/P3STR-SL: Flood Beam, Satin Silver Reflector**

Test No. G25092502

Fixture Delivered Lumens: 2769.9  
 Total Watts@120V: 26.7  
 Lumens Per Watt: 103.7  
 Center Beam Candle Power: 4570  
 Beam Distribution: 51.7°  
 Spacing Criterion: 0.87  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3024K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

**Intensity Distribution**

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	127.0	5.8
8 FT	71.4	7.8
10 FT	45.7	9.7
12 FT	31.7	11.6
14 FT	23.3	13.6
16 FT	17.9	15.5



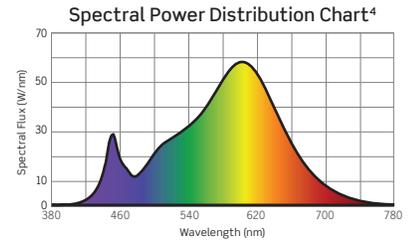
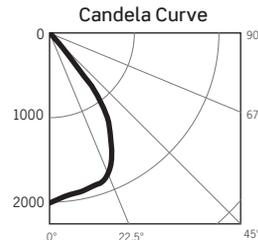
**P3SD-25L30KWMVD/P3STR-SL: Wide Flood Beam, Satin Silver Reflector**

Test No. G25092503

Fixture Delivered Lumens: 2498.9  
 Total Watts@120V: 26.8  
 Lumens Per Watt: 93.2  
 Center Beam Candle Power: 2001  
 Beam Distribution: 72.4°  
 Spacing Criterion: 1.11  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3024K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

**Intensity Distribution**

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	55.6	8.8
8 FT	31.3	11.7
10 FT	20.0	14.7
12 FT	13.9	17.6
14 FT	10.2	20.5
16 FT	7.8	23.4



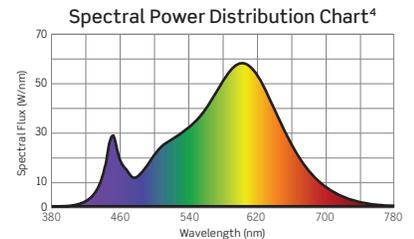
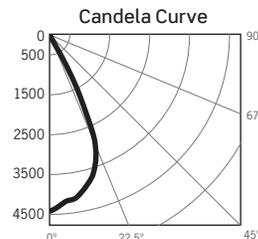
**P3SD-25L30KFMVD/P3STB-WHT: Flood Beam, White Bevel Trim**

Test No. G25093001

Fixture Delivered Lumens: 2519.0  
 Total Watts@120V: 26.8  
 Lumens Per Watt: 94.0  
 Center Beam Candle Power: 4442  
 Beam Distribution: 48.6°  
 Spacing Criterion: 0.84  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3024K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

**Intensity Distribution**

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	123.4	5.4
8 FT	69.4	7.2
10 FT	44.4	9.0
12 FT	30.8	10.8
14 FT	22.7	12.6
16 FT	17.3	14.5



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:

**CCT MULTIPLIERS**

CCT	80+ CRI	90+ CRI
2700K	0.95	0.84
3000K	1.00	0.87
3500K	1.02	0.90
4000K	1.04	0.92

**OUTPUT MULTIPLIERS**

BEAM	10L	15L	20L	25L
SPOT	0.52	0.72	1.00	N/A
ALL OTHERS	0.39	0.54	0.75	1.00

**TRIM FINISH MULTIPLIERS**

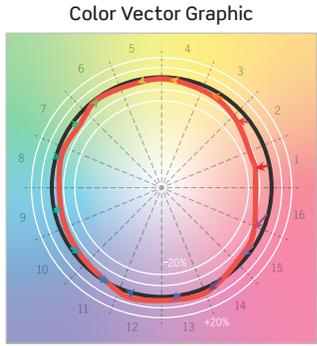
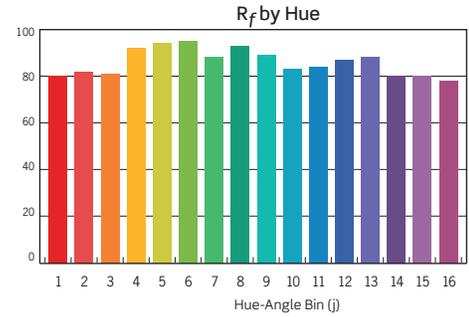
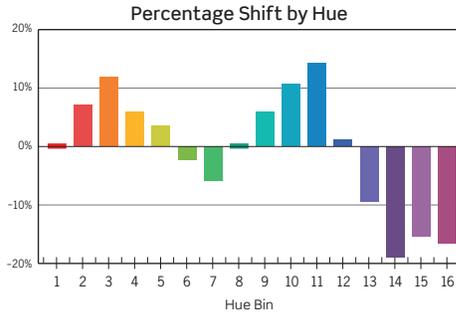
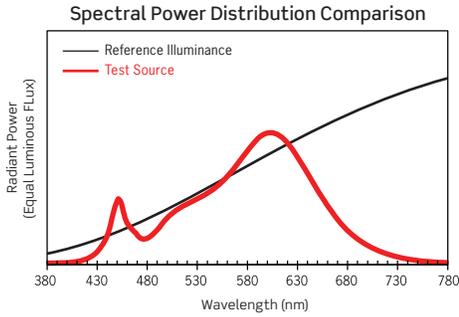
FINISH	P3STR REFLECT.	P3STB BEVEL
SATIN SILVER	1.00	N/A
MATTE WHITE	1.02	1.00
MATTE BLACK	0.94	0.98

**PLUS SERIES** | P3SD 3-Inch Square Downlight Photometry

**TM-30 DATA** Colors are for visual orientation purposes only

**P3SD-25L30KFMVD/P3STR-SL: 3000K, 80+ CRI**

ANSI/IES TM-30-18 Color Rendition Report Test No. S25100803

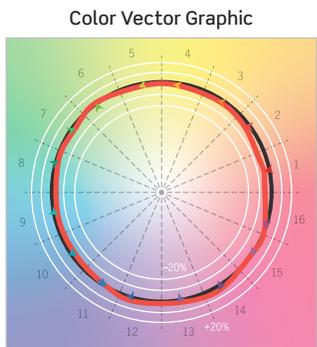
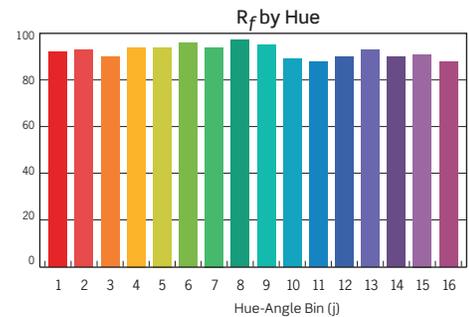
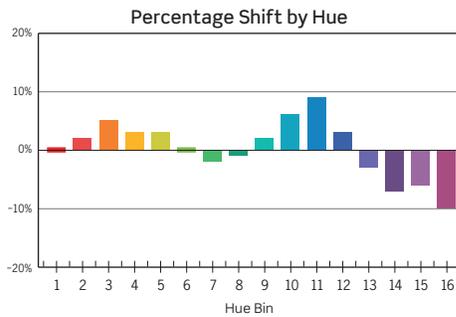
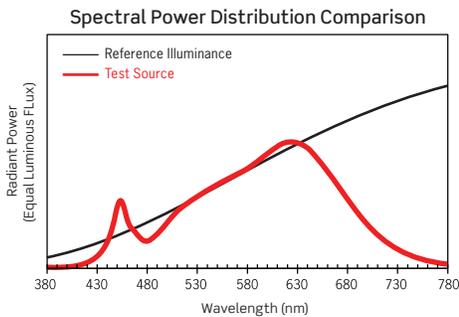


HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	6%	10%	5%	3%	-2%	-5%	0%	5%	9%	12%	1%	-8%	-16%	-13%	-14%
R <sub>f</sub> VALUE	80	82	81	92	94	95	88	93	89	83	84	87	88	80	80	78

R <sub>t</sub>	86
R <sub>g</sub>	95
CCT(K)	3024K
D <sub>uv</sub>	0.0008
u <sup>l</sup>	0.2494
v <sup>l</sup>	0.5220

**P3SD-25L30KCFMVD/P3STR-SL: 3000K, 90+ CRI**

ANSI/IES TM-30-18 Color Rendition Report Test No. S25100802



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	2%	5%	3%	3%	0%	-2%	-1%	2%	6%	9%	3%	-3%	-7%	-6%	-10%
R <sub>f</sub> VALUE	92	93	90	94	94	96	94	97	95	89	88	90	93	90	91	88

R <sub>t</sub>	92
R <sub>g</sub>	100
CCT(K)	3029K
D <sub>uv</sub>	0.0001
u <sup>l</sup>	0.2495
v <sup>l</sup>	0.5210