

## PLUS SERIES | P3SD 3-Inch Square Downlight

A family of Downlights, Adjustables, and Wall Wash luminaires; the PLUS Series provides an exceptional balance of performance, quality and value.



### FEATURES

- Performance:** Providing outstanding performance, the PLUS Series Downlights deliver up to 2800 Lumens, and efficacies over 100 Lumens per Watt
- Visual Comfort:** Precise optical control with five (5) beam distributions from 16° to 72°; Trims feature deep regression with 50° cutoff to source image for visual comfort and glare free apertures
- Light Quality:** Premium quality light source: color consistency within 2 SDCM and excellent color rendering over 90 CRI
- Flexibility:** Designed as a direct install product for effortless installation; additional housing options are available to accommodate a variety of applications



P3RD DOWNLIGHT MODULE	10L	15L	20L	25L
NOMINAL LUMEN OUTPUT <sup>1</sup>	1000Lm	1500Lm	2000Lm	2500Lm
NOMINAL WATTAGE	10W	14W	20W	28W
INPUT VOLTAGE	120V - 277V / 347V			
COLOR TEMPERATURE   CRI	2700K / 3000K / 3500K / 4000K   80 / 90+ CRI			
BEAM DISTRIBUTIONS	Spot (16°), Narrow (22°), Medium (35°), Flood (52°), Wide Flood (72°)			
DRIVER DIMMING OPTIONS	Phase (Forward / Reverse), 0-10V, Lutron EcoSystem, DALI			
MOUNTING OPTIONS	Direct Mount Remodel Non-IC New Construction Frame Insulated Ceiling (IC) / StopAire™ / Chicago Plenum Housing			
LISTINGS	cCSAus Certified to UL and CSA Standards; Suitable for Damp Locations ICSA Housing / Chicago Plenum Housing is CCEA Listed ICSA Housing conforms to Washington State Energy Code (WSEC) for Low Air Infiltration; tested in accordance with ASTM E283 (2.0 CFM or less) ENERGY STAR® Certified <sup>2</sup> Can be used to comply with CEC Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements <sup>2</sup>			
WARRANTY	Five (5) year replacement after date of purchase Emergency battery backup option covered by a one (1) year replacement guarantee after date of purchase			
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance			

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information  
 2. Some restrictions apply, see Certification section of Product Specifications (page 4) for details

## PLUS SERIES | P3SD 3-Inch Square Downlight

### ORDERING INFORMATION

Example Order: P3SD-25L30KFMVD2 / P3STR-SL / P3SD-NC

#### MODULE ORDERING INFORMATION

Series	Lumens	CCT/CRI	Beam Dist.	Electrical/Driver	Options
<b>P3SD</b> PLUS Series 3-Inch Square Downlight	<b>10L</b> 1000Lm <b>15L</b> 1500Lm <b>20L</b> 2000Lm <b>25L</b> <sup>3,4</sup> 2500Lm	<b>80+</b> CRI <b>27K</b> 2700K <b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K 90+ CRI <b>27KC</b> 2700K <b>30KC</b> 3000K <b>35KC</b> 3500K <b>40KC</b> 4000K	<b>S</b> <sup>3,5</sup> 16° Spot <b>N</b> 22° Narrow <b>M</b> 35° Medium <b>F</b> 52° Flood <b>W</b> 72° Wide Flood	ALL MVD DRIVER OPTIONS ARE MULTI-VOLT: 120 - 277V <b>MVD</b> Phase (Forward/Reverse)/ 0-10V Dimming <b>MVD2</b> 0-10V, 1% Dimming <b>MVD4</b> Lutron Hi-lume EcoSystem 1% Dimming with Soft-on, Fade-to-Black <b>MVD6</b> <sup>6</sup> eldoLED ECOdrive 0-10V, 1% Dimming <b>MVD7</b> <sup>6</sup> eldoLED ECOdrive DALI, 1% Dimming <b>MVD8</b> <sup>6</sup> eldoLED SOLOdrive 0-10V, 0.1% Dimming <b>MVD9</b> <sup>6</sup> eldoLED SOLOdrive DALI, 0.1% Dimming <b>34D2</b> 347V 0-10V Dimming	No Battery Back-Up Leave Blank <b>ER</b> <sup>7</sup> Emergency Battery Backup with Remote Test Switch <b>EI</b> <sup>7</sup> Emergency Battery Backup with Integral Test Switch

3. 25L Lumen Option (28W) is not available with the Spot beam distribution; Spot beam distribution is restricted to the 20L option max.

4. 25L Lumen Option (28W) is not available for use with ICSA Housings and is restricted up to the 20L option max.

5. Spot beam distribution with the Standard ICSA Housing (P3SD-ICSA) is restricted up to the 15L option max

6. eldoLED Drivers are programmed for Linear Curve Dimming as standard; for Logarithmic Curve Dimming, consult factory

7. ER and EI Emergency Battery Backup options can be used for IC and non-IC applications, for Damp Location only

#### TRIM & HOUSING ORDERING INFORMATION

Series	Trim Type	Lens	Trim Options	Trim Finish	Housing Type
<b>P3ST</b> PLUS Series Square Trim	<b>R</b> Reflector <b>B</b> <sup>8</sup> Bevel	No Lens <i>Leave Blank</i> <b>LSOL</b> Wet Listed Trim with Solite Lens <b>LCL</b> Wet Listed Trim with Clear Lens	No Test Switch / Standard Trim <i>Leave Blank</i> <b>EI</b> <sup>9</sup> Reflector for use with Integral Test Switch	<b>SL</b> Satin Silver <b>SLW</b> Satin Silver with White Painted Flange <b>WHT</b> <sup>8</sup> Matte White <b>BLK</b> <sup>8</sup> Matte Black	<b>P3SD-NC</b> Standard New Construction Frame: 8" X 13" <b>P3SA-NC</b> Large New Construction Frame: 10-1/2" x 15" <b>P3SD-ICSA</b> <sup>10</sup> Standard Insulated Ceiling / StopAire™/ Chicago Plenum Housing: 8" X 13" <b>P3SA-ICSA</b> Large Insulated Ceiling / StopAire™/ Chicago Plenum Housing: 10-1/2" x 15"

8. Bevel Style Trim available in Black and White Finishes only

9. Not available with the Bevel Trim

10. P3SD-ICSA Housing is not compatible with ER or EI option; P3SA-ICSA housing must be used

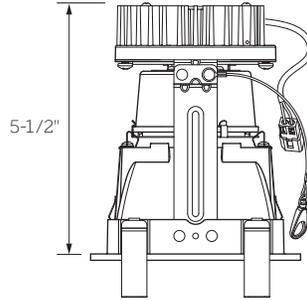
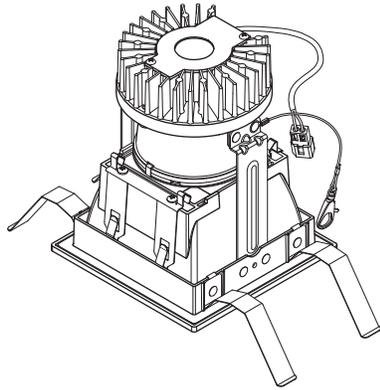
#### ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION

Replacement Optics	NC Frame / ICSA Housing Accessories	Trim Accessories
<b>P3OPT-S</b> <sup>11</sup> Spot Beam <b>P3OPT-N</b> Narrow Beam <b>P3OPT-M</b> Medium Beam <b>P3OPT-F</b> Flood Beam <b>P3OPT-WF</b> Wide Flood Beam	<b>RL-KIT</b> Commercial Mounting Brackets <b>HB-24</b> 27-Inch Flat Hanger Bars for RL-KIT <b>HBC-24</b> 25-Inch C-Channel Hanger Bars for RL-KIT in Grid Ceiling Construction <b>HB-30</b> T-Bar Hanger Set	<b>FA-65</b> 2-9/16-Inch Square Honeycomb Louver <b>2-9/16-Inch Square Tempered Glass Lenses</b> <b>LF51-CL</b> Clear Lens <b>LF51-SL</b> Soft Light Lens <b>LF51-SOL</b> Solite Lens <b>LF51-LS</b> Linear Spread Lens

11. Spot Beam Replacement Optic is only for use on Downlight originally ordered with Spot Beam distribution.  
Not interchangeable with other optics.

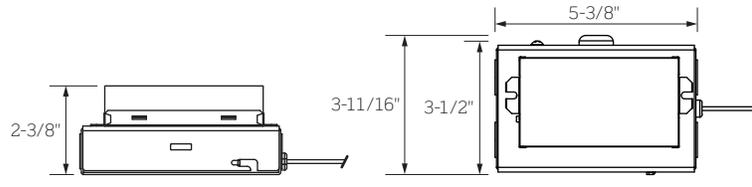
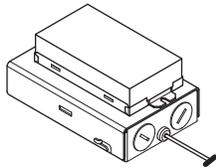
# PLUS SERIES | P3SD 3-Inch Square Downlight

## P3SD MODULE



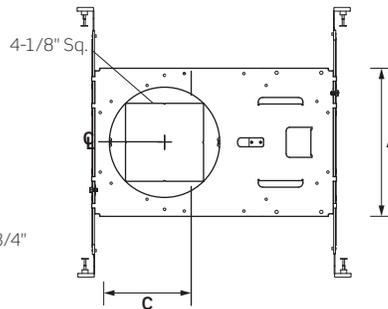
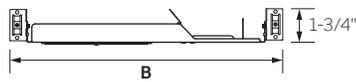
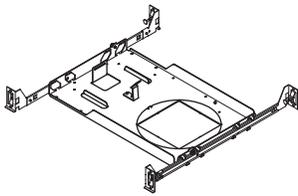
APERTURE	3-1/2" Square
REFLECTOR FLANGE	4-1/2" Square
REFLECTOR FLANGE WIDTH	1/2"
CEILING CUTOUT	4-1/8" Square
CEILING THICKNESS	1/2" to 1-1/2"
MODULE CABLE LENGTH	6"
JUNCTION BOX CABLE LENGTH	16"

## P3 DRIVER



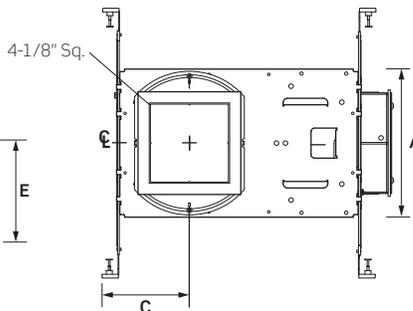
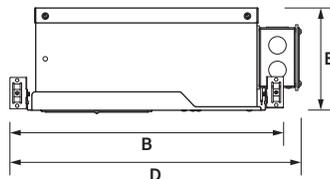
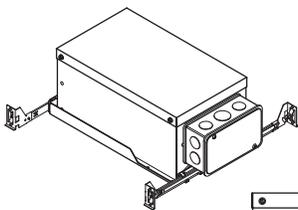
## OPTIONAL P3 SQUARE DOWNLIGHT HOUSINGS

### NEW CONSTRUCTION FRAME



DIMENSION	P3SD-NC STANDARD	P3SA-NC LARGE
A	7-13/16"	10-1/2"
B	14-7/16"	16-1/2"
C	4-9/16"	6"

### INSULATED CEILING/STOPAIRÉ™ (ICSA)



DIMENSION	P3SD-ICSA STANDARD	P3SA-ICSA LARGE
A	7-13/16"	10-1/2"
B	14-7/16"	16-1/2"
C	4-9/16"	6"
D	15-3/8"	17-7/16"
E	5-3/8"	5-3/8"

## PLUS SERIES | P3SD 3-Inch Square Downlight

### PRODUCT SPECIFICATIONS

#### LIGHT ENGINE

- 2700K, 3000K, 3500K and 4000K; 80 or 90 CRI
- Color consistency within 2 SDCM

#### ELECTRICAL/DRIVER

- Driver Options include Universal Voltage 120–277V; 347V optional
- Flicker free Dimming Options include 0–10V, Phase (Forward/Reverse), EldoLED (0–10V and DALI), and Lutron EcoSystem
- All Driver options are field replaceable and accessible from below the ceiling
- Class 2 output with over-voltage, over-current and short circuit protection; >0.9 power factor

#### EMERGENCY BATTERY

- 6W Emergency Battery Backup option provides illumination for a minimum duration of 90 minutes
- Certified to UL924 and CSA 222.2 No. 141 Standards for Emergency Lighting
- Lithium-Ion Battery with self-testing and self-diagnostics
- Available with Integral or Remote Test Switch Options
- Emergency Battery Backup is accessible from below the ceiling
- Meets Title 20 CEC (California Energy Commission) efficiency standards

#### OPTICS

- Five (5) beam distributions are available: Spot (16°), Narrow (22°), Medium (35°), Flood (52°), and Wide Flood (72°)
- Spot Beam product configuration includes a unique 9mm LED to achieve the 16° beam; all other Beam Options include a standard 14mm LED
- Optics are field interchangeable and provide smooth, striation-free beams

#### TRIMS

- Reflectors provide deep regression (>2-1/2-inches) and 50° visual cutoff to source image
- Self-flanged, die-cast Aluminum Reflectors are available in Silver, White, and Black Painted finishes
- A die-cast Bevel Trim is available in White and Black painted finishes, providing a clean, architectural finish
- For Wet Location applications, the trim must include a lens; all Trim Options will accept up to one (1) Lens or Louver. See ordering information for available Tempered Glass Lens options.

#### INSTALLATION

- **CEILING OPENING:** A ceiling cut-out of 4-1/8-inches square is required for direct install and applications utilizing the Non-IC Mounting Frame or ICESA Housing
- **CEILING THICKNESS:** Accommodates ceiling thicknesses of 1/2- to 1-1/2-inches
- A Module Support Ring is provided to facilitate smooth insertion and removal of the Fixture Module when used with Acoustic Ceiling Tiles
- A Safety Tether is included for additional support between the Fixture Module and Junction Box/Driver assembly

#### CONSTRUCTION

- General Fixture construction is designed for quick, direct install into Non-IC applications
- Optional Non-IC Mounting Frame and Insulated Ceiling/StopAire™ (ICESA) Housing available
- Non-IC Mounting Frame is available for new construction applications; includes pre-installed hanger bars and requires a minimum 3-inch clearance around fixture from insulation material
- ICESA Housing is available for new construction applications; includes pre-installed hanger bars and may be used various applications including IC (direct insulation contact), restrictive air flow, and Chicago Plenum
- Downlight Module Quick-connect design enables easy installation and removal of Universal LED Module; four (4) Spring Steel Supports secure Module into Housing/ceiling.
- LED Module consists of a Die-Cast Aluminum Heat Sink and Die-Cast Aluminum Mounting Ring; four (4) Steel Mounting Springs ensure secure mounting
- Junction Box/Driver assembly can be easily accessed from below the ceiling; when used with optional Frame or Housing, it is secured with a positive spring latch design
- Fixture Module Junction Box includes four (4) 1/2-inch screwdriver pry-out knockouts
- ICESA Housing includes Junction Box with six (6) 1/2-inch knockouts and one (1) 3/4-inch knockout
- Approved for through circuit wiring: Max. eight (8) 12 AWG (4 in/4 out), wiring rated to 90°C

#### CERTIFICATION

- cCSAus Certified to UL and CSA Standards; suitable for Damp Locations. Suitable for Wet Locations (covered ceiling) when Trim is used with a Lens Accessory.
- Emergency Battery Backup option is cCSAus certified to UL924 and CSA 222.2 No. 141 Standards for Emergency Lighting
- ICESA Housings meet the air leakage requirements per ASTM E283; conforms to Washington State Energy Code (WSEC) for low air Infiltration
- ICESA Housings are City of Chicago Environmental Air (CCEA) approved
- ENERGY STAR® Certified
  - Includes all lumen packages, all CCT/CRI options, all beam distributions, all Emergency Battery Backup options (ER & EI) and MVD and MVD2 Driver options
  - 347V, Lutron and eldoLED Driver options are not ENERGY STAR® Certified
- Can be used to comply with CEC Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements
  - Includes all lumen packages, all CCT options with 90+ CRI, all beam distributions, all Emergency Battery Backup options (ER & EI) and Driver options MVD and MVD2
  - 347V, Lutron and eldoLED Driver options are not included

# PLUS SERIES | P3SD 3-Inch Square Downlight

## TRIMS AND TRIM ACCESSORIES

### P3STR: Deep Reflector Trims

- Reflector Trims will accept one (1) Lens or Louver
- For Wet Listing, Lens is required



**P3STR-SL**  
Satin Silver



**P3STR-WHT**  
Matte White



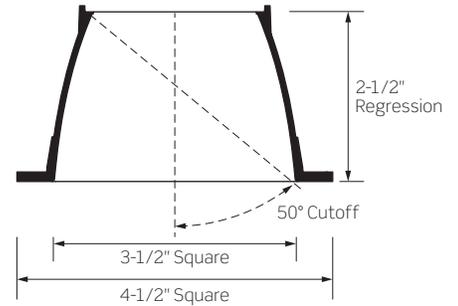
**P3STR-BLK**  
Matte Black



**P3STR-SLW**  
Satin Silver with  
White Painted Flange



Reflector with Optional  
Integral Test Switch;  
P3STREI-SL Shown



### P3STB: Bevel Trims

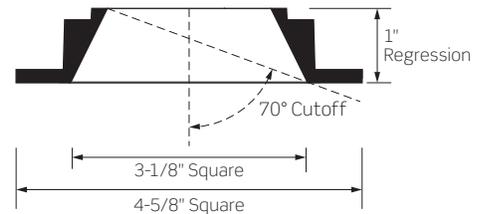
- Bevel Trims will accept one (1) Lens or Louver
- Bevel Style Trim available in Black and White Finishes only
- For Wet Listing, Lens is required



**P3STB-WHT**  
Matte White



**P3STB-BLK**  
Matte Black

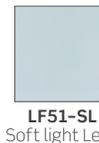


### P3ST TRIM ACCESSORIES: Tempered Glass Lenses & Louver

- All Trim Options will accept up to one (1) 2-9/16-inch Lens or Louver
- For Wet Location applications, Trim must include a Lens



**LF51-CL**  
Clear Lens



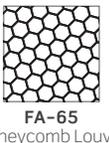
**LF51-SL**  
Soft light Lens



**LF51-SOL**  
Solite Lens



**LF51-LS**  
Linear Spread Lens



**FA-65**  
Honeycomb Louver

### MEDIA MULTIPLIERS

Adding Lenses and Louvers effects lumen output values; to estimate lumen output of these combinations, multiply the published photometric results by the following factors:

MEDIA MULTIPLIERS					
MEDIA	LF51-CL	LF51-LS	LF51-SL	LF51-SOL	FA-65
MULTIPLIER	0.93	0.75	0.73	0.93	0.60

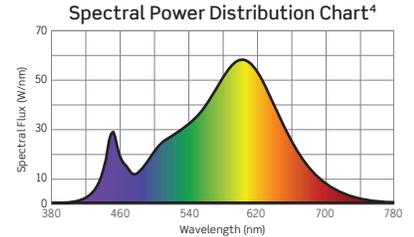
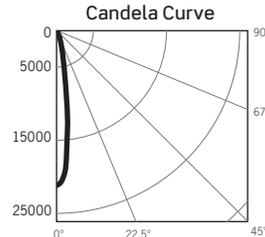
**PLUS SERIES** | P3SD 3-Inch Square Downlight Photometry

**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

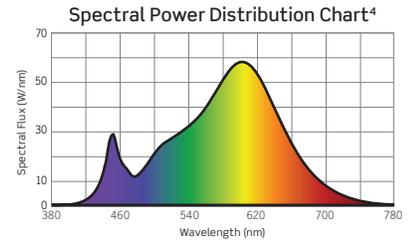
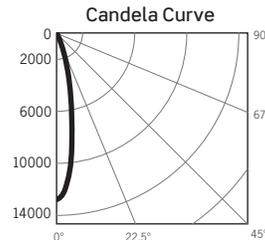


**P3SD-25L30KNMVD/P3STR-SL: Narrow Beam, Satin Silver Reflector**

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

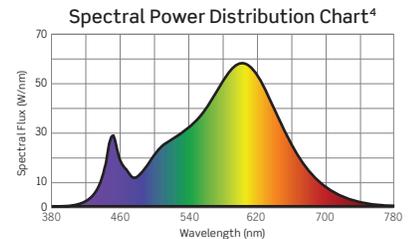
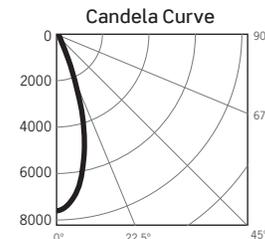


**P3SD-25L30KMMVD/P3STR-SL: Medium Beam, Satin Silver Reflector**

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

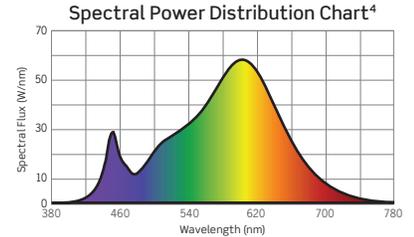
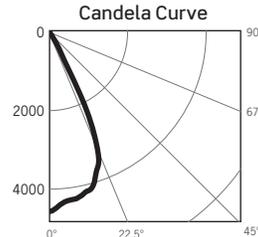
**P3SD-25L30KFMVD/P3STR-SL: Flood Beam, Satin Silver Reflector**

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



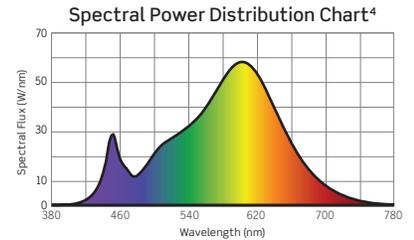
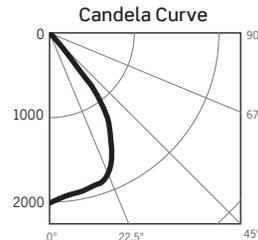
**P3SD-25L30KWMVD/P3STR-SL: Wide Flood Beam, Satin Silver Reflector**

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



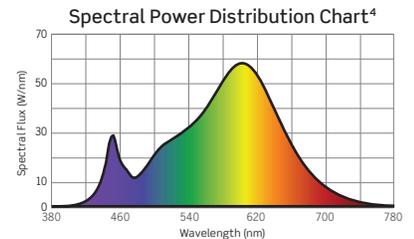
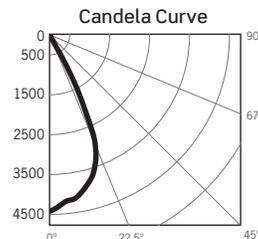
**P3SD-25L30KFMVD/P3STB-WHT: Flood Beam, White Bevel Trim**

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

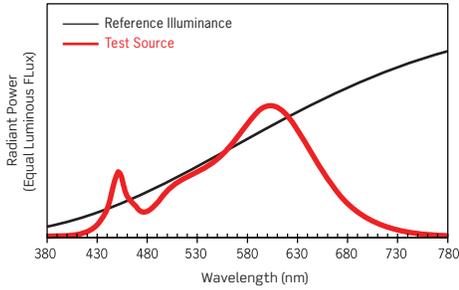
**PLUS SERIES** | P3SD 3-Inch Square Downlight Photometry

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

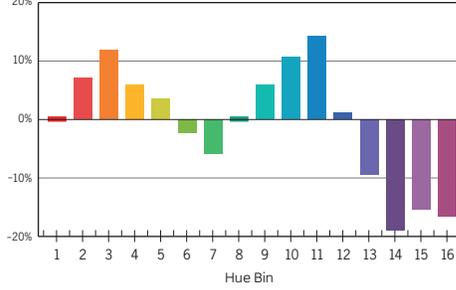
**P3SD-25L30KFMVD/P3STR-SL: 3000K, 80+ CRI**

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

**Spectral Power Distribution Comparison**



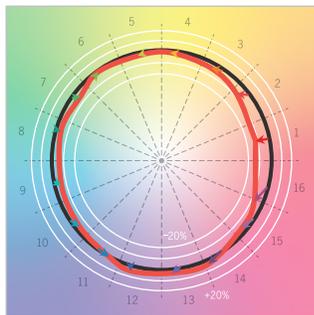
**Percentage Shift by Hue**



**R<sub>f</sub> by Hue**



**Color Vector Graphic**



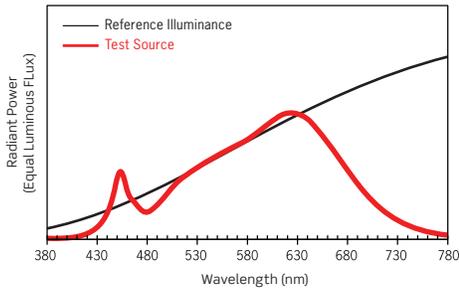
HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	6%	10%	5%	3%	-2%	-5%	0%	5%	9%	12%	1%	-8%	-16%	-13%	-14%
R <sub>f</sub> VALUE	80	82	81	92	94	95	88	93	89	83	84	87	88	80	80	78

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

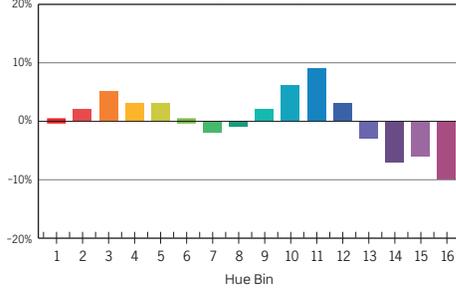
**P3SD-25L30KCFMVD/P3STR-SL: 3000K, 90+ CRI**

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

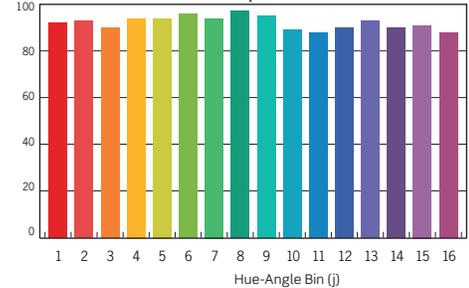
**Spectral Power Distribution Comparison**



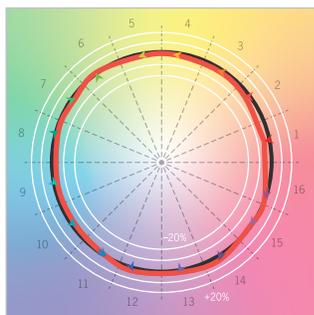
**Percentage Shift by Hue**



**R<sub>f</sub> by Hue**



**Color Vector Graphic**



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