

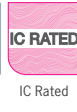
## PLUS SERIES | P3RD 3-Inch Round Downlight

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 118 Lumens per Watt
- **Visual Comfort:** Precise optical control with five (5) beam distributions from 15° to 73°; 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 (15°), Narrow (20°), Medium (34°), Flood (50°), Wide Flood (73°)			
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	cSAus 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 | P3RD 3-Inch Round Downlight

### ORDERING INFORMATION

Example Order: P3RD-25L30KFMVD2 / P3RTR-CLR / P3RD-NC

### MODULE ORDERING INFORMATION

Series	Lumens	CCT/CRI	Beam Dist.	Electrical/Driver	Options
<b>P3RD</b> PLUS Series 3-Inch Round 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> 15° Spot <b>N</b> 20° Narrow <b>M</b> 34° Medium <b>F</b> 50° Flood <b>W</b> 73° 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>P3RTR</b> PLUS Series Round Reflector	No Lens <i>Leave Blank</i> <b>LSOL</b> Wet Listed Trim with Solite Lens	No Test Switch/ Standard Trim <i>Leave Blank</i>	<b>CLR</b> Clear Specular <b>CLRW</b> Clear Specular with White Painted Flange	<b>P3RD-NC</b> Standard New Construction Frame: 8" X 13"
<b>P3RTB</b> PLUS Series Round Bevel Trim	<b>LCL</b> Wet Listed Trim with Clear Lens	<b>EI</b> <sup>9</sup> Reflector for use with Integral Test Switch	<b>PL</b> Platinum Semi-Specular <b>PLW</b> Platinum Semi- Specular with White Painted Flange <b>WHT</b> <sup>7</sup> Matte White <b>BLK</b> <sup>7</sup> Matte Black	<b>P3RA-NC</b> Large New Construction Frame: 10-1/2" x 15" <b>P3RD-ICSA</b> <sup>10</sup> Standard Insulated Ceiling/ StopAire™/Chicago Plenum Housing: 8" X 13" <b>P3RA-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

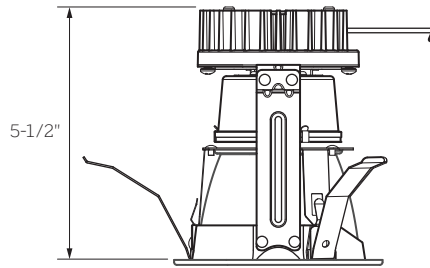
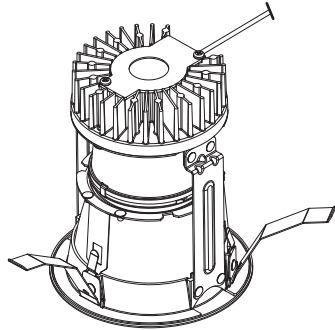
### ACCESSORY & REPLACEMENT OPTIC ORDERING INFORMATION

Replacement Optics	NC Frame / ICESA 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-63</b> Trim Media Retention Spring <b>FA-16-67MM</b> 2-5/8 - Inch Diameter Honeycomb Louver <b>2-5/8 - Inch Diameter Tempered Glass Lenses</b> <b>LF16-CL-67MM</b> Clear Lens <b>LF16-SL-67MM</b> Soft Light Lens <b>LF16-SOL-67MM</b> Solite Lens <b>LF16-LS-67MM</b> Linear Spread Lens <b>LF16-A-67MM</b> Amber Lens <b>LF16-B-67MM</b> Blue Lens <b>LF16-LB-67MM</b> Light Blue Lens <b>LF16-G-67MM</b> Green Lens <b>LF16-R-67MM</b> Red Lens <b>LF16-RO-67MM</b> Rose Lens <b>LF16-Y-67MM</b> Yellow Lens

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

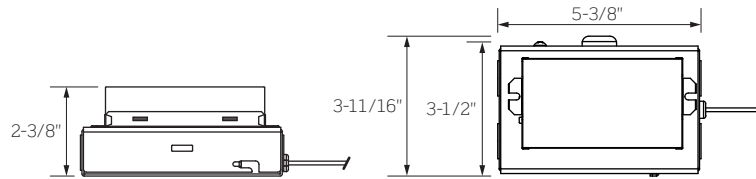
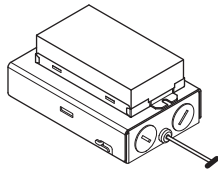
## PLUS SERIES | P3RD 3-Inch Round Downlight

### P3RD MODULE



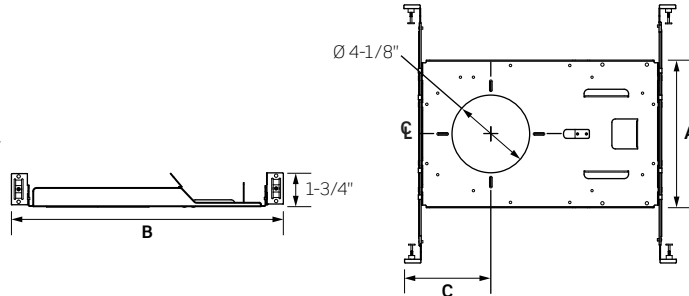
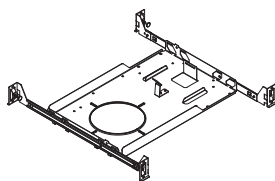
APERTURE DIAMETER	3-1/2"
REFLECTOR FLANGE DIAMETER	4-1/2"
REFLECTOR FLANGE WIDTH	1/2"
CEILING CUTOUT	4"
CEILING THICKNESS	1/2" to 1-1/2"
MODULE CABLE LENGTH	6"
JUNCTION BOX CABLE LENGTH	16"

### P3 DRIVER



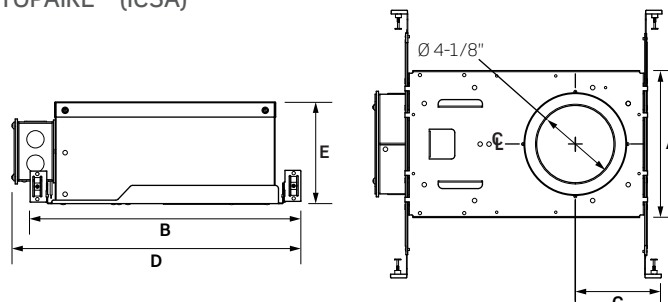
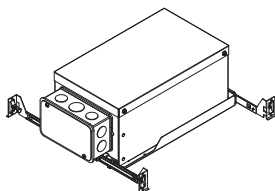
### OPTIONAL P3 ROUND DOWNLIGHT HOUSINGS

#### NEW CONSTRUCTION FRAME



DIMENSION	P3RD-NC	P3RA-NC
	STANDARD	LARGE
A	7-13/16"	10-1/2"
B	14-7/16"	16-1/2"
C	4-9/16"	6"

#### INSULATED CEILING/STOPAIR™ (ICSA)



DIMENSION	P3RD-ICSA	P3RA-ICSA
	STANDARD	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 | P3RD 3-Inch Round 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 accessible and field replaceable 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 (15°), Narrow (20°), Medium (34°), Flood (50°), and Wide Flood (73°)
- Spot Beam product configuration includes a unique 9mm LED to achieve the 15° 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, Spun Aluminum Reflectors are available in various finishes: Specular and Semi-specular with and without White Painted Flanges and 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 and Filter options.

#### INSTALLATION

- **CEILING OPENING:** For direct install applications, a ceiling cut-out diameter of 4-inches is required; for applications utilizing the Non-IC Mounting Frame or ICSA Housing, a ceiling cut-out diameter of 4-1/8-inches is required.
- **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
- 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™ (ICSA) 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
- ICSA 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; three (3) Spring Steel Supports secure Module into Housing/ceiling.
- LED Module consists of a Die-Cast Aluminum Heat Sink and Die-Cast Aluminum Mounting Ring, three (3) 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
- ICSA 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
- ICSA Housings meet the air leakage requirements per ASTM E283; conforms to Washington State Energy Code (WSEC) for low air Infiltration
- ICSA 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 | P3RD 3-Inch Round Downlight

### TRIMS AND TRIM ACCESSORIES

#### P3RTR: Reflector Trims

- Reflector Trims will accept one (1) Lens or Louver; the FA-63 Media Retention Spring is required
- For Wet Listing, Lens is required



**P3RTR-CLR**  
Clear Specular



**P3RTR-PL**  
Platinum Semi-Specular



**P3RTR-WHT**  
Matte White



**P3RTR-BLK**  
Matte Black



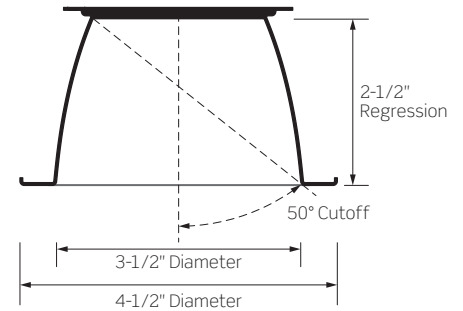
**P3RTR-CLRW**  
Clear Specular /  
White Painted Flange



**P3RTR-PLW**  
Plat. Semi-Specular /  
White Painted Flange



Reflector with Optional  
Integral Test Switch;  
P3RTREI-PL Shown



#### P3RTB: Bevel Trims

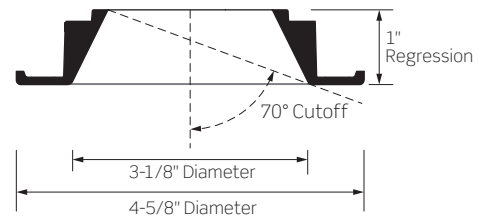
- Bevel Trims will accept one (1) 67mm Lens
- Bevel Style Trim available in Black and White Finishes only
- For Wet Listing, Lens is required



**P3RTB-WHT**  
Matte White



**P3RTB-BLK**  
Matte Black



### TRIM ACCESSORIES



**FA-63**  
Media Retention Spring

All Trim Options will accept up to one (1) 2-5/8-inch Lens or Louver. For Wet Location applications, Trim must include a lens. Reflector Trims utilize the FA-63 Media Retention Spring to hold the Lens securely in place.

#### Tempered Glass Lenses & Louver



**LF16-CL-67MM**  
Clear Lens



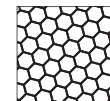
**LF16-SL-67MM**  
Soft light Lens



**LF16-SOL-67MM**  
Solite Lens



**LF16-LS-67MM**  
Linear Spread Lens



**FA-16-67MM**  
Honeycomb Louver



**LF16-A-67MM**  
Amber Lens



**LF16-B-67MM**  
Blue Lens



**LF16-LB-67MM**  
Light Blue Lens



**LF16-G-67MM**  
Green Lens



**LF16-R-67MM**  
Red Lens



**LF16-RO-67MM**  
Rose Lens



**LF16-Y-67MM**  
Yellow Lens

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

MEDIA MULTIPLIERS												
MEDIA	FA-16	LF16-CL	LF16-LS	LF16-SL	LF16-SOL	LF16-A	LF16-B	LF16-G	LF16-LB	LF16-R	LF16-RO	LF16-Y
MULTIPLIER	0.60	0.93	0.75	0.73	0.93	0.48	0.21	0.07	0.53	0.07	0.45	0.80

# PLUS Series | P3RD 3-Inch Downlight Photometrics

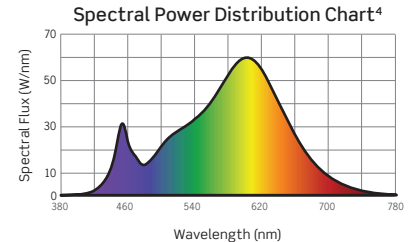
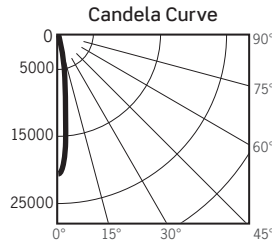
## PHOTOMETRICS

### P3RD-20L30KSMVD / P3RTR-CLR: 3-Inch Downlight, Spot Beam, Clear Reflector

LM-63 Test No. G24010403; LM-79 Test No. S23120401

Fixture Delivered Lumens: 2084.5  
Total Watts@120V: 19.2  
Lumens Per Watt: 108.6  
Center Beam Candle Power: 20852  
Beam Distribution: 14.8°  
Spacing Criterion: 0.27  
Color Rendering Index (CRI)<sup>1</sup>: 82.6  
Color Temperature (CCT)<sup>2</sup>: 3099K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	579.2	1.6
8 FT	325.8	2.1
10 FT	208.5	2.6
12 FT	144.8	3.1
14 FT	106.4	3.6
16 FT	81.5	4.2

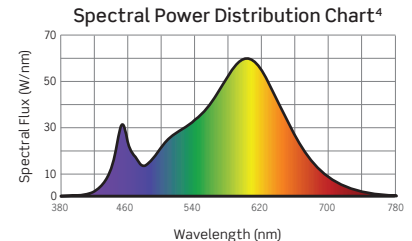
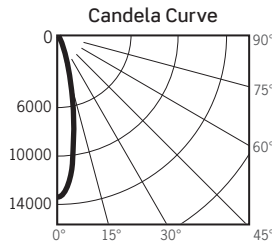


### P3RD-25L30KNMVD / P3RTR-CLR: 3-Inch Downlight, Narrow Beam, Clear Reflector

LM-63 Test No. G23113001; LM-79 Test No. S23120401

Fixture Delivered Lumens: 2443.3  
Total Watts@120V: 26.8  
Lumens Per Watt: 91.2  
Center Beam Candle Power: 13368  
Beam Distribution: 20.5°  
Spacing Criterion: 0.38  
Color Rendering Index (CRI)<sup>1</sup>: 82.6  
Color Temperature (CCT)<sup>2</sup>: 3099K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	371.3	2.2
8 FT	208.9	2.9
10 FT	133.7	3.6
12 FT	92.8	4.3
14 FT	68.2	5.1
16 FT	52.2	5.8

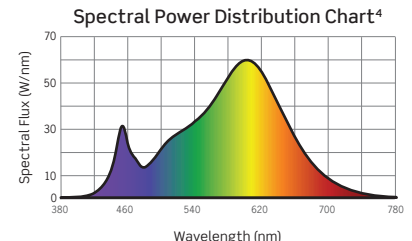
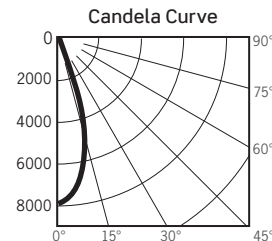


### P3RD-25L30KMMVD / P3RTR-CLR: 3-Inch Downlight, Medium Beam, Clear Reflector

LM-63 Test No. G23112701; LM-79 Test No. S23120401

Fixture Delivered Lumens: 2823.8  
Total Watts@120V: 26.9  
Lumens Per Watt: 105  
Center Beam Candle Power: 7875  
Beam Distribution: 34.3°  
Spacing Criterion: 0.56  
Color Rendering Index (CRI)<sup>1</sup>: 82.6  
Color Temperature (CCT)<sup>2</sup>: 3099K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	218.8	3.7
8 FT	123.1	4.9
10 FT	78.8	6.2
12 FT	54.7	7.4
14 FT	40.2	8.6
16 FT	30.8	9.9

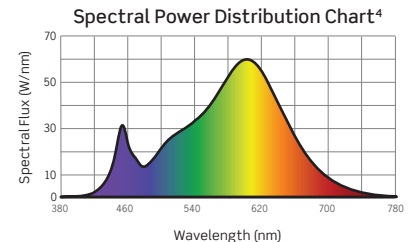
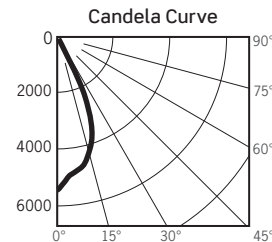


### P3RD-25L30KFMVD / P3RTR-CLR: 3-Inch Downlight, Flood Beam, Clear Reflector

LM-63 Test No. G23111403; LM-79 Test No. S23120401

Fixture Delivered Lumens: 2786.3  
Total Watts@120V: 26.8  
Lumens Per Watt: 104  
Center Beam Candle Power: 5418  
Beam Distribution: 49.9°  
Spacing Criterion: 0.69  
Color Rendering Index (CRI)<sup>1</sup>: 82.6  
Color Temperature (CCT)<sup>2</sup>: 3099K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	150.5	5.6
8 FT	84.7	7.5
10 FT	54.2	9.3
12 FT	37.6	11.2
14 FT	27.6	13.0
16 FT	21.2	14.9



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

## PHOTOMETRIC MULTIPLIERS

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI) 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 SERIES	15L SERIES	20L SERIES	25L SERIES
SPOT	0.54	0.74	1.00	N/A
ALL OTHERS	0.41	0.56	0.76	1.00

TRIM FINISH MULTIPLIERS		
FINISH	P3RTR REFLECTOR	P3RTB BEVEL
CLEAR (SPECULAR)	1.00	N/A
PLATINUM (SEMI-SPECULAR)	1.01	N/A
MATTE WHITE	1.00	1.00
MATTE BLACK	0.96	0.96



# PLUS Series | P3RD 3-Inch Downlight Photometrics

## PHOTOMETRICS

### P3RD-25L30KWMVD / P3RTR-CLR: 3-Inch Downlight, Wide Flood Beam, Clear Reflector

LM-63 Test No. G23072503; LM-79 Test No. S23120401

Fixture Delivered Lumens: 2497.2

Total Watts@120V: 26.8

Lumens Per Watt: 93.2

Center Beam Candle Power: 2044

Beam Distribution: 72.9°

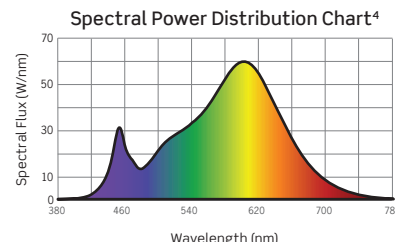
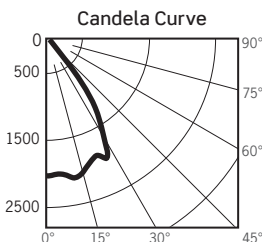
Spacing Criterion: 1.06

Color Rendering Index (CRI)<sup>1</sup>: 82.6

Color Temperature (CCT)<sup>2</sup>: 3099K

Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	56.8	8.9
8 FT	31.9	11.8
10 FT	20.4	14.8
12 FT	14.2	17.7
14 FT	10.4	20.7
16 FT	8.0	23.6



### P3RD-25L30KFMVD / P3RTB-WHT: 3-Inch Downlight, Flood Beam, White Bevel Trim

LM-63 Test No. G23121404; LM-79 Test No. S23120401

Fixture Delivered Lumens: 2469.3

Total Watts@120V: 27.0

Lumens Per Watt: 91.5

Center Beam Candle Power: 4224

Beam Distribution: 51.2°

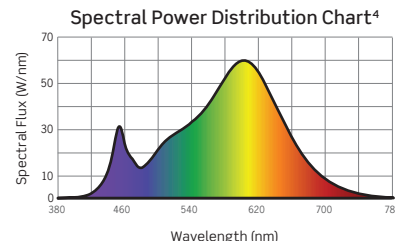
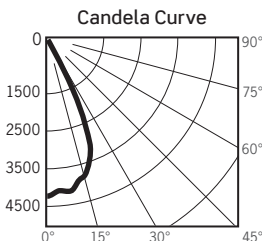
Spacing Criterion: 0.72

Color Rendering Index (CRI)<sup>1</sup>: 82.6

Color Temperature (CCT)<sup>2</sup>: 3099K

Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	117.3	5.8
8 FT	66.0	7.7
10 FT	42.2	9.6
12 FT	29.3	11.5
14 FT	21.6	13.4
16 FT	16.5	15.3



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

## PHOTOMETRIC MULTIPLIERS

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI) 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 SERIES	15L SERIES	20L SERIES	25L SERIES
SPOT	0.54	0.74	1.00	N/A
ALL OTHERS	0.41	0.56	0.76	1.00

TRIM FINISH MULTIPLIERS		
FINISH	P3RTR REFLECTOR	P3RTB BEVEL
CLEAR (SPECULAR)	1.00	N/A
PLATINUM (SEMI-SPECULAR)	1.01	N/A
MATTE WHITE	1.00	1.00
MATTE BLACK	0.96	0.96

# PLUS Series | P3RD 3-Inch Downlight Photometrics

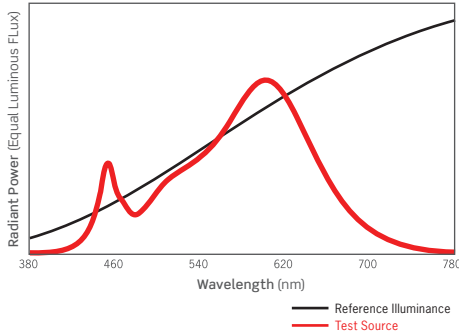
## PHOTOMETRICS: TM-30 DATA

Colors are for visual orientation purposes only

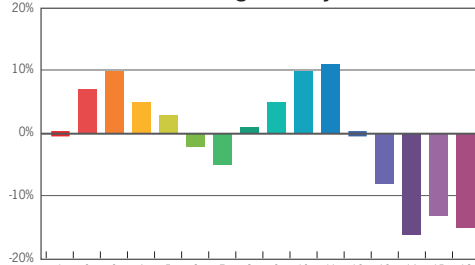
### Clear Reflector, 80+ CRI

ANSI/IES TM-30-18 Color Rendition Report Test No. S23120401

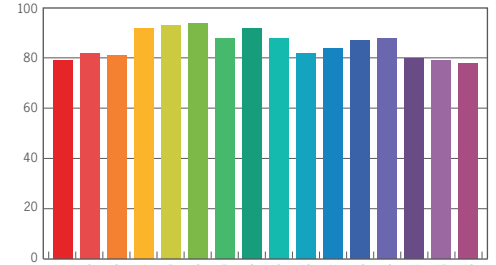
#### Spectral Power Distribution Comparison



#### Percentage Shift by Hue



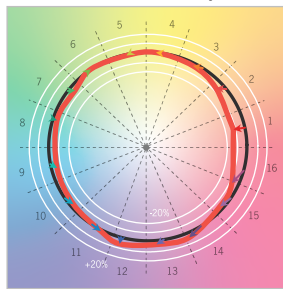
#### Rf by Hue



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	7%	10%	5%	3%	-2%	-5%	1%	5%	10%	11%	0%	-8%	-16%	-13%	-15%
R <sub>f</sub> VALUE	79	82	81	92	93	94	88	92	88	82	84	87	88	80	79	78

#### Color Vector Graphic

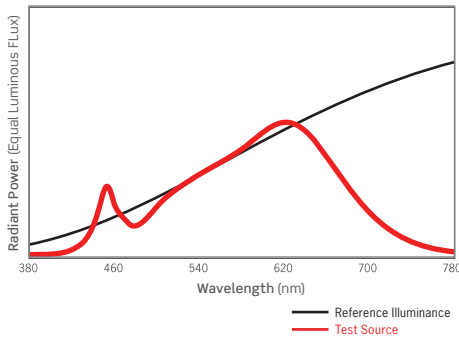
R <sub>f</sub>	85
R <sub>g</sub>	94
CCT(K)	3099K
D <sub>uv</sub>	0.0007
u <sup>t</sup>	0.2470
v <sup>t</sup>	0.5203



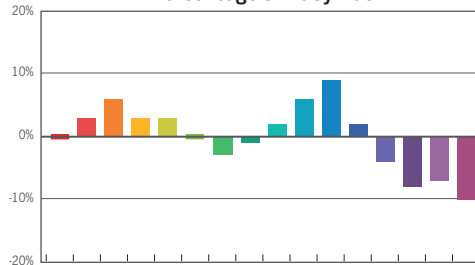
### Clear Reflector, 90+ CRI

ANSI/IES TM-30-18 Color Rendition Report Test No. S23120402

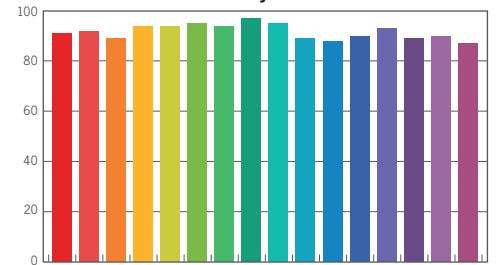
#### Spectral Power Distribution Comparison



#### Percentage Shift by Hue



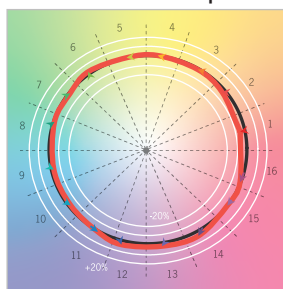
#### Rf by Hue



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	3%	6%	3%	3%	0%	-3%	-1%	2%	6%	9%	2%	-4%	-8%	-7%	-10%
R <sub>f</sub> VALUE	91	92	89	94	94	95	94	97	95	89	88	90	93	89	90	87

#### Color Vector Graphic

R <sub>f</sub>	92
R <sub>g</sub>	100
CCT(K)	3024K
D <sub>uv</sub>	-0.0004
u <sup>t</sup>	0.2499
v <sup>t</sup>	0.5203





## PLUS SERIES | P3R 3-Inch Round Downlight Dimming Specifications

- Incandescent 120V AC Dimmers adjust the light with Forward Phase Control, where the Dimmer "chops" the forward part of the AC Wave to deliver less or more power to the light source. No Neutral Wire Connection required.
- Electronic Low Voltage 120V AC Dimmers adjust the light with Reverse Phase Control, where the Dimmer "chops" the back part of the AC Wave to deliver less or more power to the light source. Neutral Wire Connection required.
- 0-10V DC Low Voltage Dimmers operate using two (2) Low Voltage Dimming Wires that are separate from the 120V or 277V AC Power. The Dimmer sends a Variable Output Voltage to the luminaire based upon the dimming level. 10V Corresponds to

undimmed operation, 5V to 50% and so on. Switching On/Off is controlled with the Line Voltage Power Input to the Dimmer (120V or 277V AC). Dimming operation is controlled with the 0-10V DC Low Voltage Wiring Connection between the Dimmer and the LED Driver. The Control Signal runs on two (2) low voltage control wires color coded Violet and Pink/Gray.

- Lutron EcoSystem Drivers provide continuous dimming from 1% -100%. For a complete list of compatible Dimmers and Controls, visit [www.lutron.com](http://www.lutron.com)
- Use DALI approved controls for dimming eldoLED ECOdrive, 1% Dimming (Dimming Option MVD7) and eldoLED SOLOdrive, 0.1% Dimming (Dimming Option MVD9).

MANUFACTURER	PRODUCT	MODEL	LIGHT OUTPUT			
			MVD Forward/Reverse Phase	MVD2 0-10V	MVD6 eldoLED ECOdrive: 0-10V	MVD8 eldoLED SOLOdrive: 0-10V
Leviton	Decora Slide	DSL06	10% - 100%	N/A	N/A	N/A
Leviton	SureSlide	06674	10% - 100%	N/A	N/A	N/A
Leviton	SureSlide	667	10% - 100%	N/A	N/A	N/A
Leviton	SureSlide	66DF	10% - 100%	N/A	N/A	N/A
Leviton	IllumaTech	IPL06	10% - 100%	N/A	N/A	N/A
Leviton	IllumaTech	IPE04	10% - 100%	N/A	N/A	N/A
Leviton	Decora Digital	DDE06	10% - 100%	N/A	N/A	N/A
Leviton	Decora Digital	DDL06-1L	10% - 100%	N/A	N/A	N/A
Leviton	Decora Digital	DDL06-BL	10% - 100%	N/A	N/A	N/A
Leviton	Decora Digital	DDM06	10% - 100%	N/A	N/A	N/A
Leviton	Decora Digital	DDMX1	10% - 100%	N/A	N/A	N/A
Leviton	Decora Slide	DSE06	10% - 100%	N/A	N/A	N/A
Leviton	Decora Slide	DSM10	10% - 100%	N/A	N/A	N/A
Leviton	Decora Smart Wi-Fi	D26HD	10% - 100%	N/A	N/A	N/A
Leviton	Decora Smart Wi-Fi	DN6HD	10% - 100%	N/A	N/A	N/A
Leviton	Decora Smart Wi-Fi	D2MSD	10% - 100%	N/A	N/A	N/A
Leviton	Trimatron Rotary	RDL06	10% - 100%	N/A	N/A	N/A
Leviton	Trimatron Rotary	RNL06	10% - 100%	N/A	N/A	N/A
Leviton	Toggle Slide	TSL06	10% - 100%	N/A	N/A	N/A
Leviton	Toggle Slide	TSM10	10% - 100%	N/A	N/A	N/A
Cooper	Devine	DLC03P	1% - 100%	N/A	N/A	N/A
Cooper	Skye	SLC03P	0% - 100%	N/A	N/A	N/A
Cooper	Decorator	DAL06P	0% - 100%	N/A	N/A	N/A
Pass & Seymour	Titan	CD4FB-W	N/A	1% - 100%	1% - 100%	0.1% - 100%
Synergy	ISD Series	ISD BC	N/A	1% - 100%	1% - 100%	0.1% - 100%
Watt Stopper	Miro Decorator	DCLV1	N/A	1% - 100%	1% - 100%	0.1% - 100%
Lutron	Ariadni	TGCL-153P	1% - 100%	N/A	N/A	N/A
Lutron	Ariadni	TG-600P	13% - 100%	N/A	N/A	N/A
Lutron	Diva	DVCL-153P	1% - 100%	N/A	N/A	N/A
Lutron	Diva	DV600P	6% - 100%	N/A	N/A	N/A
Lutron	Diva	DVELV303P	6% - 100%	N/A	N/A	N/A
Lutron	Diva	DVTV	N/A	1% - 100%	1% - 100%	0.1% - 100%
Lutron	Faetra	FAELV500	12% - 100%	N/A	N/A	N/A
Lutron	Lumea	LG600P	8% - 100%	N/A	N/A	N/A
Lutron	Maestro	MAELV600	16% - 100%	N/A	N/A	N/A
Lutron	Nova	NFTV	N/A	1% - 100%	1% - 100%	0.1% - 100%
Lutron	Nova T	NTFTV	N/A	1% - 100%	1% - 100%	0.1% - 100%
Lutron	Skylark	S-603PG	5% - 96%	N/A	N/A	N/A
Lutron	Skylark	S600P	5% - 100%	N/A	N/A	N/A
Lutron	Skylark	SELV300P	10% - 100%	N/A	N/A	N/A
Lutron	Skylark	CT103P	9% - 100%	N/A	N/A	N/A

### NOTES

- Testing was performed with a single luminaire connected to Dimmer.
- Testing has been performed on these Dimmers, but this does not imply any warranty of compatibility.
- Dimming performance can be influenced by different Loads, as well as variations in Dimmer Switches within the same Model.
- Dimmer Maximum Load Rating with LEDs may differ from published Traditional Source Dimmer Ratings. Consult manufacturer for maximum Dimmer information.
- Consult factory for additional dimming information.