

PLUS SERIES | P3SW 3-Inch Square Wall Wash 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 Wall Wash Downlights deliver up to 1800 Lumens, and efficacies up to 70 Lumens per Watt
- Visual Comfort:** TIR Wall Wash Optic provides a smooth, uniform light distribution on the wall surface
- 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



P3SW DOWNLIGHT MODULE	10L	15L	20L	25L
NOMINAL LUMEN OUTPUT ¹	750Lm	1000Lm	1400Lm	1800Lm
NOMINAL WATTAGE	10W	14W	20W	28W
INPUT VOLTAGE	120V - 277V / 347V			
COLOR TEMPERATURE CRI	2700K / 3000K / 3500K / 4000K 80 / 90+ CRI			
BEAM DISTRIBUTIONS	Wall Wash			
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)			
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

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ORDERING INFORMATION

Example Order: P3SW-25L30KWWMV D2 / P3STW-SL / P3SD-NC

MODULE ORDERING INFORMATION

Series	Lumens	CCT/CRI	Beam Distribution	Electrical/Driver	Options
P3SW PLUS Series 3-Inch Square Wall Wash Downlight	10L 750Lm	80+ CRI	WW Wall Wash	ALL MVD DRIVER OPTIONS ARE MULTI-VOLT: 120 - 277V MVD Phase (Forward/Reverse)/ 0-10V Dimming MVD2 0-10V, 1% Dimming MVD4 Lutron Hi-lume EcoSystem 1% Dimming with Soft-on, Fade-to-Black MVD6 ³ eldoLED ECOdrive 0-10V, 1% Dimming MVD7 ³ eldoLED ECOdrive DALI, 1% Dimming MVD8 ³ eldoLED SOLOdrive 0-10V, 0.1% Dimming MVD9 ³ eldoLED SOLdrive DALI, 0.1% Dimming 34D2 347V 0-10V Dimming	No Battery Back-Up Leave Blank ER ⁴ Emergency Battery Backup with Remote Test Switch
	15L 1000Lm	27K 2700K			
	20L 1400Lm	30K 3000K			
	25L ² 1800Lm	35K 3500K			
		90+ CRI			
		27KC 2700K			
		30KC 3000K			
		35KC 3500K			
		40KC 4000K			

2. 25L Lumen Option (28W) is not available for use with ICSA Housings and is restricted up to the 20L option max.
 3. eldoLED Drivers are programmed for Linear Curve Dimming as standard; for Logarithmic Curve Dimming, consult factory
 4. The ER Emergency Battery Backup option can be used for IC and Non-IC applications, Damp Location only.

TRIM & HOUSING ORDERING INFORMATION

Series	Trim Type	Trim Finish	Housing Type
P3ST PLUS Series Square Trim	W Wall Wash	SL Satin Silver SLW Satin Silver with White Painted Flange WHT Matte White BLK Matte Black	P3SD-NC Standard New Construction Frame: 8" X 13" P3SA-NC Large New Construction Frame: 10-1/2" x 15" P3SD-ICSA ⁵ Standard Insulated Ceiling / StopAire™ / Chicago Plenum Housing: 8" X 13" P3SA-ICSA Large Insulated Ceiling / StopAire™ / Chicago Plenum Housing: 10-1/2" x 15"

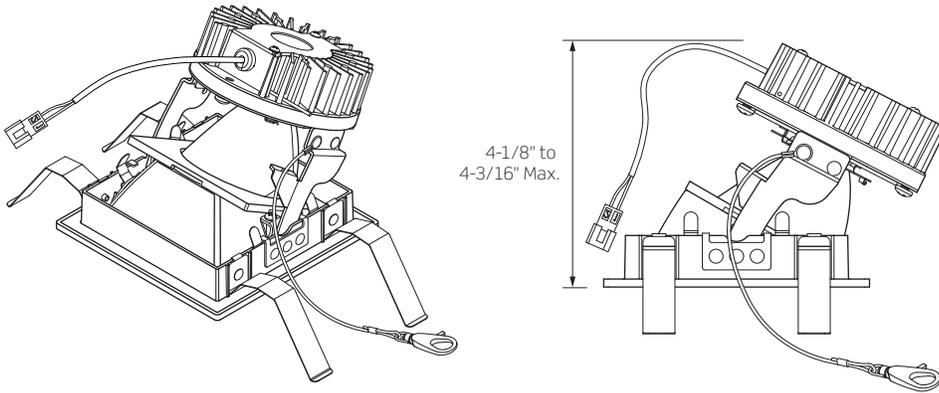
5. P3SD-ICSA Housing is not compatible with the ER option; P3SA-ICSA must be used

ACCESSORY ORDERING INFORMATION

NC Frame / ICSA Housing Accessories	
RL-KIT	Commercial Mounting Brackets
HB-24	27-Inch Flat Hanger Bars for RL-KIT
HBC-24	25-Inch C-Channel Hanger Bars for RL-KIT in Grid Ceiling Construction
HB-30	T-Bar Hanger Set

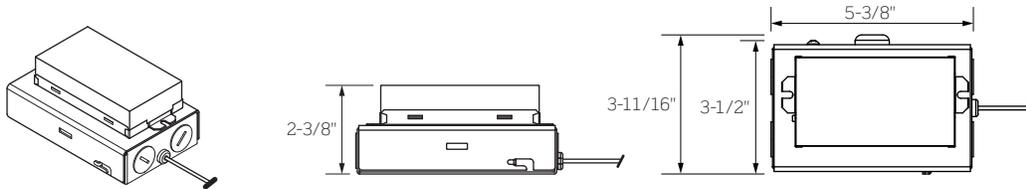
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P3SW MODULE



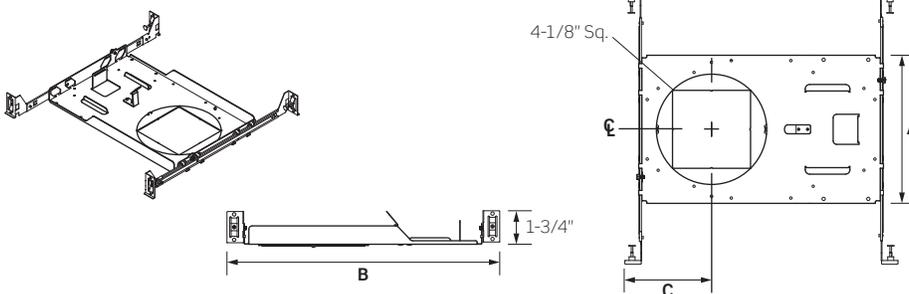
APERTURE	3-1/2" Square
REFLECTOR FLANGE	4-1/2" Square
REFLECTOR FLANGE WIDTH	1/2"
CEILING CUTOUT	4-1/8" Square
CEILING THICKNESS	1/2" to 1-3/8"
MODULE CABLE LENGTH	6"
JUNCTION BOX CABLE LENGTH	16"

P3 DRIVER



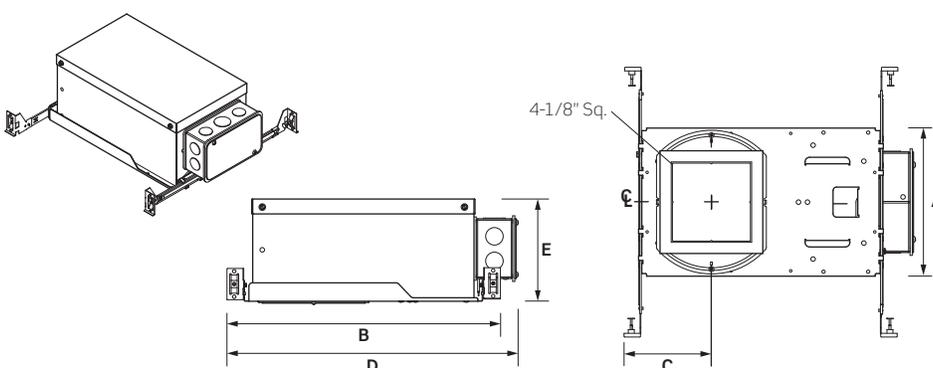
OPTIONAL P3 SQUARE DOWNLIGHT HOUSINGS

NEW CONSTRUCTION FRAME



DIMENSION	P3SD-NC	P3SA-NC
	STANDARD	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	P3SA-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"

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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 Remote Test Switch Option
- Emergency Battery Backup is accessible from below the ceiling
- Meets Title 20 CEC (California Energy Commission) efficiency standards

OPTICS

- Wall Wash TIR Optic provides smooth, uniform light distribution

TRIMS

- Self-flanged, die-cast Aluminum angle-cut Wall Wash Reflectors are available in Silver, White, and Black Painted finishes with and without White Painted Flanges

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 1-3/8-inch
- 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 used with Wall Wash Trim
- Emergency Battery Backup option is cCSAus certified to UL924 Standard 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

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TRIMS

P3STW: Wall Wash Trims



P3STW-SL
Satin Silver



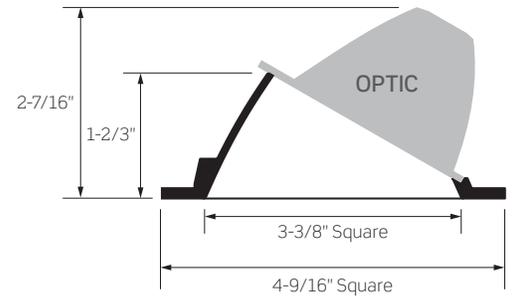
P3STW-WHT
Matte White



P3STW-BLK
Matte Black



P3STW-SLW
Satin Silver with
White Painted Flange

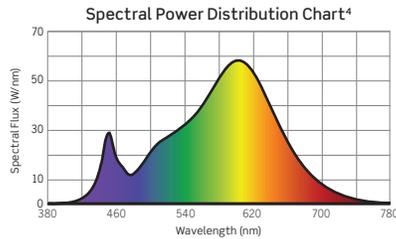


PLUS SERIES | P3SW 3-Inch Square Wall Wash Photometry

P3SW-25L30KWWVD/P3STW-SL: Wall Wash Reflector, Satin Silver Reflector

Test No. G25100301

Fixture Delivered Lumens: 1870.4
 Total Watts@120V: 26.8
 Lumens Per Watt: 69.8
 Center Beam Candle Power: 2051
 Color Rendering Index (CRI): 83.3
 Color Temperature (CCT): 3024K
 Designed for 50,000 Hour Lamp Life³



P3SW-25L30KWWVD/P3STW-SL: FOOTCANDLES ON WALL

MOUNTED 2-FEET FROM WALL

Mounting Height = 10 Ft.
 Room Reflectance = 80/50/20
 Multiple Units = 5 UNITS
 Beam Center: ↓
 Center of Multiple Units: █

		Single Unit						Multiple Units								
		0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	2 FT ON CENTER			3 FT ON CENTER			4 FT ON CENTER		
Distance from Ceiling	1 FT	7	6	3	2	1	0	16	14	12	12	11	10	10	8	9
	2 FT	28	23	13	7	3	1	61	57	45	43	41	4	35	30	34
	3 FT	50	42	26	13	6	3	114	108	83	79	77	77	63	55	62
	4 FT	49	42	29	17	8	4	123	116	88	86	84	84	67	62	66
	5 FT	35	33	24	15	9	5	101	95	71	72	71	70	56	54	55
	6 FT	24	22	18	13	8	6	76	71	55	55	55	54	44	43	42
	7 FT	16	16	13	10	7	5	55	51	38	41	41	38	32	32	32
	8 FT	10	10	9	7	6	4	39	36	28	30	30	28	24	24	23
	9 FT	7	7	6	5	4	3	28	26	20	22	22	21	18	18	17

MOUNTED 3-FEET FROM WALL

Mounting Height = 10 Ft.
 Room Reflectance = 80/50/20
 Multiple Units = 5 UNITS
 Beam Center: ↓
 Center of Multiple Units: █

		Single Unit						Multiple Units								
		0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	2 FT ON CENTER			3 FT ON CENTER			4 FT ON CENTER		
Distance from Ceiling	1 FT	6	6	4	3	2	1	8	8	7	6	6	5	5	5	4
	2 FT	15	14	10	6	4	2	30	30	28	21	21	20	17	16	16
	3 FT	26	24	18	11	6	3	58	58	54	41	41	39	32	31	31
	4 FT	29	27	21	14	9	5	84	83	79	60	59	57	46	45	45
	5 FT	26	25	20	15	9	6	88	87	83	64	63	62	50	48	49
	6 FT	20	19	16	13	9	6	80	78	74	58	58	55	45	46	44
	7 FT	15	15	13	11	8	6	65	64	60	49	50	47	39	39	38
	8 FT	11	11	10	9	6	5	52	52	48	41	41	38	33	32	31
	9 FT	8	8	7	6	5	4	39	40	38	31	32	30	26	26	25

MOUNTED 2-FEET FROM WALL

Mounting Height = 10 Ft.
 Room Reflectance = 80/50/20
 Multiple Units = 5 UNITS
 Beam Center: ↓
 Center of Multiple Units: █

		Single Unit						Multiple Units								
		0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	2 FT ON CENTER			3 FT ON CENTER			4 FT ON CENTER		
Distance from Ceiling	1 FT	3	3	3	2	1	1	5	4	4	4	3	3	3	3	3
	2 FT	7	7	5	4	3	2	18	17	16	13	13	12	10	10	10
	3 FT	12	12	10	7	5	3	32	32	30	24	24	22	11	19	18
	4 FT	17	17	14	10	7	5	51	50	47	27	38	35	29	29	28
	5 FT	19	18	15	12	9	6	64	64	60	48	48	45	37	37	36
	6 FT	17	17	15	12	9	6	67	66	63	50	50	48	40	39	39
	7 FT	15	15	13	11	8	6	63	62	58	49	49	45	39	38	37
	8 FT	12	12	11	9	7	6	54	54	51	43	43	40	35	35	33
	9 FT	10	10	8	8	6	5	45	45	43	36	36	34	30	29	28

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

OUTPUT MULTIPLIERS			
10L	15L	20L	25L
0.40	0.55	0.75	1.00

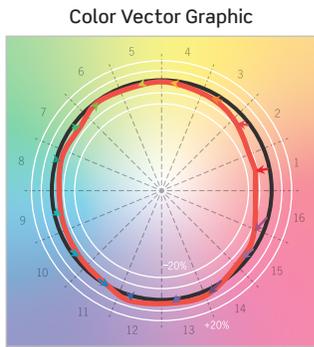
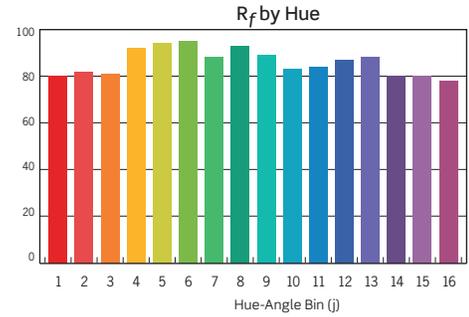
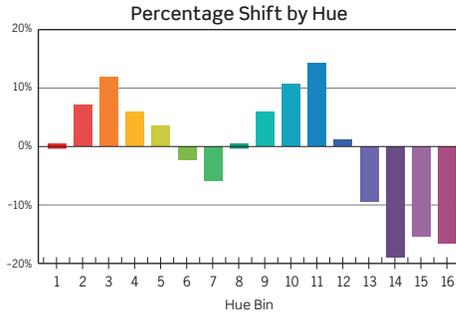
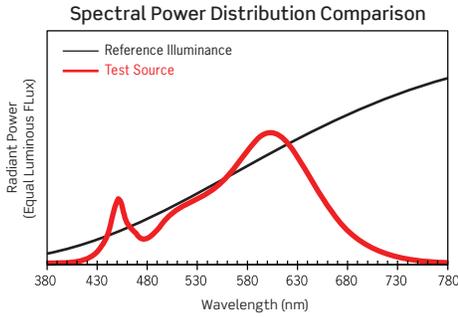
TRIM FINISH MULTIPLIERS	
FINISH	MULTIPLIER
SATIN SILVER	1.00
MATTE WHITE	1.07
MATTE BLACK	0.97

PLUS SERIES | P3SW 3-Inch Square Wall Wash Photometry

TM-30 DATA Colors are for visual orientation purposes only

SATIN SILVER REFLECTOR, 3000K, 80+ CRI

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

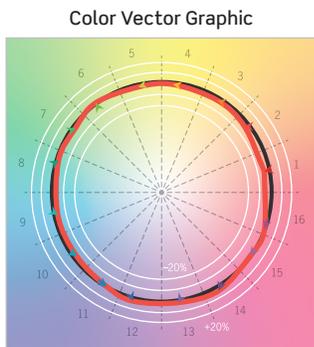
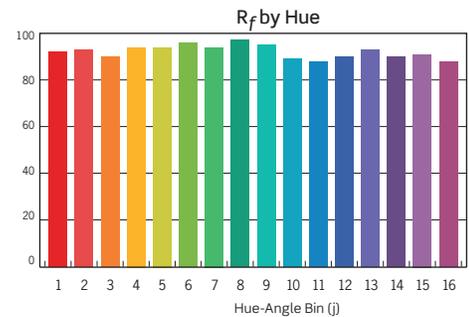
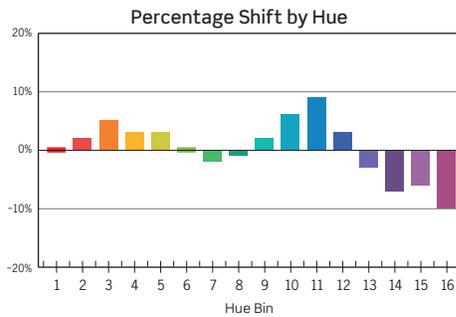
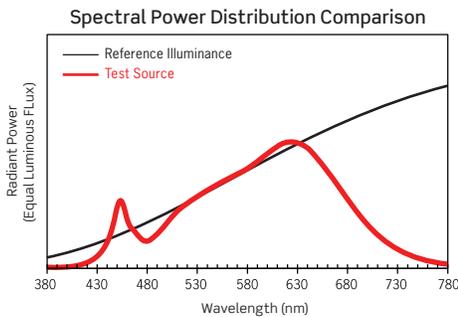


HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	0%	6%	10%	5%	3%	-2%	-5%	0%	5%	9%	12%	1%	-8%	-16%	-13%	-14%
R _f VALUE	80	82	81	92	94	95	88	93	89	83	84	87	88	80	80	78

R _t	86
R _g	95
CCT(K)	3024K
D _{uv}	0.0008
u ^l	0.2494
v ^l	0.5220

SATIN SILVER REFLECTOR, 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 _f VALUE	92	93	90	94	94	96	94	97	95	89	88	90	93	90	91	88

R _t	92
R _g	100
CCT(K)	3029K
D _{uv}	0.0001
u ^l	0.2495
v ^l	0.5210