

Project		Catalog #		Type	
Prepared by		Notes		Date	



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PrentaLux

2002 | Truncated Dome

Integral LED Light Engine
Performance Decorative

Typical Applications

• Office • Education • Healthcare • Hospitality • Retail • National Accounts



Filament only

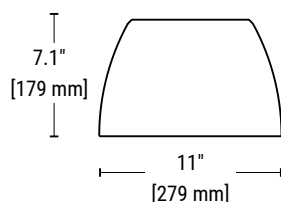


Top Product Features

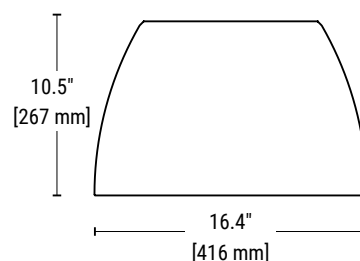
- The PrentaLux 2000 series of performance decorative fixtures utilize Cooper Lighting Solutions proprietary 3D printing technology.
- Integral LED light engine comes in 3 sizes with up to 8 output levels per size ranging from nominal 500 lms to 13,000 lms.
- 8 standard opaque outer shade color options and 3 opaque inner shade color options with additional On-Demand colors available.
- 90+ CRI standard with 4 CCT options (2700K, 3000K, 3500K, 4000K).
- Universal Voltage (120-277V).
- 0-10V integral driver with dimming from 100% to 1%.
- 5-year limited warranty.

Dimensions

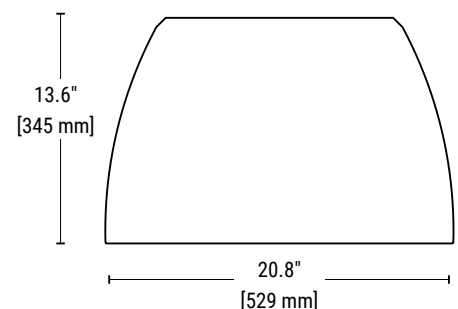
2002 - SMALL



2002 - MEDIUM



2002 - LARGE



Order Information

SAMPLE CATALOG NUMBER: **PRLX-2002-S-927-15L-G-U-S-WHTE-LF-WHHR-SR-R-W-36-DW**

Domestic Preferences	Brand	Series	Fixture Size	CRI	Nominal Output (lms/W) ^{1, 2, 3}	Optics
[Blank] = Standard BAA = Buy American Act	PRLX	2002 = Tapered Drum	S = Small M = Medium L = Large	927 = 90 CRI, 2700K 930 = 90 CRI, 3000K 935 = 90 CRI, 3500K 940 = 90 CRI, 4000K	Small Light Engine Size Only 05L = 510 Lumens/6W 10L = 1,065 Lumens/11W 15L = 1,560 Lumens/16W 20L = 1,995 Lumens/22W 25L = 2,510 Lumens/29W Medium Light Engine Size Only 07L = 705 Lumens/8W 15L = 1,535 Lumens/14W 25L = 2,545 Lumens/22W 35L = 3,510 Lumens/30W 45L = 4,490 Lumens/39W 55L = 5,525 Lumens/48W 65L = 6,490 Lumens/58W 75L = 7,490 Lumens/70W Large Light Engine Size Only 15L = 1,515 Lumens/16W 32L = 3,275 Lumens/26W 48L = 4,880 Lumens/37W 67L = 6,700 Lumens/51W 83L = 8,350 Lumens/65W 100L = 10,010 Lumens/79W 117L = 11,710 Lumens/95W 133L = 13,360 Lumens/111W	G = Globe Diffuser F = Flat Lens Diffuser
Notes	Notes	Notes	Notes	Notes	Notes	Notes
1. Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.					1. Nominal lumen output values above are based on 90 CRI, 3500K values and Flat Lens Diffuser. Use IES files for accurate calculations. 2. See Lumen Output tables on pages 6, 8, and 10 for output by optic, CCT and output level. 3. Light engine size (Small, Medium, Large) must be matched to Fixture Size (S, M, L).	

Continue here to make complete selections

Voltage	Dimming	Outer Shade Color ¹	Outer Shade Texture	Inner Shade Color
U = Universal Voltage (120-277V)	S = 0-10V (dimming from 100% to 1%)	Standard Opaque Outer Shade Colors: WHITE = White BLAK = Black GRAY = Gray ROSE = Rose CAPP = Cappuccino SAGE = Sage BRNZ = Bronze BRSS = Brass XXXX ² = On-Demand Color	Outer Shade Textures: LF = Layered Fine XX ² = Other Shade Texture	Standard Inner Shade Colors: WHHR = High Reflective White ¹ BRSS = Brass BRNZ = Bronze XXXX ² = On-Demand Color
Notes	Notes	Notes	Notes	Notes
		1. See page 3 for images of color options. 2. On-Demand colors available with possible extended lead times and additional costs. Consult factory. See page 3 for images of On-Demand color options.	1. Consult factory to request other textures. Shop drawings may be required. Extended lead times, additional costs, and minimum order quantity may apply.	1. High Reflective White (WHHR) should be selected for maximum light output. 2. On-Demand colors available with possible extended lead times and additional costs. Consult factory. See page 3 for images of on-demand color options.

Continue here to make complete selections

Inner Shade Texture	Mounting Type	Power Cord/Stem Color	Rigid Stem Length ¹	Canopy Shape and Color
Standard Inner Shade Textures: SR = Layered fine texture XX ³ = Other Inner Shade Texture	C = Air Craft Cable R = Rigid Stem	W = White B = Black	[Blank] = Air Craft Cable Selected 36 = 36 inches 48 = 48 inches 96 = 96 inches	DW = Disk - White DB = Disk - Black
Notes	Notes	Notes	Notes	Notes
1. Consult factory to request other textures. Shop drawings may be required. Extended lead times, additional costs, and minimum order quantity may apply.			1. Rigid Stem only.	1. Standard length of cord - 10ft [3050 mm]. Max available length is 25ft [7.62 m]. Consult factory for lengths longer than 10ft.

Product Specifications

Construction

- PrentaLux 2000s consists of an integral LED light engine and a proprietary additive manufacturing process for the polycarbonate shade and components.
- 2000 series shades utilize a proprietary, impact resistant polycarbonate for maximum durability.
- The polycarbonate used for PrentaLux fixtures is bio-circular and thermally, mechanically and optically optimized for professional/commercial installations. Designed, engineered, and printed in the United States.

Electrical

- Standard 0-10V driver (with dimming from 100% to 1%) integrated into the canopy (120/277V/50-60Hz).

LED & Light Engine

- Available in 2700K, 3000K, 3500K, and 4000K CCT
- 90 CRI standard.
- 8 lumen packages ranging from nominal 500 to 13,000+ lumens. (subject to specific CCT and Light Level).

Driver

- Standard offering is 0-10V with 1% dimming.

Optics

- Flat lens and globe diffuser options available
- Polar plot and UGR data on page 5.

Environment

- Suited for 25° Celsius ambient. Suitable for damp locations.

Shielding

- Shade optic depth and design provides excellent physical cutoff.
- 3D printing enabled personalization allows for easy adjustment of cut off angle (MOQ may apply).

Colors & Textures

- 8 standard outer shade colors available. 3 standard inner shade colors available.
- High Reflective White inner shade color should be selected for maximum light output.
- On-Demand colors and textures available with possible extended lead times and additional costs. Please consult factory.

Mounting

- Mounting options include 3D printed canopy, mounting hardware, and UL certified cord with aircraft cable or rigid stem.

Lengths

- Fixture comes with 10ft cord. Lengths up to 25ft possible. (Consult factory as longer lead times apply).
- Standard rigid stem lengths are 36", 48" and 96".

Weight

- All products are lightweight and much easier to install than traditional pendants.
- Weight does not include mounting.
- Small 2002 fixture weighs approximately 4.9lbs.
- Medium 2002 fixture weighs approximately 7.4lbs.
- Large 2002 fixture weighs approximately 14.2lbs.

Warranty

- Standard five-year limited warranty on all parts. cooperlighting.com/legal

Compliance

- Components are UL recognized and luminaires are cULus listed for 25°C ambient environments. Damp Location listed.
- Filament material is UL certified.
- BAA compliant options available.
- RoHS compliant.
- ISCC certified (for 3D printed materials). PrentaLux products will convert to printing our 3D parts with over 65% recycled or bio-circular materials (using an ISCC certified mass balance approach). Bio-circular materials are raw materials from ISCC Plus certified waste streams and residues including tall oils from the wood processing industry or used cooking oil from the food processing industry.
- Not to be installed in food prep areas and hazardous environments which may expose the product to pollutants such as oil, grease, or VOCs.
- IK06 impact rated. Not for installations in locations such as gymnasiums, arenas, sports complexes, multi-purpose rooms, and any other locations where the fixture potentially will be subject to impacts from external sources.

Sustainability Specifications

- PrentaLux 3D printed parts are produced with at least 65% recycled or bio-circular materials (using an ISCC certified mass balance approach).
- ISCC certified. Certification applies only to 3D printed material.

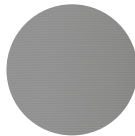
Standard Opaque Outer Shade Colors



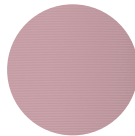
WHITE - White



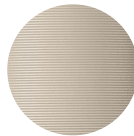
BLAK - Black



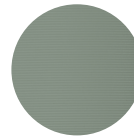
GRAY - Gray



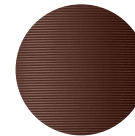
ROSE - Rose



CAPP - Cappuccino



SAGE - Sage



BRNZ - Bronze



BRSS - Brass

Standard Inner Shade Colors



WHHR - White
High Performance
Reflective White



BRSS - Brass



BRNZ - Bronze

On-Demand Colors

These additional color offerings for inner and outer shade may have extended lead times and/or additional costs. Please consult factory.



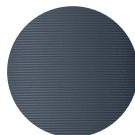
ENGR - Enamel Green



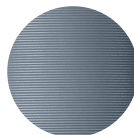
MEGR - Metallic Green



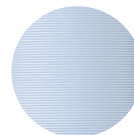
MCHA - Matcha



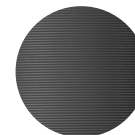
STBL - Steel Blue



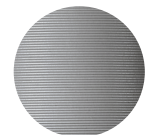
MEBL - Metallic Blue



MYBL - Misty Blue



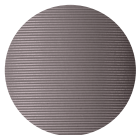
DKGY - Dark Gray



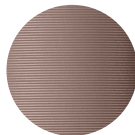
SLVR - Silver



STBR - Stone Brown



MEPU - Metallic Purple



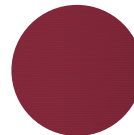
RGLD - Rose Gold



CITR - Citrona



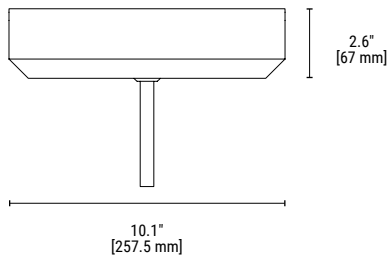
CRWH - Cream White



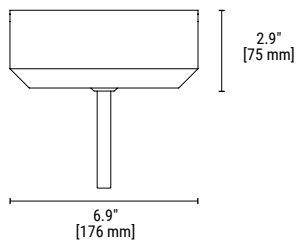
BURG - Burgundy

Mounting - Canopy Options

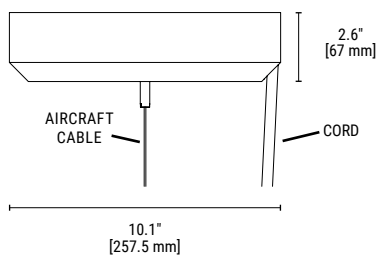
Large Rigid Stem Canopy



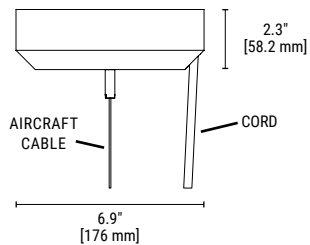
Small Rigid Stem Canopy



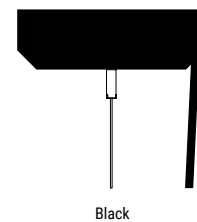
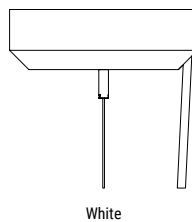
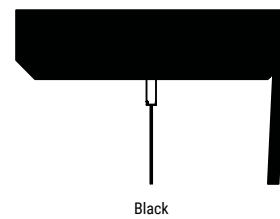
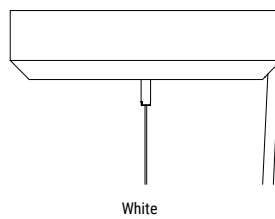
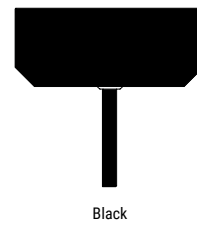
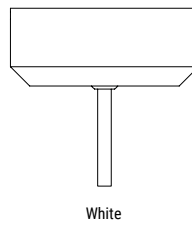
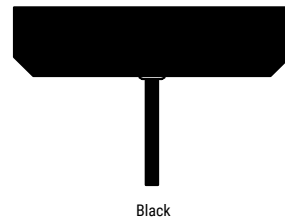
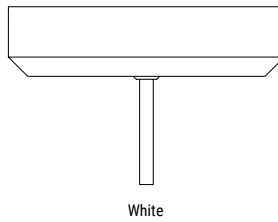
Large Aircraft Cable Canopy



Small Aircraft Cable Canopy

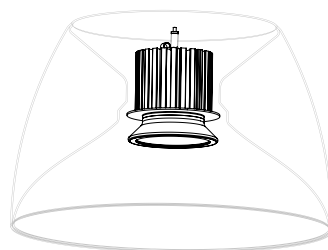
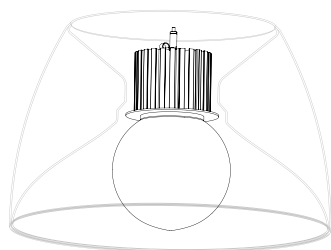


Canopy Colors

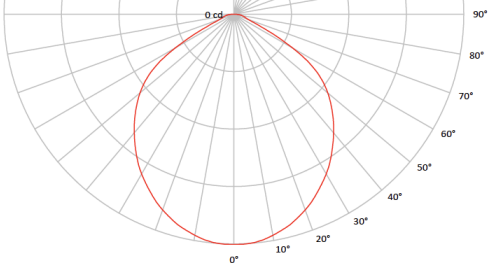


Diffuser Options

Medium Size shown



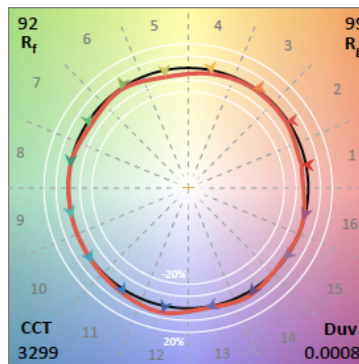
Photometric Data - 2002 - Small

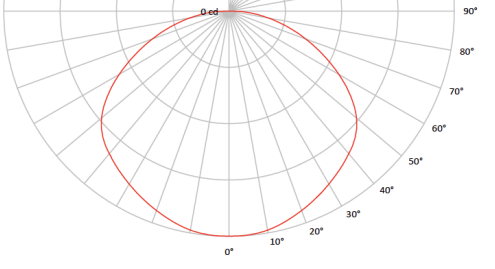
PRENTALUX - 2002 - SMALL - @ 3500K / 90 CRI WITH FLAT LENS			
	Light Level 05L	Light Level 25L	
Filename	PRLX-2002-S-935-05L-L-U-S-X-X-WHHR-X.ies	PRLX-2002-S-935-25L-L-U-S-X-X-WHHR-X.ies	
Test No.	P865659	P865691	
Lumcat	PRLX-2002-S-935-05L-L-U-S-X-X-WHHR-X	PRLX-2002-S-935-25L-L-U-S-X-X-WHHR-X	
Lumens	499 Lm	2496 Lm	
Input Watts	6.2 W	29.1 W	
Efficacy LPW	80.5 Lm/W	85.8 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.2 / 1.2 / 1.31	1.2 / 1.2 / 1.31	

Note: Refer to IES files for more product data.

Color Data (3500K)

90CRI		
TM-30	R _f	92.5
	R _g	98.6
CRI/CIE	R ₉	71.6

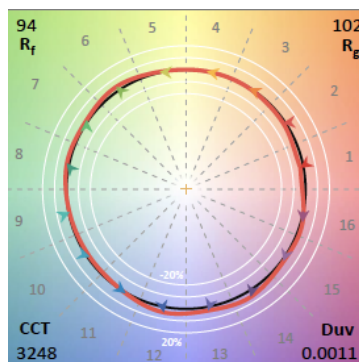


PRENTALUX - 2002 - SMALL - @ 3500K / 90 CRI WITH GLOBE LENS			
	Light Level 05L	Light Level 25L	
Filename	PRLX-2002-S-935-05L-G-U-S-X-X-WHHR-X.ies	PRLX-2002-S-935-25L-G-U-S-X-X-WHHR-X.ies	
Test No.	P865655	P865687	
Lumcat	PRLX-2002-S-935-05L-G-U-S-X-X-WHHR-X	PRLX-2002-S-935-25L-G-U-S-X-X-WHHR-X	
Lumens	299 Lm	1493 Lm	
Input Watts	6.2 W	29.1 W	
Efficacy LPW	48.2 Lm/W	51.3 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.34 / 1.34 / 1.49	1.34 / 1.34 / 1.49	

Note: Refer to IES files for more product data.

Color Data (3500K)

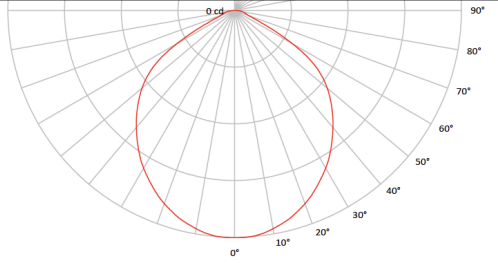
90CRI		
TM-30	R _f	94
	R _g	101.9
CRI/CIE	R ₉	75.1



Lumen/Wattage/LPW Table - Small

LUMEN Table per CRI, CCT, and Light Level			2002 - Small Globe (GLB) Diffuser, White inner shade color	2002 - Small Flat (FLL) Lens, White inner shade color	WATTS	EFFICACY (Lm/W) Globe	EFFICACY (Lm/W) Flat Lens
CRI	CCT	LL					
90	2700	05L	264	441	6.2	42.569	71.143
		10L	528	882	10.5	50.271	84.016
		15L	792	1323	15.6	50.755	84.824
		20L	1056	1764	21.8	48.427	80.933
		25L	1320	2205	29.1	45.348	75.788
	3000	05L	285	477	6.2	46.007	76.890
		10L	570	953	10.5	54.333	90.803
		15L	856	1430	15.6	54.855	91.677
		20L	1141	1907	21.8	52.339	87.471
		25L	1426	2384	29.1	49.011	81.910
	3500	05L	299	499	6.2	48.169	80.503
		10L	597	998	10.5	56.886	95.070
		15L	896	1497	15.6	57.433	95.984
		20L	1195	1996	21.8	54.798	91.581
		25L	1493	2496	29.1	51.314	85.759
	4000	05L	309	516	6.2	49.819	83.260
		10L	618	1032	10.5	58.834	98.326
		15L	927	1549	15.6	59.399	99.271
		20L	1236	2065	21.8	56.675	94.717
		25L	1544	2581	29.1	53.071	88.696

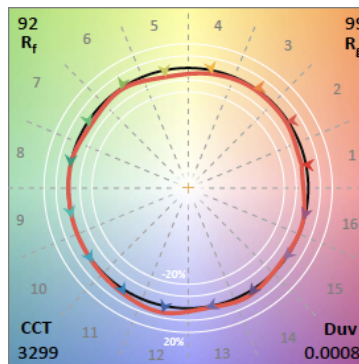
Photometric Data - 2002 - Medium

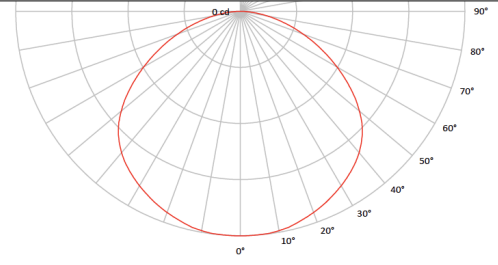
PRENTALUX - 2002 - MEDIUM - @ 3500K / 90 CRI WITH FLAT LENS			
	Light Level 07L	Light Level 75L	
Filename	PRLX-2002-M-935-07L-L-U-S-X-X-WHHR-X.ies	PRLX-2002-M-935-75L-L-U-S-X-X-WHHR-X.ies	
Test No.	P866283	P866339	
Lumcat	PRLX-2002-M-935-07L-L-U-S-X-X-WHHR-X	PRLX-2002-M-935-75L-L-U-S-X-X-WHHR-X	
Lumens	715 Lm	7591 Lm	
Input Watts	8.2 W	69.7 W	
Efficacy LPW	87.1 Lm/W	108.9 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.19 / 1.19 / 1.3	1.19 / 1.19 / 1.3	

Note: Refer to IES files for more product data.

Color Data (3500K)

90CRI		
TM-30	R _f	92.5
	R _g	98.6
CRI/CIE	R ₉	71.6

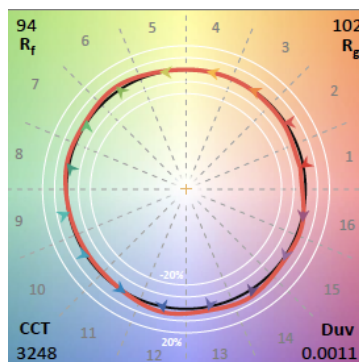


PRENTALUX - 2002 - MEDIUM - @ 3500K / 90 CRI WITH GLOBE LENS			
	Light Level 07L	Light Level 25L	
Filename	PRLX-2002-M-935-07L-G-U-S-X-X-WHHR-X.ies	PRLX-2002-M-935-75L-G-U-S-X-X-WHHR-X.ies	
Test No.	P866279	P866335	
Lumcat	PRLX-2002-M-935-07L-G-U-S-X-X-WHHR-X	PRLX-2002-M-935-75L-G-U-S-X-X-WHHR-X	
Lumens	489 Lm	5196 Lm	
Input Watts	8.2 W	69.7 W	
Efficacy LPW	59.7 Lm/W	74.6 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.34 / 1.34 / 1.5	1.34 / 1.34 / 1.5	

Note: Refer to IES files for more product data.

Color Data (3500K)

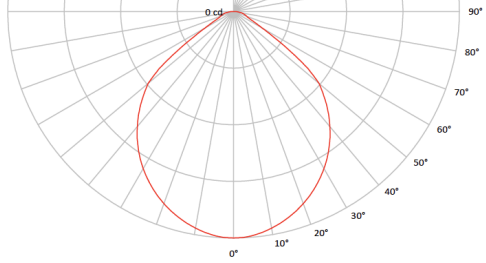
90CRI		
TM-30	R _f	94
	R _g	101.9
CRI/CIE	R ₉	75.1



Lumen/Wattage/LPW Table - 2002 - Medium

LUMEN Table per CRI, CCT, and Light Level			2002 - Medium Globe (GLB) Diffuser, White inner shade color	2002 - Medium Flat (FL) Lens, White inner shade color	WATTS	EFFICACY (Lm/W) Globe	EFFICACY (Lm/W) Flat Lens
CRI	CCT	LL					
90	2700	07L	457	668	8.2	55.8	81.5
		15L	972	1420	14	69.4	101.4
		25L	1620	2366	21.7	74.6	109.0
		35L	2267	3312	30	75.6	110.4
		45L	2915	4259	38.8	75.1	109.8
		55L	3563	5205	48.3	73.8	107.8
		65L	4211	6151	58.6	71.9	105.0
		75L	4859	7098	69.7	69.7	101.8
	3000	07L	479	700	8.2	58.5	85.4
		15L	1019	1488	14	72.8	106.3
		25L	1698	2480	21.7	78.2	114.3
		35L	2377	3472	30	79.2	115.7
		45L	3056	4464	38.8	78.8	115.1
		55L	3735	5456	48.3	77.3	113.0
		65L	4414	6448	58.6	75.3	110.0
		75L	5093	7440	69.7	73.1	106.7
	3500	07L	489	715	8.2	59.7	87.1
		15L	1039	1518	14	74.2	108.4
		25L	1732	2530	21.7	79.8	116.6
		35L	2425	3542	30	80.8	118.1
		45L	3118	4555	38.8	80.4	117.4
		55L	3811	5567	48.3	78.9	115.3
		65L	4503	6579	58.6	76.9	112.3
		75L	5196	7591	69.7	74.6	108.9
	4000	07L	518	756	8.2	63.1	92.2
		15L	1100	1607	14	78.6	114.8
		25L	1833	2678	21.7	84.5	123.4
		35L	2567	3749	30	85.6	125.0
		45L	3300	4821	38.8	85.0	124.2
		55L	4033	5892	48.3	83.5	122.0
		65L	4766	6963	58.6	81.3	118.8
		75L	5500	8034	69.7	78.9	115.3

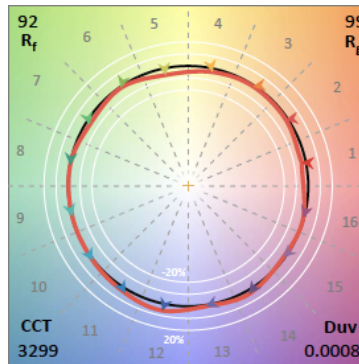
Photometric Data - 2002 - Large

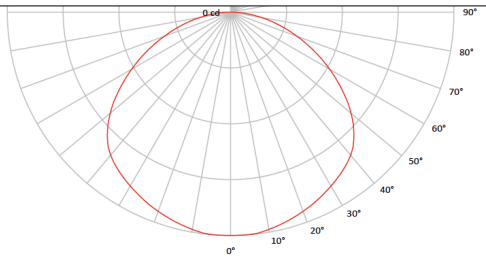
PRENTALUX - 2002 - LARGE - @ 3500K / 90 CRI WITH FLAT LENS			
	Light Level 15L	Light Level 133L	
Filename	PRLX-2002-L-935-15L-L-X-X-WHHR-X.ies	PRLX-2002-L-935-133L-L-X-X-WHHR-X.ies	
Test No.	P867071	P867063	
Lumcat	PRLX-2002-L-935-15L-L-X-X-WHHR-X	PRLX-2002-L-935-133L-L-X-X-WHHR-X	
Lumens	1523 Lm	13470 Lm	
Input Watts	16.4 W	111.8 W	
Efficacy LPW	92.9 Lm/W	120.5 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.2 / 1.2 / 1.3	1.2 / 1.2 / 1.3	

Note: Refer to IES files for more product data.

Color Data (3500K)

90CRI		
TM-30	R _f	92.5
	R _g	98.6
CRI/CIE	R ₉	71.6

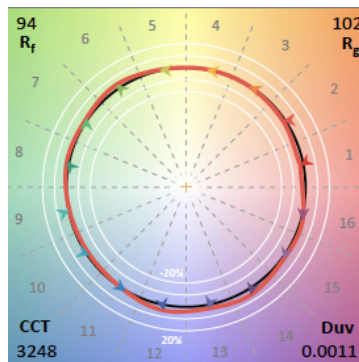


PRENTALUX - 2002 - LARGE - @ 3500K / 90 CRI WITH GLOBE LENS			
	Light Level 15L	Light Level 133L	
Filename	PRLX-2002-L-935-15L-G-X-X-WHHR-X.ies	PRLX-2002-L-935-133L-G-X-X-WHHR-X.ies	
Test No.	P867075	P867067	
Lumcat	PRLX-2002-L-935-15L-G-X-X-WHHR-X	PRLX-2002-L-935-133L-G-X-X-WHHR-X	
Lumens	1001 Lm	8857 Lm	
Input Watts	16.4 W	111.8 W	
Efficacy LPW	61.1 Lm/W	79.2 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.35 / 1.35 / 1.49	1.35 / 1.35 / 1.49	

Note: Refer to IES files for more product data.

Color Data (3500K)

90CRI		
TM-30	R _f	94
	R _g	101.9
CRI/CIE	R ₉	75.1



Lumen/Wattage/LPW Table - 2002 - Large

LUMEN Table per CRI, CCT, and Light Level			2002 - Large Globe (GLB) Diffuser, White inner shade color	2002 - Large Flat (FLL) Lens, White inner shade color	WATTS	EFFICACY (Lm/W) Globe	EFFICACY (Lm/W) Flat Lens
CRI	CCT	LL					
90	2700	07L	906	1378	16.4	55.2	84.0
		15L	1921	2921	26.1	73.6	111.9
		25L	2936	4465	37.5	78.3	119.1
		35L	3951	6009	50.4	78.4	119.2
		45L	4966	7553	64.5	77.0	117.1
		55L	5981	9097	79.4	75.3	114.6
		65L	6996	10641	95.2	73.5	111.8
		75L	8011	12184	111.8	71.7	109.0
	3000	07L	969	1474	16.4	59.1	89.9
		15L	2055	3126	26.1	78.7	119.8
		25L	3141	4778	37.5	83.8	127.4
		35L	4228	6430	50.4	83.9	127.6
		45L	5314	8081	64.5	82.4	125.3
		55L	6400	9733	79.4	80.6	122.6
		65L	7486	11385	95.2	78.6	119.6
		75L	8572	13037	111.8	76.7	116.6
	3500	07L	1001	1523	16.4	61.1	92.9
		15L	2124	3230	26.1	81.4	123.7
		25L	3246	4937	37.5	86.6	131.6
		35L	4368	6643	50.4	86.7	131.8
		45L	5490	8350	64.5	85.1	129.5
		55L	6612	10057	79.4	83.3	126.7
		65L	7735	11764	95.2	81.2	123.6
		75L	8857	13470	111.8	79.2	120.5
	4000	07L	1045	1590	16.4	63.7	97.0
		15L	2217	3372	26.1	84.9	129.2
		25L	3389	5154	37.5	90.4	137.4
		35L	4560	6935	50.4	90.5	137.6
		45L	5732	8717	64.5	88.9	135.2
		55L	6903	10499	79.4	86.9	132.2
		65L	8075	12281	95.2	84.8	129.0
		75L	9246	14063	111.8	82.7	125.8