

Project		Catalog #		Type	
Prepared by		Notes		Date	



PrentaLux

2004 | Curved Bell

Integral LED Light Engine
Performance Decorative

Typical Applications

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

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Filament only

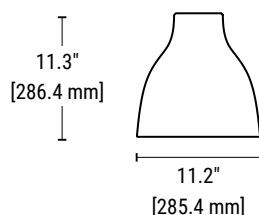


Top Product Features

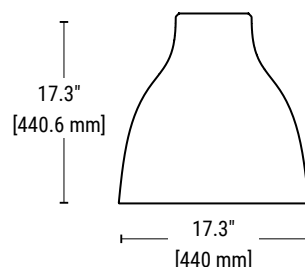
- The PrentaLux 2000 series of performance decorative fixtures utilizes Cooper Lighting's proprietary 3D printing technology.
- Integral LED light engine comes in 3 sizes with up to 8 output levels per size ranging from nominal 500 lms to 13,000 lms.
- 8 standard opaque outer shade color options and 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

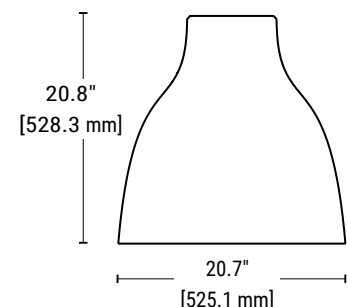
2004 - SMALL



2004 - MEDIUM



2004 - LARGE



Order Information

SAMPLE CATALOG NUMBER: **PRLX-2004-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	2004 = Bell	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 XXXX² = On-Demand Color	Outer Shade Textures: LF = Layered Fine XX² = Other Shade Texture	Standard Inner Shade Colors: WHHR = High Reflective White ¹ BRSS = Brass BRNZ = Bronze XXXX² = 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 XX³ = 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 2004 fixture weighs approximately 5.3lbs.
- Medium 2004 fixture weighs approximately 8.5lbs.
- Large 2004 fixture weighs approximately 15.4lbs.

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.

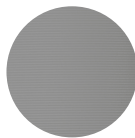
Standard Opaque Outer Shade Colors



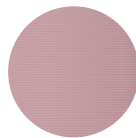
WHITE - White



BLAK - Black



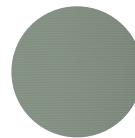
GRAY - Gray



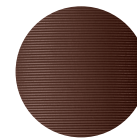
ROSE - Rose



CAPP - Cappuccino



SAGE - Sage



BRNZ - Bronze



BRSS - Brass

Standard Inner Shade Colors



WHHR - White
High Performance
Reflective White



BRSS - Brass



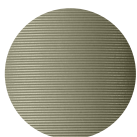
BRNZ - Bronze

On-Demand Colors

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



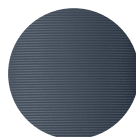
ENGR - Enamel Green



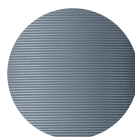
MEGR - Metallic Green



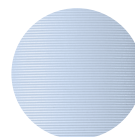
MCHA - Matcha



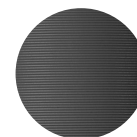
STBL - Steel Blue



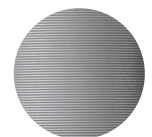
MEBL - Metallic Blue



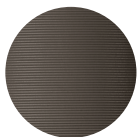
MYBL - Misty Blue



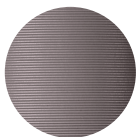
DKGY - Dark Gray



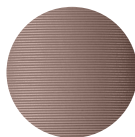
SLVR - Silver



STBR - Stone Brown



MEPU - Metallic Purple



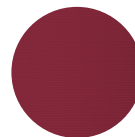
RGLD - Rose Gold



CITR - Citrona



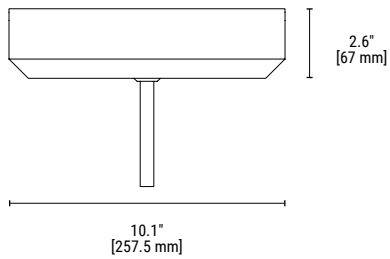
CRWH - Cream White



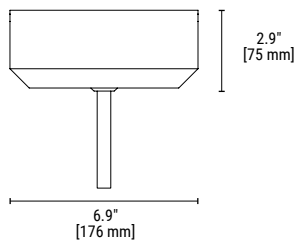
BURG - Burgundy

Mounting - Canopy Options

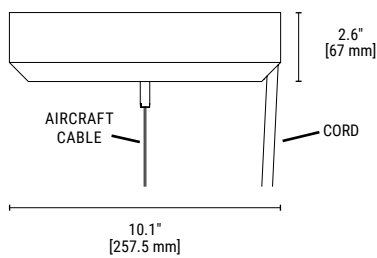
Large Rigid Stem Canopy



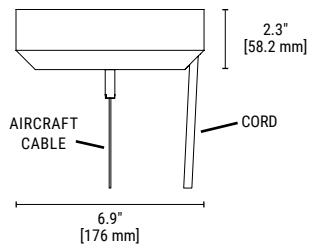
Small Rigid Stem Canopy



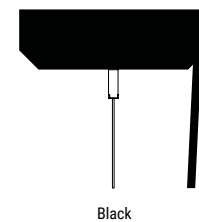
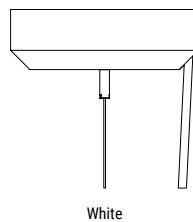
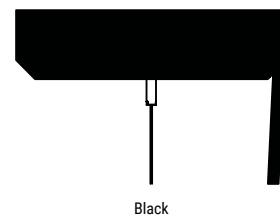
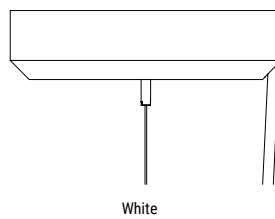
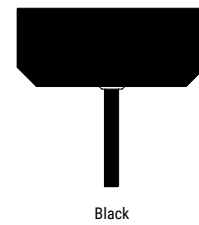
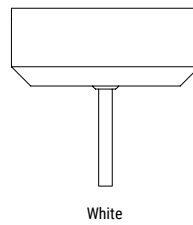
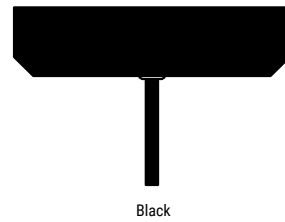
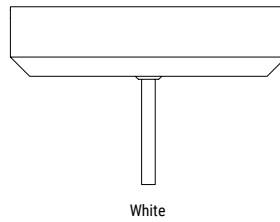
Large Aircraft Cable Canopy



Small Aircraft Cable Canopy

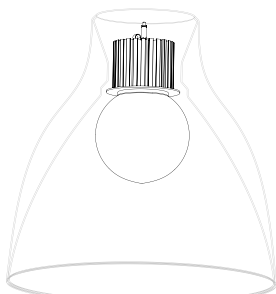


Canopy Colors

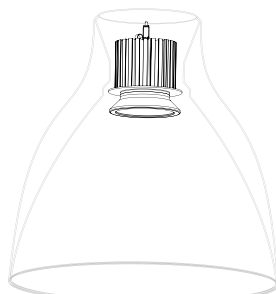


Diffuser Options

Medium Size shown

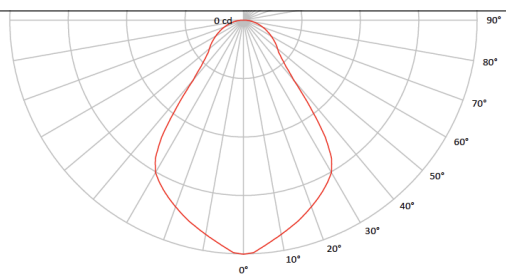


G - Globe Diffuser



F - Flat Lens Diffuser

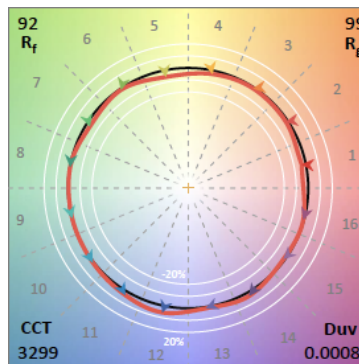
Photometric Data - 2004 - Small

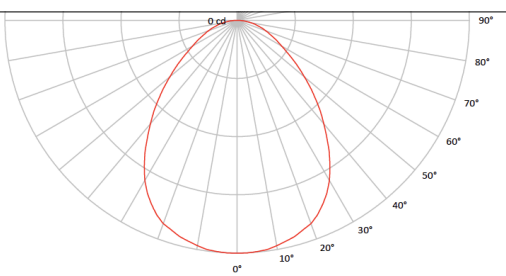
PRENTALUX - 2004 - SMALL - @ 3500K / 90 CRI WITH FLAT LENS			
	Light Level 05L	Light Level 25L	
Filename	PRLX-2004-S-935-05L-L-U-S-X-X-WHHR-X.ies	PRLX-2004-S-935-25L-L-U-S-X-X-WHHR-X.ies	
Test No.	P865819	P865851	
Lumcat	PRLX-2004-S-935-05L-L-U-S-X-X-WHHR-X	PRLX-2004-S-935-25L-L-U-S-X-X-WHHR-X	
Lumens	474 Lm	2368 Lm	
Input Watts	6.2 W	29.1 W	
Efficacy LPW	76.4 Lm/W	81.4 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.13 / 1.13 / 1.07	1.13 / 1.13 / 1.07	

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

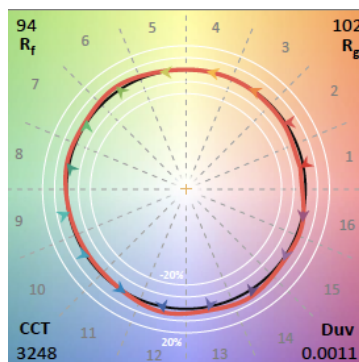


PRENTALUX - 2004 - SMALL - @ 3500K / 90 CRI WITH GLOBE LENS			
	Light Level 05L	Light Level 25L	
Filename	PRLX-2004-S-935-05L-G-U-S-X-X-WHHR-X.ies	PRLX-2004-S-935-25L-G-U-S-X-X-WHHR-X.ies	
Test No.	P865815	P865847	
Lumcat	PRLX-2004-S-935-05L-G-U-S-X-X-WHHR-X	PRLX-2004-S-935-25L-G-U-S-X-X-WHHR-X	
Lumens	271 Lm	1354 Lm	
Input Watts	6.2 W	29.1 W	
Efficacy LPW	43.7 Lm/W	46.5 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.18 / 1.18 / 1.21	1.18 / 1.18 / 1.21	

Note: Refer to IES files for more product data.

Color Data (3500K)

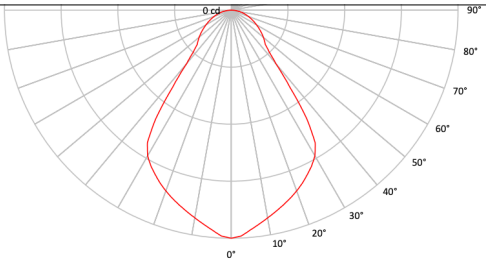
90CRI		
TM-30	R _f	94
	R _g	101.9
CRI/CIE	R ₉	75.1



Lumen/Wattage/LPW Table - Small

LUMEN Table per CRI, CCT, and Light Level			2004 - Small Globe (GLB) Diffuser, White inner shade color	2004 - Small Flat (FLL) Lens, White inner shade color	WATTS	EFFICACY (Lm/W) Globe	EFFICACY (Lm/W) Flat Lens
CRI	CCT	LL					
90	2700	05L	239	419	6.2	38.586	67.507
		10L	478	837	10.5	45.568	79.723
		15L	718	1256	15.6	46.007	80.489
		20L	957	1674	21.8	43.896	76.797
		25L	1196	2093	29.1	41.106	71.915
	3000	05L	259	452	6.2	41.703	72.961
		10L	517	905	10.5	49.250	86.163
		15L	776	1357	15.6	49.723	86.992
		20L	1034	1809	21.8	47.442	83.001
		25L	1293	2262	29.1	44.426	77.725
	3500	05L	271	474	6.2	43.663	76.389
		10L	541	947	10.5	51.564	90.212
		15L	812	1421	15.6	52.060	91.079
		20L	1083	1894	21.8	49.672	86.901
		25L	1354	2368	29.1	46.514	81.377
	4000	05L	280	490	6.2	45.158	79.005
		10L	560	980	10.5	53.330	93.301
		15L	840	1469	15.6	53.842	94.198
		20L	1120	1959	21.8	51.373	89.877
		25L	1400	2449	29.1	48.107	84.163

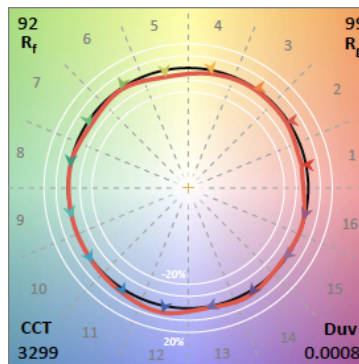
Photometric Data - 2004 - Medium

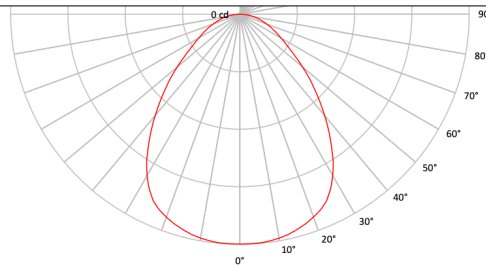
PRENTALUX - 2004 - MEDIUM - @ 3500K / 90 CRI WITH FLAT LENS			
	Light Level 07L	Light Level 75L	
Filename	PRLX-2004-M-935-07L-L-U-S-X-X-WHHR-X.ies	PRLX-2004-M-935-75L-L-U-S-X-X-WHHR-X.ies	
Test No.	P866539	P866595	
Lumcat	PRLX-2004-M-935-07L-L-U-S-X-X-WHHR-X	PRLX-2004-M-935-75L-L-U-S-X-X-WHHR-X	
Lumens	681 Lm	7235 Lm	
Input Watts	8.2 W	69.7 W	
Efficacy LPW	83.1 Lm/W	103.8 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.11 / 1.11 / 1.05	1.11 / 1.11 / 1.05	

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

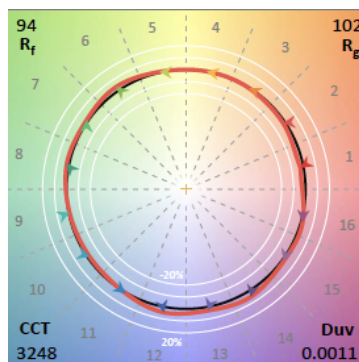


PRENTALUX - 2004 - MEDIUM - @ 3500K / 90 CRI WITH GLOBE LENS			
	Light Level 07L	Light Level 75L	
Filename	PRLX-2004-M-935-07L-G-U-S-X-X-WHHR-X.ies	PRLX-2004-M-935-75L-G-U-S-X-X-WHHR-X.ies	
Test No.	P866535	P866591	
Lumcat	PRLX-2004-M-935-07L-G-U-S-X-X-WHHR-X	PRLX-2004-M-935-75L-G-U-S-X-X-WHHR-X	
Lumens	432 Lm	4591 Lm	
Input Watts	8.2 W	69.7 W	
Efficacy LPW	52.7 Lm/W	65.9 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.2 / 1.2 / 1.2	1.2 / 1.2 / 1.2	

Note: Refer to IES files for more product data.

Color Data (3500K)

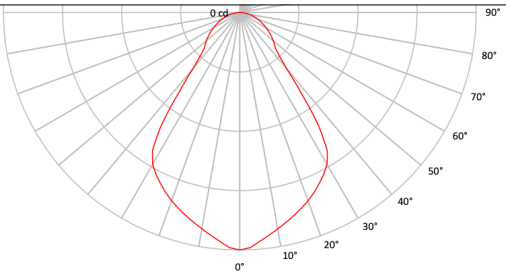
90CRI		
TM-30	R _f	94
	R _g	101.9
CRI/CIE	R ₉	75.1



Lumen/Wattage/LPW Table - 2004 - Medium

LUMEN Table per CRI, CCT, and Light Level			2004 - Medium Globe (GLB) Diffuser, White inner shade color	2004 - Medium Flat (FLL) Lens, White inner shade color	WATTS	EFFICACY (Lm/W) Globe	EFFICACY (Lm/W) Flat Lens
CRI	CCT	LL					
90	2700	07L	404	637	8.2	49.3	77.7
		15L	858	1353	14	61.3	96.6
		25L	1431	2255	21.7	65.9	103.9
		35L	2003	3157	30	66.8	105.2
		45L	2575	4059	38.8	66.4	104.6
		55L	3148	4961	48.3	65.2	102.7
		65L	3720	5863	58.6	63.5	100.1
		75L	4292	6765	69.7	61.6	97.1
	3000	07L	424	668	8.2	51.7	81.4
		15L	900	1418	14	64.3	101.3
		25L	1500	2364	21.7	69.1	108.9
		35L	2100	3309	30	70.0	110.3
		45L	2700	4255	38.8	69.6	109.7
		55L	3299	5201	48.3	68.3	107.7
		65L	3899	6146	58.6	66.5	104.9
		75L	4499	7092	69.7	64.6	101.7
	3500	07L	432	681	8.2	52.7	83.1
		15L	918	1447	14	65.6	103.4
		25L	1530	2412	21.7	70.5	111.1
		35L	2142	3376	30	71.4	112.5
		45L	2754	4341	38.8	71.0	111.9
		55L	3366	5306	48.3	69.7	109.9
		65L	3978	6271	58.6	67.9	107.0
		75L	4590	7235	69.7	65.9	103.8
	4000	07L	457	721	8.2	55.8	87.9
		15L	972	1532	14	69.4	109.4
		25L	1620	2553	21.7	74.6	117.6
		35L	2267	3574	30	75.6	119.1
		45L	2915	4595	38.8	75.1	118.4
		55L	3563	5616	48.3	73.8	116.3
		65L	4211	6637	58.6	71.9	113.3
		75L	4859	7658	69.7	69.7	109.9

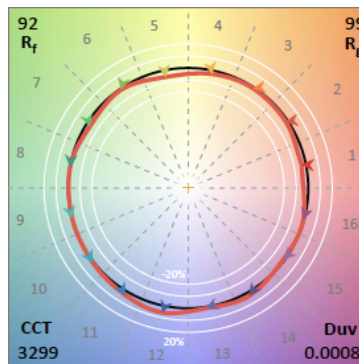
Photometric Data - 2004 - Large

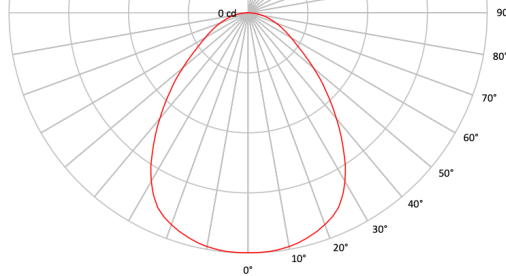
PRENTALUX - 2004 - LARGE - @ 3500K / 90 CRI WITH FLAT LENS			
	Light Level 15L	Light Level 133L	
Filename	PRLX-2004-L-935-15L-L-X-X-WHHR-X.ies	PRLX-2004-L-935-133L-L-X-X-WHHR-X.ies	
Test No.	P867327	P867319	
Lumcat	PRLX-2004-L-935-15L-L-X-X-WHHR-X	PRLX-2004-L-935-133L-L-X-X-WHHR-X	
Lumens	1439 Lm	12727 Lm	
Input Watts	16.4 W	111.8 W	
Efficacy LPW	87.7 Lm/W	113.8 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.12 / 1.12 / 1.05	1.12 / 1.12 / 1.05	

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

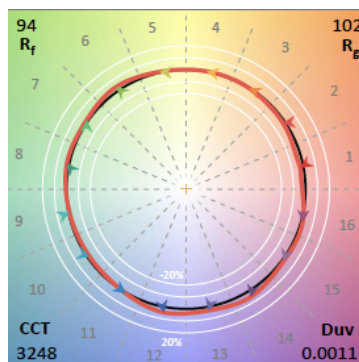


PRENTALUX - 2004 - LARGE - @ 3500K / 90 CRI WITH GLOBE LENS			
	Light Level 15L	Light Level 133L	
Filename	PRLX-2004-L-935-15L-G-X-X-WHHR-X.ies	PRLX-2004-L-935-133L-G-X-X-WHHR-X.ies	
Test No.	P867331	P867323	
Lumcat	PRLX-2004-L-935-15L-G-X-X-WHHR-X	PRLX-2004-L-935-133L-G-X-X-WHHR-X	
Lumens	901 Lm	7973 Lm	
Input Watts	16.4 W	111.8 W	
Efficacy LPW	55 Lm/W	71.3 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.19 / 1.19 / 1.22	1.19 / 1.19 / 1.22	

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 - 2004 - Large

LUMEN Table per CRI, CCT, and Light Level			2004 - Large Globe (GLB) Diffuser, White inner shade color	2004 - Large Flat (FLL) Lens, White inner shade color	WATTS	EFFICACY (Lm/W) Globe	EFFICACY (Lm/W) Flat Lens
CRI	CCT	LL					
90	2700	07L	815	1302	16.4	49.7	79.4
		15L	1729	2760	26.1	66.2	105.8
		25L	2643	4219	37.5	70.5	112.5
		35L	3557	5678	50.4	70.6	112.6
		45L	4470	7136	64.5	69.3	110.6
		55L	5384	8595	79.4	67.8	108.2
		65L	6298	10053	95.2	66.2	105.6
		75L	7212	11512	111.8	64.5	103.0
	3000	07L	872	1393	16.4	53.2	84.9
		15L	1850	2953	26.1	70.9	113.2
		25L	2828	4514	37.5	75.4	120.4
		35L	3805	6075	50.4	75.5	120.5
		45L	4783	7636	64.5	74.2	118.4
		55L	5761	9196	79.4	72.6	115.8
		65L	6738	10757	95.2	70.8	113.0
		75L	7716	12318	111.8	69.0	110.2
	3500	07L	901	1439	16.4	55.0	87.7
		15L	1912	3052	26.1	73.2	116.9
		25L	2922	4664	37.5	77.9	124.4
		35L	3932	6277	50.4	78.0	124.5
		45L	4942	7889	64.5	76.6	122.3
		55L	5952	9502	79.4	75.0	119.7
		65L	6962	11114	95.2	73.1	116.7
		75L	7973	12727	111.8	71.3	113.8
	4000	07L	941	1502	16.4	57.4	91.6
		15L	1996	3186	26.1	76.5	122.1
		25L	3050	4869	37.5	81.3	129.8
		35L	4105	6553	50.4	81.4	130.0
		45L	5159	8236	64.5	80.0	127.7
		55L	6214	9920	79.4	78.3	124.9
		65L	7269	11603	95.2	76.4	121.9
		75L	8323	13287	111.8	74.4	118.8