

Project		Catalog #		Type	
Prepared by		Notes		Date	



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PrentaLux

2001 | Tapered Drum

Integral LED Light Engine
Performance Decorative

Typical Applications

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



Filament only

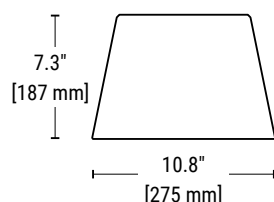


Top Product Features

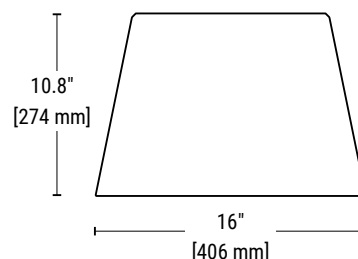
- The PrentaLux 2000 series of performance decorative fixtures utilize Cooper Lighting Solutions proprietary 3D printing technology.
- Integral LED light engine comes in 3 sizes with up to 8 output levels per size ranging from nominal 500 lms to 13,000 lms.
- 8 standard opaque outer shade color options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

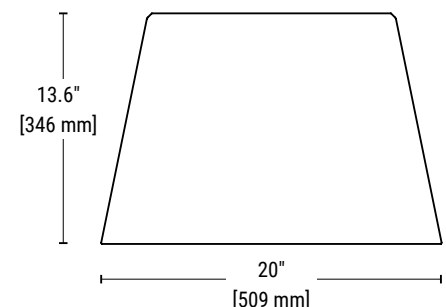
2001 - SMALL



2001 - MEDIUM



2001 - LARGE



Order Information

SAMPLE CATALOG NUMBER: **PRLX-2001-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	2001 = 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 XXXX² = On-Demand Color	Outer Shade Textures: LF = Layered Fine XX¹ = Other Shade Texture	Standard Inner Shade Colors: WHHR¹ = High Reflective White 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. Standard length of cord - 10ft [3050 mm]. Max available length is 25ft [7.62 m]. Consult factory for lengths longer than 10ft.	1. Rigid Stem only.	

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 2001 fixture weighs approximately 4.8lbs.
- Medium 2001 fixture weighs approximately 7.2lbs.
- Large 2001 fixture weighs approximately 13.9lbs.

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.

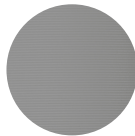
Standard Opaque Outer Shade Colors



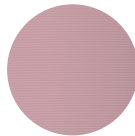
WHITE - White



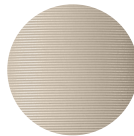
BLAK - Black



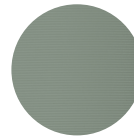
GRAY - Gray



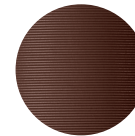
ROSE - Rose



CAPP - Cappuccino



SAGE - Sage



BRNZ - Bronze



BRSS - Brass

Standard Inner Shade Colors



WHHR - White
High Performance
Reflective White



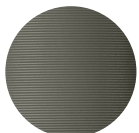
BRSS - Brass



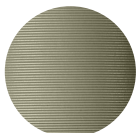
BRNZ - Bronze

On-Demand Colors

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



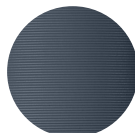
ENGR - Enamel Green



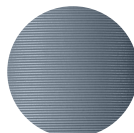
MEGR - Metallic Green



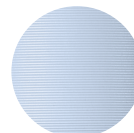
MCHA - Matcha



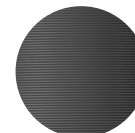
STBL - Steel Blue



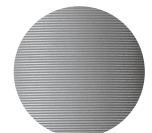
MEBL - Metallic Blue



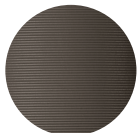
MYBL - Misty Blue



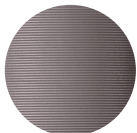
DKGY - Dark Gray



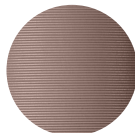
SLVR - Silver



STBR - Stone Brown



MEPU - Metallic Purple



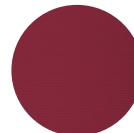
RGLD - Rose Gold



CITR - Citrona



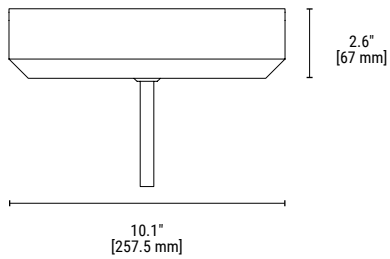
CRWH - Cream White



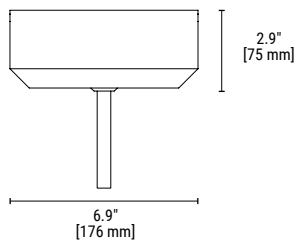
BURG - Burgundy

Mounting - Canopy Options

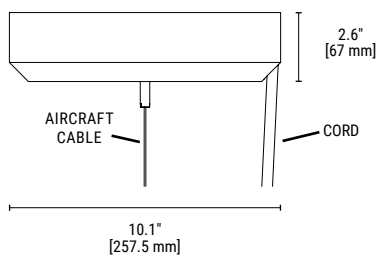
Large Rigid Stem Canopy



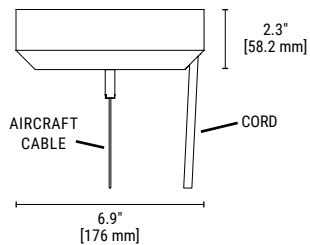
Small Rigid Stem Canopy



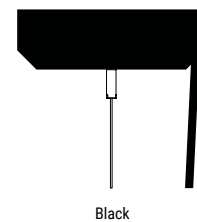
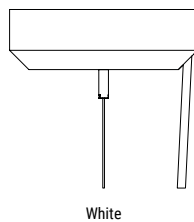
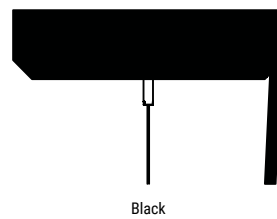
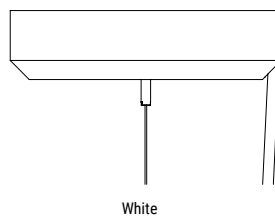
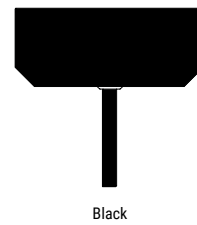
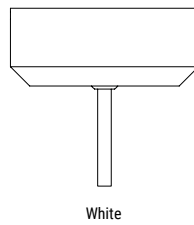
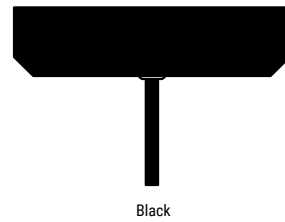
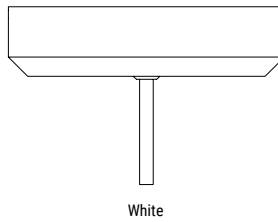
Large Aircraft Cable Canopy



Small Aircraft Cable Canopy

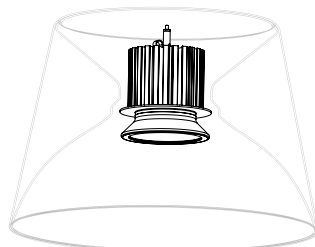
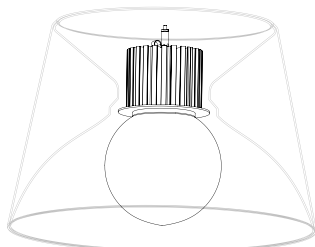


Canopy Colors

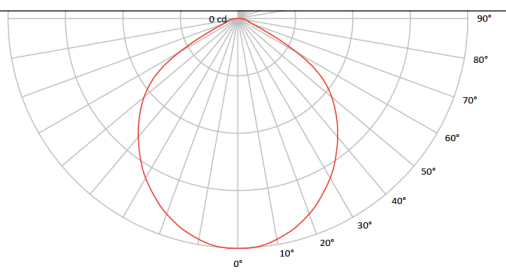


Diffuser Options

Medium Size shown



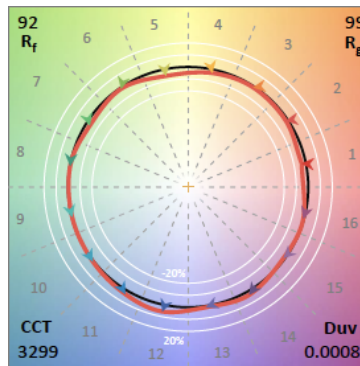
Photometric Data - 2001 - Small

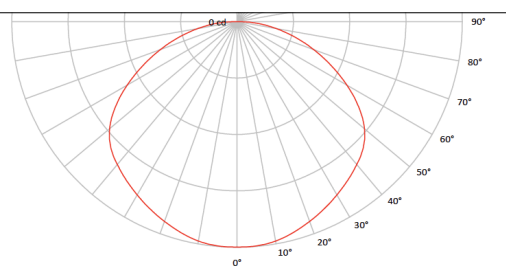
PRENTALUX - 2001 - SMALL - @ 3500K / 90 CRI WITH FLAT LENS			
	Light Level 05L	Light Level 25L	
Filename	PRLX-2001-S-935-05L-L-U-S-X-X-WHHR-X.ies	PRLX-2001-S-935-25L-L-U-S-X-X-WHHR-X.ies	
Test No.	P865499	P865531	
Lumcat	PRLX-2001-S-935-05L-L-U-S-X-X-WHHR-X	PRLX-2001-S-935-25L-L-U-S-X-X-WHHR-X	
Lumens	500 Lm	2500 LM	
Input Watts	6.2 W	29.1 W	
Efficacy LPW	80.6 Lm/W	85.9 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.2 / 1.2 / 1.2	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

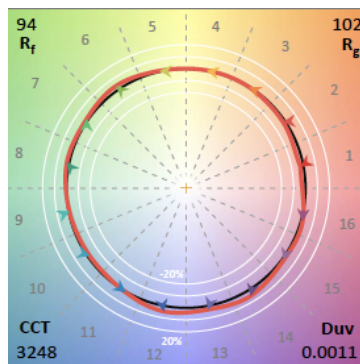


PRENTALUX - 2001 - SMALL - @ 3500K / 90 CRI WITH GLOBE LENS			
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Test No.	P865495	P865527	
Lumcat	PRLX-2001-S-935-05L-G-U-S-X-X-WHHR-X	PRLX-2001-S-935-25L-G-U-S-X-X-WHHR-X	
Lumens	303.7 Lm	1518.5 LM	
Input Watts	6.2 W	29.1 W	
Efficacy LPW	49.0 Lm/W	52.2 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.33 / 1.33 / 1.5	1.33 / 1.33 / 1.5	

Note: Refer to IES files for more product data.

Color Data (3500K)

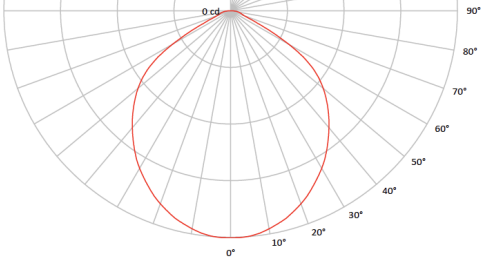
90CRI		
TM-30	R _f	94
	R _g	101.9
CRI/CIE	R ₉	75.1



Lumen/Wattage/LPW Table - Small

LUMEN Table per CRI, CCT, and Light Level			2001 - Small Globe (GLB) Diffuser, White inner shade color	2001 - Small Flat (FLL) Lens, White inner shade color	WATTS	EFFICACY (Lm/W) Globe	EFFICACY (Lm/W) Flat Lens
CRI	CCT	LL					
90	2700	05L	268	442	6.2	43.290	71.268
		10L	537	884	10.5	51.124	84.165
		15L	805	1326	15.6	51.615	84.974
		20L	1074	1767	21.8	49.247	81.076
		25L	1342	2209	29.1	46.117	75.922
	3000	05L	290	478	6.2	46.787	77.026
		10L	580	955	10.5	55.254	90.964
		15L	870	1433	15.6	55.785	91.839
		20L	1160	1910	21.8	53.226	87.626
		25L	1450	2388	29.1	49.842	82.055
	3500	05L	304	500	6.2	48.986	80.645
		10L	607	1000	10.5	57.850	95.238
		15L	911	1500	15.6	58.406	96.154
		20L	1215	2000	21.8	55.727	91.743
		25L	1519	2500	29.1	52.184	85.911
	4000	05L	314	517	6.2	50.663	83.407
		10L	628	1034	10.5	59.831	98.499
		15L	942	1551	15.6	60.406	99.447
		20L	1256	2068	21.8	57.635	94.885
		25L	1571	2586	29.1	53.971	88.853

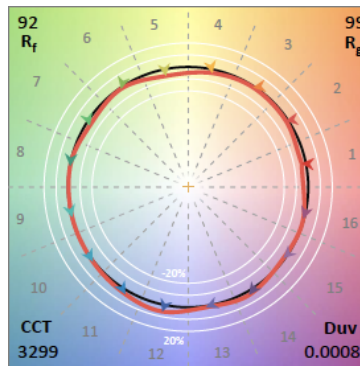
Photometric Data - 2001 - Medium

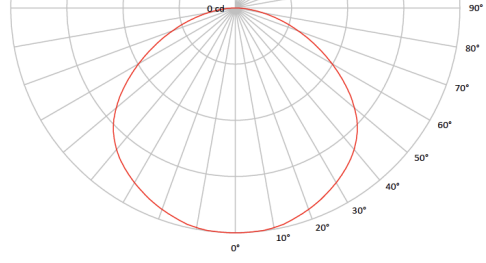
PRENTALUX - 2001 - MEDIUM - @ 3500K / 90 CRI WITH FLAT LENS			
	Light Level 07L	Light Level 75L	
Filename	PRLX-2001-M-935-07L-L-U-S-X-X-WHHR-X.ies	PRLX-2001-M-935-75L-L-U-S-X-X-WHHR-X.ies	
Test No.	P866027	P866083	
Lumcat	PRLX-2001-M-935-07L-L-U-S-X-X-WHHR-X	PRLX-2001-M-935-75L-L-U-S-X-X-WHHR-X	
Lumens	706 Lm	7500 LM	
Input Watts	8.2 W	69.7 W	
Efficacy LPW	86.1 Lm/W	107.6 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.18 / 1.18 / 1.31	1.18 / 1.18 / 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

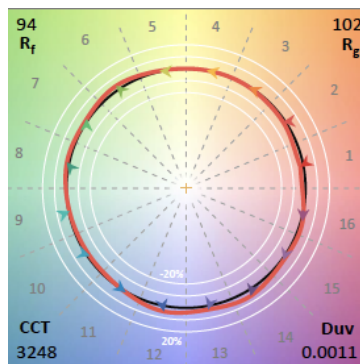


PRENTALUX - 2001 - MEDIUM - @ 3500K / 90 CRI WITH GLOBE LENS			
	Light Level 07L	Light Level 75L	
Filename	PRLX-2001-M-935-07L-G-U-S-X-X-WHHR-X.ies	PRLX-2001-M-935-75L-G-U-S-X-X-WHHR-X.ies	
Test No.	P866023	P866079	
Lumcat	PRLX-2001-M-935-07L-G-U-S-X-X-WHHR-X	PRLX-2001-M-935-75L-G-U-S-X-X-WHHR-X	
Lumens	479.9 Lm	5097.7 LM	
Input Watts	8.2 W	69.7 W	
Efficacy LPW	58.5 Lm/W	73.1 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.34 / 1.34 / 1.47	1.34 / 1.34 / 1.47	

Note: Refer to IES files for more product data.

Color Data (3500K)

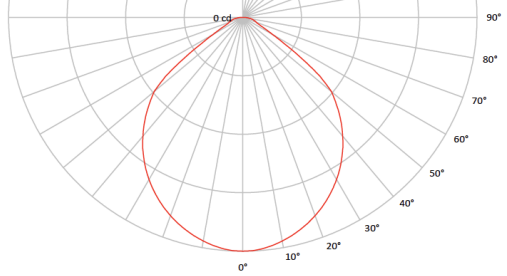
90CRI		
TM-30	R _f	94
	R _g	101.9
CRI/CIE	R ₉	75.1



Lumen/Wattage/LPW Table - 2001 - Medium

LUMEN Table per CRI, CCT, and Light Level			2001 - Medium Globe (GLB) Diffuser, White inner shade color	2001 - Medium Flat (FLL) Lens, White inner shade color	WATTS	EFFICACY (Lm/W) Globe	EFFICACY (Lm/W) Flat Lens
CRI	CCT	LL					
90	2700	07L	449	660	8.2	54.7	80.5
		15L	953	1403	14	68.1	100.2
		25L	1589	2338	21.7	73.2	107.7
		35L	2224	3273	30	74.1	109.1
		45L	2860	4208	38.8	73.7	108.4
		55L	3496	5143	48.3	72.4	106.5
		65L	4131	6078	58.6	70.5	103.7
		75L	4767	7013	69.7	68.4	100.6
	3000	07L	470	692	8.2	57.4	84.4
		15L	999	1470	14	71.4	105.0
		25L	1666	2450	21.7	76.8	112.9
		35L	2332	3430	30	77.7	114.3
		45L	2998	4411	38.8	77.3	113.7
		55L	3664	5391	48.3	75.9	111.6
		65L	4330	6371	58.6	73.9	108.7
		75L	4997	7351	69.7	71.7	105.5
	3500	07L	480	706	8.2	58.5	86.1
		15L	1020	1500	14	72.8	107.1
		25L	1699	2500	21.7	78.3	115.2
		35L	2379	3500	30	79.3	116.7
		45L	3059	4500	38.8	78.8	116.0
		55L	3738	5500	48.3	77.4	113.9
		65L	4418	6500	58.6	75.4	110.9
		75L	5098	7500	69.7	73.1	107.6
	4000	07L	508	747	8.2	61.9	91.1
		15L	1079	1588	14	77.1	113.4
		25L	1798	2646	21.7	82.9	121.9
		35L	2518	3704	30	83.9	123.5
		45L	3237	4763	38.8	83.4	122.8
		55L	3957	5821	48.3	81.9	120.5
		65L	4676	6880	58.6	79.8	117.4
		75L	5395	7938	69.7	77.4	113.9

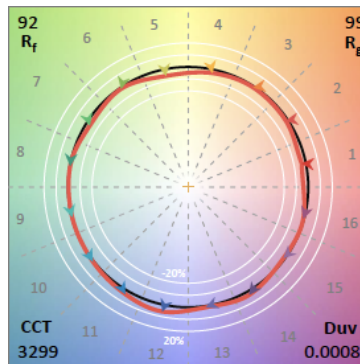
Photometric Data - 2001 - Large

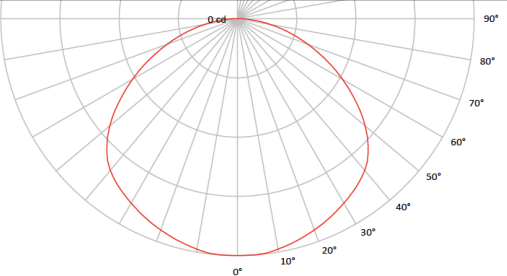
PRENTALUX - 2001 - LARGE - @ 3500K / 90 CRI WITH FLAT LENS			
	Light Level 15L	Light Level 133L	
Filename	PRLX-2001-L-935-15L-L-X-X-WHHR-X.ies	PRLX-2001-L-935-133L-L-X-X-WHHR-X.ies	
Test No.	P866815	P866807	
Lumcat	PRLX-2001-L-935-15L-L-X-X-WHHR-X	PRLX-2001-L-935-133L-L-X-X-WHHR-X	
Lumens	1517 Lm	13417 LM	
Input Watts	16.4 W	29.1 W	
Efficacy LPW	92.5 Lm/W	120 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	70.2

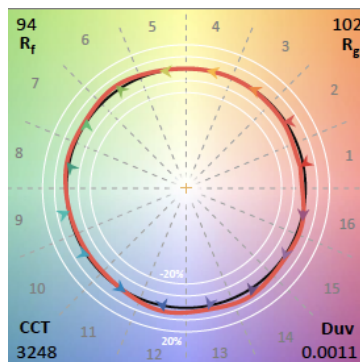


PRENTALUX - 2001 - LARGE - @ 3500K / 90 CRI WITH GLOBE LENS			
	Light Level 15L	Light Level 133L	
Filename	PRLX-2001-L-935-15L-G-X-X-WHHR-X.ies	PRLX-2001-L-935-133L-G-X-X-WHHR-X.ies	
Test No.	P865495	P866811	
Lumcat	PRLX-2001-L-935-15L-G-X-X-WHHR-X	PRLX-2001-L-935-133L-G-X-X-WHHR-X	
Lumens	987.7 Lm	8736.1 LM	
Input Watts	16.4 W	111.8 W	
Efficacy LPW	60.2 Lm/W	78.1 Lm/W	
CCT	3500K	3500K	
Spacing Criteria (0/90/45)	1.35 / 1.35 / 1.48	1.35 / 1.35 / 1.48	

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 - 2001 - Large

LUMEN Table per CRI, CCT, and Light Level			2001 - Large Globe (GLB) Diffuser, White inner shade color	2001 - Large Flat (FLL) Lens, White inner shade color	WATTS	EFFICACY (Lm/W) Globe	EFFICACY (Lm/W) Flat Lens
CRI	CCT	LL					
90	2700	15L	893	1372	16.4	54.5	83.7
		32L	1895	2910	26.1	72.6	111.5
		48L	2896	4448	37.5	77.2	118.6
		67L	3897	5985	50.4	77.3	118.8
		83L	4898	7523	64.5	75.9	116.6
		100L	5900	9061	79.4	74.3	114.1
		117L	6901	10598	95.2	72.5	111.3
		133L	7902	12136	111.8	70.7	108.6
	3000	15L	956	1468	16.4	58.3	89.5
		32L	2027	3114	26.1	77.7	119.3
		48L	3099	4759	37.5	82.6	126.9
		67L	4170	6404	50.4	82.7	127.1
		83L	5241	8049	64.5	81.3	124.8
		100L	6312	9695	79.4	79.5	122.1
		117L	7384	11340	95.2	77.6	119.1
		133L	8455	12985	111.8	75.6	116.1
	3500	15L	988	1517	16.4	60.2	92.5
		32L	2095	3217	26.1	80.3	123.3
		48L	3202	4917	37.5	85.4	131.1
		67L	4308	6617	50.4	85.5	131.3
		83L	5415	8317	64.5	84.0	128.9
		100L	6522	10017	79.4	82.1	126.2
		117L	7629	11717	95.2	80.1	123.1
		133L	8736	13417	111.8	78.1	120.0
	4000	15L	1031	1584	16.4	62.9	96.6
		32L	2187	3358	26.1	83.8	128.7
		48L	3342	5133	37.5	89.1	136.9
		67L	4498	6908	50.4	89.2	137.1
		83L	5653	8683	64.5	87.7	134.6
		100L	6809	10458	79.4	85.8	131.7
		117L	7965	12232	95.2	83.7	128.5
		133L	9120	14007	111.8	81.6	125.3