Project		Catalog #		Type	
Prepared by		Notes		Date	

PrentaLux

CYL2 - 2" Sustainable LED Cylinder

2" Cylinder
Integral LED Light Engine
Functional Performance Decorative

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

UL CERTIFIED | BAA BUY AMERICAN ACT COMPLIANT OPTIONS AVAILABLE | RoHS COMPLIANT | ISCC CERTIFIED 100% BIO-BASED PLASTIC MASS BALANCE APPROACH | Declare. | damp location
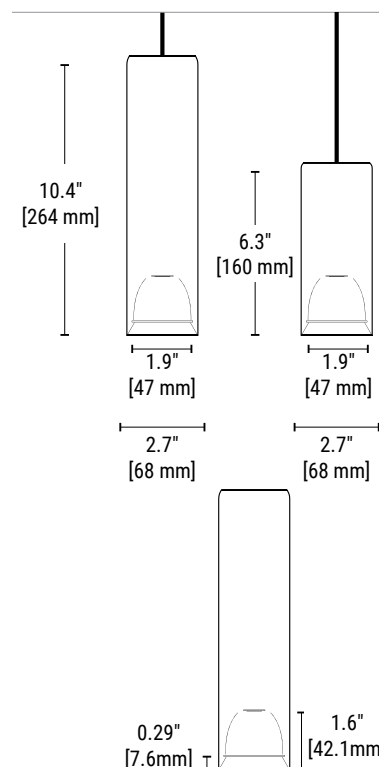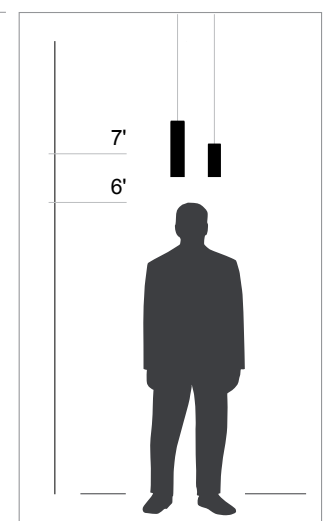
Filament only

Interactive Menu

Top Product Features

- PrentaLux CYL2 is a series of performance and decorative cylinder pendants using Cooper Lighting Solutions additive manufacturing technology with an integral LED light engine.
- 7 housing texture options available.
- 9 standard opaque outer housing color options and 5 opaque color inner trim options with additional on-demand colors available.
- 90+ CRI standard with 4 CCT options (2700K, 3000K, 3500K, 4000K).
- 2 Light Levels: 1000, 1500 nominal lumens.
- Integral driver with two dimming protocols. 1-10V (120-277V) and ELV reverse phase (120V).
- 5 Year Warranty.

Dimensions

10.4"
[264 mm]

6.3"
[160 mm]

1.9"
[47 mm]

1.9"
[47 mm]

2.7"
[68 mm]

2.7"
[68 mm]

0.29"
[7.6mm]

1.6"
[42.1mm]

Scale

7'
6'

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Order Information

SAMPLE CATALOG NUMBER: **PRLX-CYL2-10-935-10L-FL-U-S-BLAK-MW-BRSS-CBK-DB**

Domestic Preferences	Brand	Series	Height	CRI/CCT	Light Level	Optics	Voltage	Dimming
[Blank] = Standard **BAA** = Buy America Act	**PRLX**	**CYL2**	**10** = 10" **06** = 6"	**927** = 90 CRI, 2700K **930** = 90 CRI, 3000K **935** = 90 CRI, 3500K **940** = 90 CRI, 4000K	**10L** = 1000 lms, 9.5W **15L** = 1500 lms, 13.2W	**SP** = Spot (19°) **MD** = Medium (23°) **NF** = Narrow Flood (27°) **FL** = Flood (38°)	**U** = Universal Voltage (120-277V)	**S** = 0-10V and ELV reverse phase. 100-5%
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.	Notes	Notes		Notes	Notes 1. Lumen targets above are based on 90 CRI and 3500K values. Use IES files for accurate calculations. 2. See Lumen Table on Page 5 for exact CCT to Lumen table values.	Notes	Notes	Notes

Continue here to make complete selections

Housing Color[1]	Housing Texture	Trim Color[1]	Mounting Type	Canopy Shape and Color
Standard Housing Colors: **WHTE** = White **BLAK** = Black **GRAY** = Gray **ROSE** = Rose **CAPP** = Cappuccino **SAGE** = Sage **BRNZ** = Bronze **BRSS** = Brass **SLVR** = Silver **XXXX**[2] = On-Demand Color	**Outer Shade Textures:** **MW** = Micro Woven (Standard) **NL** = Natural Lines **VF** = Vertical Fluted **CH** = Checkered **QS** = Quilted Square **HC** = Honeycomb **IC** = Iced Out **XX**[2] = Other Shade Texture	**Standard Trim Colors:** **WHTE** = White **BLAK** = Black **SLVR** = Silver **BRNZ** = Bronze **BRSS** = Brass **HTCM** = Housing Trim Color Match **XXXX**[2] = On-Demand Color	**Cord Mounting**[1]**:** **CWH** = Cord, White **CBK** = Cord, Black **Rigid Stem Mounting**[2]**:** **STM** = Stem Mount	**DW** = Disk - White **DB** = Disk - Black **DC** = Disk canopy matches outer shade color (opaque color only) **CW** = Conical - White **CB** = Conical - Black **CC** = Conical canopy matches outer shade color (opaque color only) **[BLANK]** = Canopy included with Stem Mount Kit
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.	Notes 1. See page 4 for texture details and options. 2. Consult factory to request other textures. Extended lead times, additional costs, and minimum order quantity may apply.	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.	Notes 1. Standard length of cord - 10ft [3050 mm]. Max available length is 25ft [7.62 m]. Consult factory for lengths longer than 10ft. 2. Rigid stem must be ordered seperately as an accessory. See Mounting section on next page for Stem Accessory Kit Ordering Codes.	Notes 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 CYL2 consists of an integral LED light engine and driver.
- Housing components are made with a robust polycarbonate material utilizing a proprietary additive manufacturing process.
- 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 and ELV combination dimming protocol.

LED & Light Engine
- Available in 2700K, 3000K, 3500K, and 4000K CCT and 90 CRI only.
- Lumen packages ranging from nominal 1000, 1500 lumens. (subject to specific CCT and Light Level).

Driver
- 0-10V and ELV with 5% dimming.

Optics
- Polar plot and UGR data on page 5.

Environment
- Suited for 25° ambient. Damp location rated.

Shielding
- Optic depth and design provides excellent physical cut off.

Colors & Textures
- 9 standard outer housing colors available. On-Demand colors and textures available with possible extended lead times and additional costs. Please consult factory.

Mounting
- Mounting options include UL certified cord or stem and option of 3D printed disk shape or conical shape, mounting hardware.

Stem Kit Ordering Codes

Stem Mount Black:		Stem Mount White:	
CASK36BK	36" Stem Kit	CASK36WH	36" Stem Kit
CASK48BK	48" Stem Kit	CASK48WH	48" Stem Kit
CASK60BK	60' Stem Kit	CASK60WH	60' Stem Kit
CASK72BK	72' Stem Kit	CASK72WH	72' Stem Kit

Lengths
- Fixture comes with 10ft cord. Lengths up to 25 ft possible. (Consult factory as longer lead times apply).
- Multiple length rigid stems are available as an accessory (ordered seperately).

Weight
- All products are light weight and much easier to install than traditional pendants. See Mounting section for Stem Ordering Codes.
- 10.6" CYL2 weighs approximately 1.2 lbs
- 6.5" CYL2 weighs approximately 1.0 lbs

Warranty
- Standard five-year limited warranty on all parts.

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
- 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.
- IK02 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).
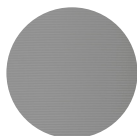- ISCC certified. Certification applies only to 3D printed material.
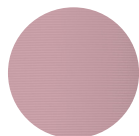
Standard Housing Colors
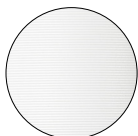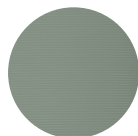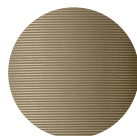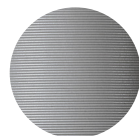
- **WHTE -** White
- **BLAK-** Black
- **GRAY -** Gray
- **ROSE -** Rose
- **CAPP -** Cappuccino
- **SAGE -** Sage
- **BRNZ -** Bronze
- **BRSS -** Brass
- **SLVR -** Silver

Trim Colors
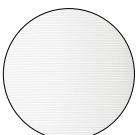
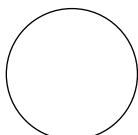- **WHTE -** White
- **BLAK-** Black
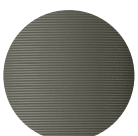- **BRNZ -** Bronze
- **BRSS -** Brass
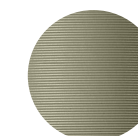- **SLVR -** Silver
- **HTCM -** Housing Trim Color Match
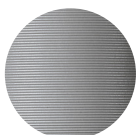
On-Demand Colors

These On-Demand color options for housing and trims may have extended lead times and/or additional costs. Please consult factory.
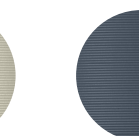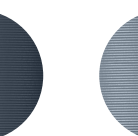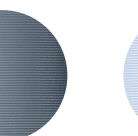
- **ENGR -** Enamel Green
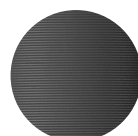- **MEGR -** Metallic Green
- **MCHA -** Matcha
- **STBL -** Steel Blue
- **MEBL -** Metallic Blue
- **MYBL -** Misty Blue
- **DKGY -** Dark Gray
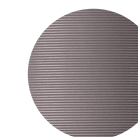
- **STBR -** Stone Brown
- **MEPU -** Metallic Purple
- **RGLD -** Rose Gold
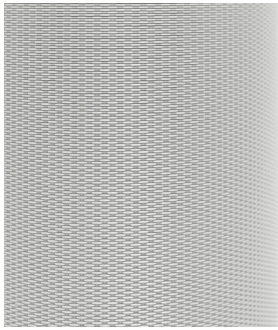- **CITR -** Citrona
- **CRWH -** Cream White
- **BURG -** Burgundy
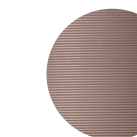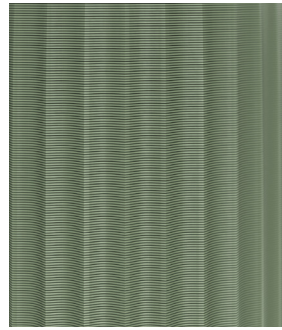
Housing Textures
Close up view of textures

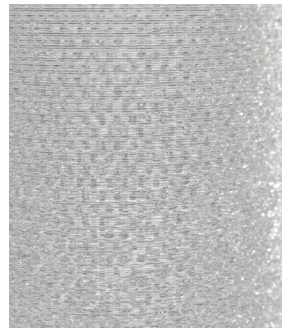Micro Woven **(MV)**

Natural Lines **(NL)**

Vertical Fluted **(VF)**

Checkered **(CH)**

Quilted Square **(QS)**
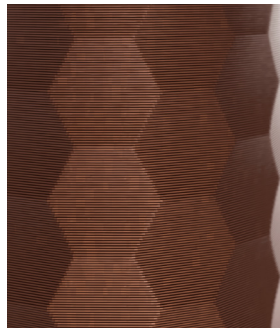
Honeycomb **(HC)**

Iced Out **(IC)**

Trim Colors
Close up view of trims

WHTE - White
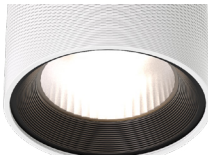
BLAK- Black
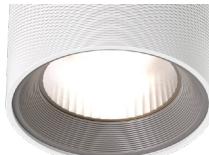
SLVR - Silver
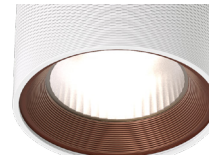
BRNZ - Bronze
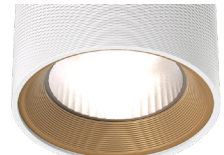
BRSS - Brass

Mounting - Canopy Options

Disk Canopy

1.3"
[34 mm]

4.7"
[120 mm]

Conical Canopy

3.3"
[84 mm]

4.7"
[120 mm]
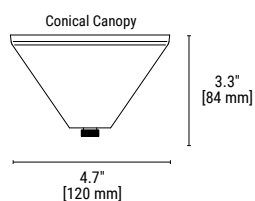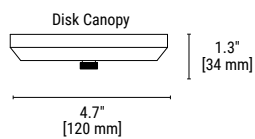
Canopy Colors

DW
Disk - White

DB
Disk - Black

DC
Disk canopy matches Outer Shade color
(Opaque Only)

CW
Conical - White

CB
Conical - Black
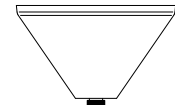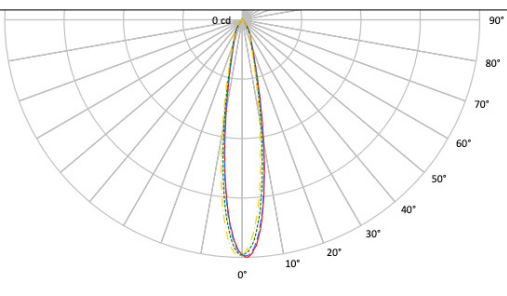
CC
Conical canopy matches Outer Shade color
(Opaque Only)
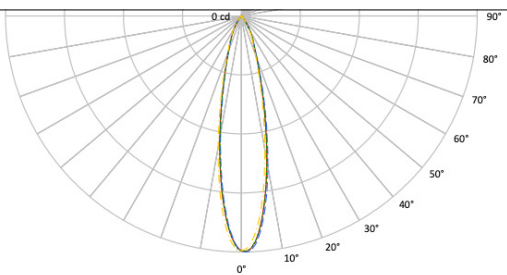
Photometric Data - Spot

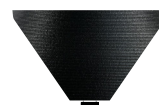| PRENTALUX - CYL2 - 2"- SPOT - @ 3000K / 90 CRI			
	Light Level 10L	**Light Level 15L**	
Filename	PRLX-CYL2-X-930-10L-SP-U-S-X-X-WHTE.ies	PRLX-CYL2-X-930-15L-SP-U-S-X-X-WHTE.ies	
Test No.	P979239	P979243	
Lumcat	PRLX-CYL2-X-930-10L-SP-U-S-X-X-WHTE	PRLX-CYL2-X-930-15L-SP-U-S-X-X-WHTE	
Lumens	965 Lm	1369 Lm	
Input Watts	9.5 W	13.2 W	
Efficacy LPW	101.6 Lm/W	103.7 Lm/W	
CCT	3000K	3000K	
Spacing Criteria (0/90/45)	0.32 / 0.32 / 0.33	0.32 / 0.32 / 0.33	

Lumen/Wattage/LPW Table - Spot

LUMEN Table per CRI, CCT, and Light Level			White Spot	WATTS	EFFICACY (Lm/W)
CRI	**CCT**	**LL**			
90	2700	10L	927	9.5	97.5
		15L	1314	13.2	99.6
	3000	10L	965	9.5	101.6
		15L	1369	13.2	103.7
	3500	10L	1023	9.5	107.7
		15L	1451	13.2	110
	4000	10L	1042	9.5	109.7
		15L	1479	13.2	112
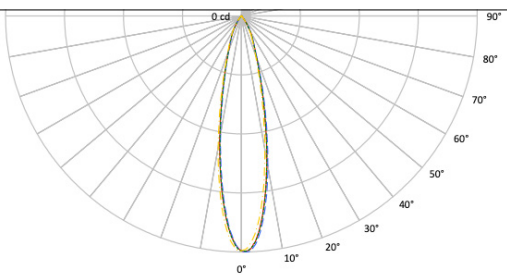
Photometric Data - Medium

PRENTALUX - CYL2 - 2"- MEDIUM - @ 3000K / 90 CRI		
	Light Level 10L	**Light Level 15L**
Filename	PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE.ies	PRLX-CYL2-X-930-15L-MD-U-S-X-X-WHTE.ies
Test No.	P979238	P979242
Lumcat	PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE	PRLX-CYL2-X-930-15L-MD-U-S-X-X-WHTE
Lumens	945 Lm	1341 Lm
Input Watts	9.5 W	13.2 W
Efficacy LPW	99.5 Lm/W	101.6 Lm/W
CCT	3000K	3000K
Spacing Criteria (0/90/45)	0.38 / 0.38 / 0.41	0.38 / 0.38 / 0.41

Lumen/Wattage/LPW Table - Medium

LUMEN Table per CRI, CCT, and Light Level			White Medium	WATTS	EFFICACY (Lm/W)
CRI	**CCT**	**LL**			
90	2700	10L	926	9.5	95.6
		15L	1314	13.2	97.6
	3000	10L	965	9.5	99.5
		15L	1369	13.2	101.6
	3500	10L	1023	9.5	105.5
		15L	1451	13.2	107.7
	4000	10L	1042	9.5	107.5
		15L	1478	13.2	109.7

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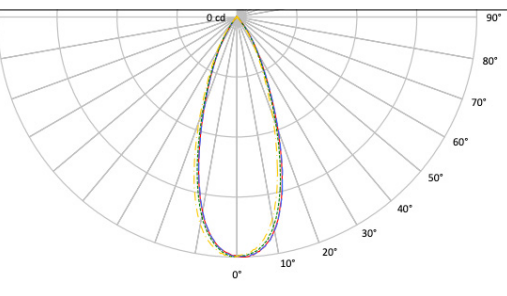
Photometric Data - Narrow Flood

PRENTALUX - CYL2 - 2"- NARROW FLOOD - @ 3000K / 90 CRI		
	Light Level 10L	**Light Level 15L**
Filename	PRLX-CYL2-X-930-10L-NF-U-S-X-X-WHTE.ies	PRLX-CYL2-X-930-15L-NF-U-S-X-X-WHTE.ies
Test No.	P979237	P979241
Lumcat	PRLX-CYL2-X-930-10L-NF-U-S-X-X-WHTE	PRLX-CYL2-X-930-15L-NF-U-S-X-X-WHTE
Lumens	962 Lm	1365 Lm
Input Watts	9.5 W	13.2 W
Efficacy LPW	101.3 Lm/W	103.4 Lm/W
CCT	3000K	3000K
Spacing Criteria (0/90/45)	0.44 / 0.44 / 0.47	0.44 / 0.44 / 0.47

Lumen/Wattage/LPW Table - Narrow Flood

LUMEN Table per CRI, CCT, and Light Level			White Narrow Flood	WATTS	EFFICACY (Lm/W)
CRI	**CCT**	**LL**			
90	2700	10L	924	9.5	97.3
		15L	1310	13.2	99.3
	3000	10L	962	9.5	101.3
		15L	1365	13.2	103.4
	3500	10L	1020	9.5	107.4
		15L	1447	13.2	109.6
	4000	10L	1039	9.5	109.4
		15L	1474	13.2	111.7

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Photometric Data - Flood

PRENTALUX - CYL2 - 2"- FLOOD - @ 3000K / 90 CRI		
	Light Level 10L	**Light Level 15L**
Filename	PRLX-CYL2-X-930-10L-FL-U-S-X-X-WHTE.ies	PRLX-CYL2-X-930-15L-FL-U-S-X-X-WHTE.ies
Test No.	P979236	P979240
Lumcat	PRLX-CYL2-X-930-10L-FL-U-S-X-X-WHTE	PRLX-CYL2-X-930-15L-FL-U-S-X-X-WHTE
Lumens	951 Lm	1350 Lm
Input Watts	9.5 W	13.2 W
Efficacy LPW	100.2 Lm/W	102.3 Lm/W
CCT	3000K	3000K
Spacing Criteria (0/90/45)	0.62 / 0.62 / 0.61	0.62 / 0.62 / 0.61

Lumen/Wattage/LPW Table - Flood

LUMEN Table per CRI, CCT, and Light Level			White Flood	WATTS	EFFICACY (Lm/W)
CRI	**CCT**	**LL**			
90	2700	10L	913	9.5	96.2
		15L	1296	13.2	98.2
	3000	10L	951	9.5	100.2
		15L	1350	13.2	102.3
	3500	10L	1008	9.5	106.2
		15L	1447	13.2	109.6
	4000	10L	1027	9.5	108.2
		15L	1458	13.2	110.5