| Project | | Catalog # | | Type | |
|---|---|---|---|---|---|
| **Prepared by** | | **Notes** | | **Date** | |



# PrentaLux

## CYL3 - 3" Sustainable LED Cylinder

3" 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 COMPLIANT BIO-BASED PLASTIC MASS BALANCE APPROACH *Filament only* · damp location

## Interactive Menu

## Top Product Features

- PrentaLux CYL3 is a series of performance and decorative cylinder pendants using Cooper Lighting Solutions additive manufacturing technology with an integral LED light engine.
- 8 housing texture options available.
- 9 standard opaque housing color options and and 5 opaque color inner trim options with additional on-demand colors available.
- 90+ CRI standard with 4 CCT options (2700K, 3000K, 3500K, 4000K).
- 3 Light Levels: 1000, 1500, 2300+ nominal lumens.
- Universal Voltage (120-277V).
- 0-10V integral driver with dimming from 100% to 1%.
- 5 Year Warranty.

## Dimensions



10.4"
[264 mm]

2.68"
[68 mm]

0.6"
[15 mm]

3.54"
[90 mm]

## Scale



7'

6'

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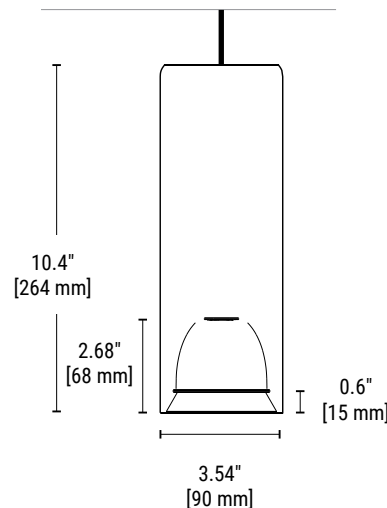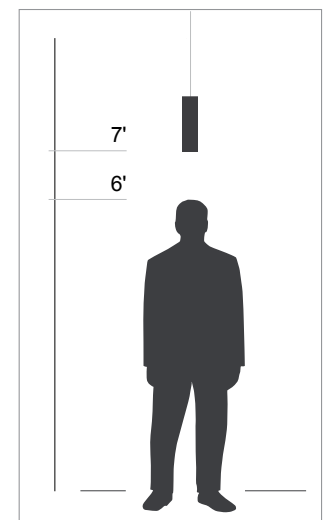
## Order Information

SAMPLE CATALOG NUMBER: **PRLX-CYL3-10-935-10L-FL-U-S-BLAK-MW-BRSS-CBK-DB**

| Domestic Preferences | Brand | Series | Height | CRI/CCT | Light Level | Optics | Voltage | Dimming |
|---|---|---|---|---|---|---|---|---|
| **[Blank]** = Standard<br>**BAA** = Buy America Act | **PRLX** | **CYL3** | **10** = 10" | **927** = 90 CRI, 2700K<br>**930** = 90 CRI, 3000K<br>**935** = 90 CRI, 3500K<br>**940** = 90 CRI, 4000K | **10L** = 1000 lms, 9.5W<br>**15L** = 1500 lms, 13.5W<br>**23L** = 2300 lms, 22.5W | **SP** = Spot (17°)<br>**MD** = Medium (22°)<br>**FL** = Flood (34°)<br>**WD** = Wide Flood (60°) | **U** = Universal Voltage (120-277V) | **S** = 0-10V, 100-1% Dimming |
| Notes<br><br>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<br><br>1. Lumen targets above are based on 90 CRI and 3500K values. Use IES files for accurate calculations.<br>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:**<br>**WHTE** = White<br>**BLAK** = Black<br>**GRAY** = Gray<br>**ROSE** = Rose<br>**CAPP** = Cappuccino<br>**SAGE** = Sage<br>**BRNZ** = Bronze<br>**BRSS** = Brass<br>**SLVR** = Silver<br><br>**XXXX**[2] = On-Demand Color | **Outer Shade Textures:**<br>**MW** = Micro Woven (Standard)<br>**NL** = Natural Lines<br>**VF** = Vertical Fluted<br>**CH** = Checkered<br>**QS** = Quilted Square<br>**HC** = Honeycomb<br>**TP** = Triangular Pyramids<br>**IC** = Iced Out<br><br>**XX**[2] = Other Shade Texture | **Standard Trim Colors:**<br>**WHTE** = White<br>**BLAK** = Black<br>**SLVR** = Silver<br>**BRNZ** = Bronze<br>**BRSS** = Brass<br>**HTCM** = Housing Trim Color Match<br><br>**XXXX**[2] = On-Demand Color | **Cord Mounting[1]:**<br>**CWH** = Cord, White<br>**CBK** = Cord, Black<br><br>**Rigid Stem Mounting[2]:**<br>**STM** = Rigid Stem | **DW** = Disk - White<br>**DB** = Disk - Black<br>**DC** = Disk canopy matches outer shade color (opaque color only)<br><br>**CW** = Conical - White<br>**CB** = Conical - Black<br>**CC** = Conical canopy matches outer shade color (opaque color only)<br><br>**[BLANK]** = Canopy included with Stem Mount Kit |
| Notes<br><br>1. See page 3 for images of color options.<br>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<br><br>1. See page 4 for texture details and options.<br>2. Consult factory to request other textures. Extended lead times, additional costs, and minimum order quantity may apply. | Notes<br><br>1. See page 3 for images of color options.<br>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<br><br>1. Standard length of cord - 10ft [3050 mm].<br>Max available length is 25ft [7.62 m].<br>Consult factory for lengths longer than 10ft.<br>2. Rigid stem must be ordered seperately as an accessory | Notes<br><br>1. Standard length of cord - 10ft [3050 mm].<br>Max available length is 25ft [7.62 m].<br>Consult factory for lengths longer than 10ft. |

# Product Specifications

### Construction
- PrentaLux CYL3 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 driver integrated into the pendant head (120/277V/ 50-60Hz).

### LED & Light Engine
- Available in 2700K, 3000K, 3500K, and 4000K CCT and 90 CRI only.
- Lumen packages ranging from nominal 1000, 1500, 2300 lumens. (subject to specific CCT and Light Level).

### Driver
- Standard offering is 0-10V with 1% 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 shade 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 Mount Black: | Stem Mount White: |
| --- | --- |
| **CASK36BK** 36" Stem Kit | **CASK36BK** 36" Stem Kit |
| **CASK48BK** 48" Stem Kit | **CASK48BK** 48" Stem Kit |
| **CASK60BK** 60" Stem Kit | **CASK60BK** 60" Stem Kit |
| **CASK72BK** 72" Stem Kit | **CASK72BK** 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.
- CYL3 fixture weighs approximately 2.5lbs

### 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.
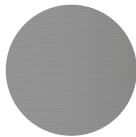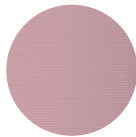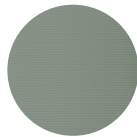
## Standard Housing Colors
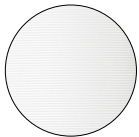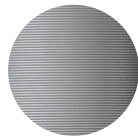
| | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WHTE -** White | **BLAK**- Black | **GRAY** - Gray | **ROSE** - Rose | **CAPP** - Cappuccino | **SAGE** - Sage | **BRNZ -** Bronze | **BRSS** - Brass | **SLVR** - Silver |

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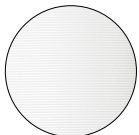
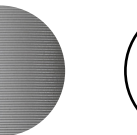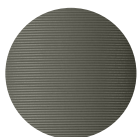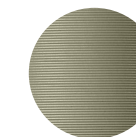| | | | | | |
| --- | --- | --- | --- | --- | --- |
| **WHTE -** White | **BLAK**- Black | **BRNZ** - Bronze | **BRSS** - Brass | **SLVR** - Silver | **HTCM** - Housing Trim Color Match |
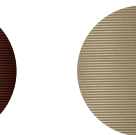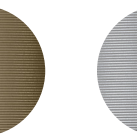
## On-Demand Colors

These On-Demand color options for housing and trims may have extended lead times and/or additional costs.
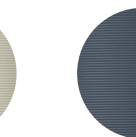Please consult factory.

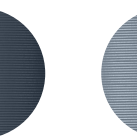| | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **ENGR** - Enamel Green | **MEGR** - Metallic Green | **MCHA** - Matcha | **STBL** - Steel Blue | **MEBL** - Metallic Blue | **MYBL** - Misty Blue | **DKGY** - Dark Gray |
| **STBR** - Stone Brown | **MEPU** - Metallic Purple | **RGLD** - Rose Gold | **CITR** - Citrona | **CRWH** - Cream White | **BURG** - Burgundy | |
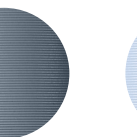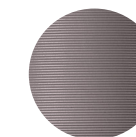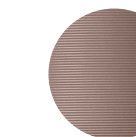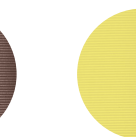
## Housing Textures
**Close up view of textures**
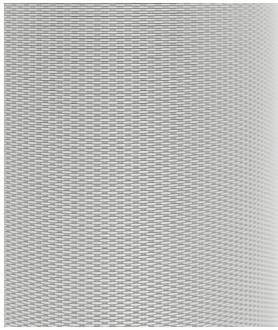
| | | | |
|---|---|---|---|
| Micro Woven **(MV)** | Natural Lines **(NL)** | Vertical Fluted **(VF)** | Checkered **(CH)** |
| Quilted Square **(QS)** | Honeycomb **(HC)** | Iced Out **(IC)** | Triangular Pyramids **(TP)** |
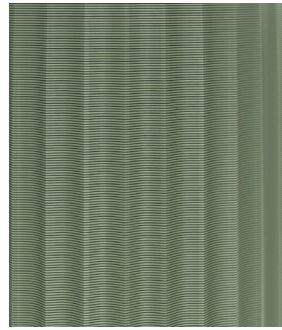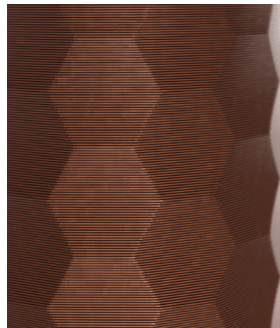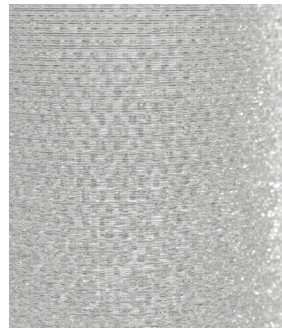
## Trim Colors
**Close up view of trims**
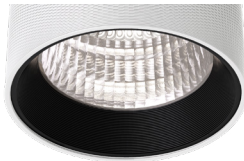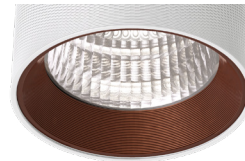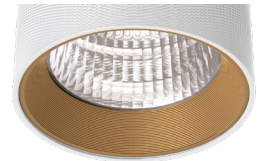
| | | | | |
|---|---|---|---|---|
| **WHTE -** White | **BLAK**- Black | **SLVR** - Silver | **BRNZ -** Bronze | **BRSS -** Brass |

## Mounting - Canopy Options

Disk Canopy
1.3"
[34 mm]
4.7"
[120 mm]

Conical Canopy
3.3"
[84 mm]
4.7"
[120 mm]
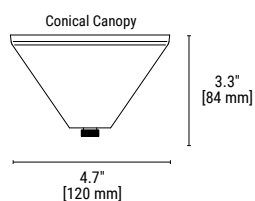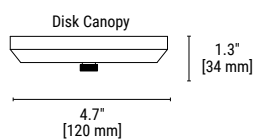
## Canopy Colors

**DW**
Disk - White

**DB**
Disk - Black

**DC**
Disk canopy matches Outer Shade color
(Opaque Only)

**CW**
Conical - White
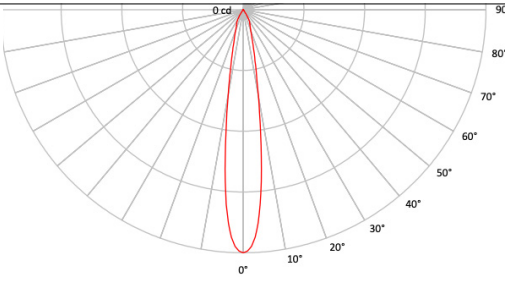
**CB**
Conical - Black

**CC**
Conical canopy matches Outer Shade color
(Opaque Only)
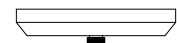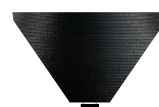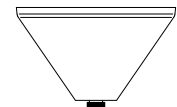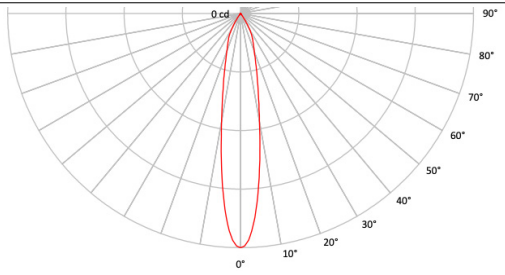
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## Photometric Data - Spot

| PRENTALUX - CYL3  - 3"- SPOT -  @ 3000K / 90 CRI | |
| --- | --- |
| | **Light Level 23L** |
| **Filename** | PRLX-CYL3-10-930-23L-SP-U-S-X-X-WHTE.ies |
| **Test No.** | P981019 |
| **Lumcat** | PRLX-CYL3-10-930-23L-SP-U-S-X-X-WHTE |
| **Lumens** | 2107 Lm |
| **Input Watts** | 22.5 W |
| **Efficacy LPW** | 93.7 Lm/W |
| **CCT** | 3000K |
| **Spacing Criteria (0/90/45)** | 0.28 / 0.28 / 0.29 |

## Lumen/Wattage/LPW Table - Spot

| CRI | CCT | LL | White Spot | WATTS | EFFICACY (Lm/W) |
| --- | --- | --- | --- | --- | --- |
| 90 | 2700 | 23L | 2023 | 22.5 | 89.9 |
| | 3000 | 23L | 2107 | 22.5 | 93.7 |
| | 3500 | 23L | 2234 | 22.5 | 99.3 |
| | 4000 | 23L | 2276 | 22.5 | 101.2 |
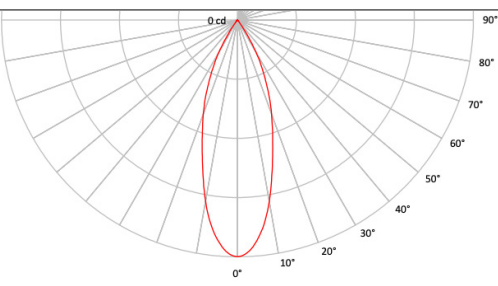
## Photometric Data - Medium

| PRENTALUX - CYL3  - 3"- MEDIUM -  @ 3000K / 90 CRI | |
| --- | --- |
| | **Light Level 23L** |
| **Filename** | PRLX-CYL3-10-930-23L-MD-U-S-X-X-WHTE.ies |
| **Test No.** | P981018 |
| **Lumcat** | PRLX-CYL3-10-930-23L-MD-U-S-X-X-WHTE |
| **Lumens** | 2308 Lm |
| **Input Watts** | 22.5 W |
| **Efficacy LPW** | 102.6 Lm/W |
| **CCT** | 3000K |
| **Spacing Criteria (0/90/45)** | 0.32 / 0.32 / 0.37 |

## Lumen/Wattage/LPW Table - Medium

| CRI | CCT | LL | White Medium | WATTS | EFFICACY (Lm/W) |
| --- | --- | --- | --- | --- | --- |
| 90 | 2700 | 23L | 2213 | 22.5 | 98.5 |
| | 3000 | 23L | 2308 | 22.5 | 102.6 |
| | 3500 | 23L | 2446 | 22.5 | 108.7 |
| | 4000 | 23L | 2492 | 22.5 | 110.8 |
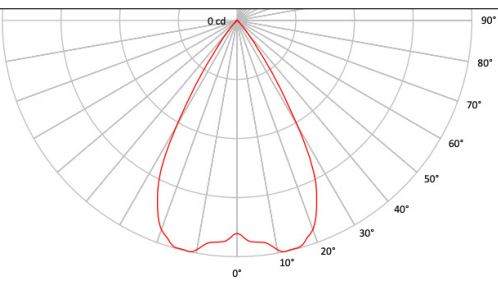
## Photometric Data - Flood

| PRENTALUX - CYL3 - 3"- FLOOD - @ 3000K / 90 CRI | |
|---|---|
| | Light Level 23L |
| Filename | PRLX-CYL3-10-930-23L-FL-U-S-X-X-WHTE.ies |
| Test No. | P981017 |
| Lumcat | PRLX-CYL3-10-930-23L-FL-U-S-X-X-WHTE |
| Lumens | 2231 Lm |
| Input Watts | 22.5 W |
| Efficacy LPW | 99.2 Lm/W |
| CCT | 3000K |
| Spacing Criteria (0/90/45) | 0.56 / 0.56 / 0.62 |

## Lumen/Wattage/LPW Table - Flood

| LUMEN Table per CRI, CCT, and Light Level | | | White Flood | WATTS | EFFICACY (Lm/W) |
|---|---|---|---|---|---|
| CRI | CCT | LL | | | |
| 90 | 2700 | 23L | 2142 | 22.5 | 95.2 |
| | 3000 | 23L | 2231 | 22.5 | 99.2 |
| | 3500 | 23L | 2365 | 22.5 | 105.1 |
| | 4000 | 23L | 2409 | 22.5 | 107.1 |

## Photometric Data - Wide Flood

| PRENTALUX - CYL3 - 3"- WIDE FLOOD - @ 3000K / 90 CRI | |
|---|---|
| | Light Level 23L |
| Filename | PRLX-CYL3-10-930-23L-WD-U-S-X-X-WHTE.ies |
| Test No. | P981020 |
| Lumcat | PRLX-CYL3-10-930-23L-WD-U-S-X-X-WHTE |
| Lumens | 2207 Lm |
| Input Watts | 22.5 W |
| Efficacy LPW | 98.1 Lm/W |
| CCT | 3000K |
| Spacing Criteria (0/90/45) | 1.07 / 1.07 / 0.89 |

## Lumen/Wattage/LPW Table - Wide Flood

| LUMEN Table per CRI, CCT, and Light Level | | | White Wide Flood | WATTS | EFFICACY (Lm/W) |
|---|---|---|---|---|---|
| CRI | CCT | LL | | | |
| 90 | 2700 | 23L | 2118 | 22.5 | 94.2 |
| | 3000 | 23L | 2207 | 22.5 | 98.1 |
| | 3500 | 23L | 2339 | 22.5 | 104 |
| | 4000 | 23L | 2383 | 22.5 | 105.9 |

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