

Project		Catalog #		Type	
Prepared by		Notes		Date	



PrentaLux

210

Integral LED Light Engine
Performance Decorative

Typical Applications

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

Interactive Menu

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- Product Specifications & Colors [page 3](#)
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- Lumen/Wattage/LPW & UGR Data [page 5](#)

Certifications



Filament only.
See page 6



LIVING BUILDING CHALLENGE

Features



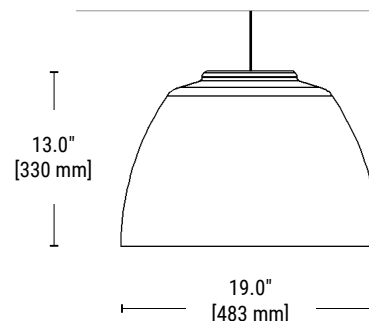
Awards



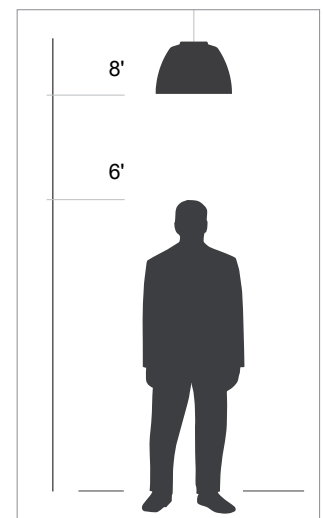
Top Product Features

- The PrentaLux 200 series of performance decorative fixtures utilize Cooper Lighting's proprietary 3D printing technology.
- Integral LED light engine with 8 Light Levels ranging from nominal 1000 to 7000+ lumens.
- Designed to promote a sustainable future. See pages 6-7 for sustainable product features and benefits.
- 3 outer shade texture options, and 3 distinct inner shade texture options.
- 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%
- [Declare compliant](#)
- LBC Red List Approved
- Finishes available on [Material Bank](#)
- 5 Year Warranty

Dimensions



Scale



Order Information

SAMPLE CATALOG NUMBER: PRLX-210-935-LL5-C-U-S-GRAY-LF-WHHR-BR-DW

Domestic Preferences	Brand	Series	CRI	Light Level ²	Optics, Lens
[Blank] = Standard BAA = Buy America Act	PRLX	210	927 = 90 CRI, 2700K 930 = 90 CRI, 3000K 935 = 90 CRI, 3500K 940 = 90 CRI, 4000K	LL1 = 1129 lms (at 3500K, 90CRI), 10W LL2 = 1608 lms (at 3500K, 90CRI), 13W LL3 = 2190 lms (at 3500K, 90CRI), 18W LL4 = 2857 lms (at 3500K, 90CRI), 24W LL5 = 3993 lms (at 3500K, 90CRI), 34W LL6 = 4547 lms (at 3500K, 90CRI), 40W LL7³ = 5874 lms (at 3500K, 90CRI), 56W LL8³ = 6807 lms (at 3500K, 90CRI), 73W	C = Standard (84 deg), Clear Lens F1.2 = Standard (84 deg), Frosted Lens
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. 3. Standard Clear Lens only. Not available with Frosted Lens	Notes 1. Frosted lens will decrease delivered lumen output. Contact factory for details 2. Not available with LL7 and LL8

Continue here to make complete selections

Voltage	Dimming	Outer Shade Color ¹	Outer Shade Texture
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 NL = Natural Lines VF = Vertical Fine XX² = Other Shade Texture
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.	Notes 1. See page 4 for texture details and options. 2. Consult factory to request other textures. Shop drawings may be required. Extended lead times, additional costs, and minimum order quantity may apply.

Continue here to make complete selections

Inner Shade Color	Inner Shade Texture	Canopy Shape and Color
Standard Inner Shade Colors: WHHR = High Reflective White ¹ BRSS = Brass BRNZ = Bronze XXXX² = On-Demand Color	Standard Inner Shade Textures: SR = Layered fine texture BR = Baffle reflector, corrugated texture FL = Floral reflector, decorative texture XX³ = Other Inner Shade Texture	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)
Notes 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.	Notes 1. See page 4 for texture details and options. 2. Consult factory to request other textures. Shop drawings may be required. Extended lead times, additional costs, and minimum order quantity may apply.	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. Power cord is always silver.

Product Specifications

Construction

- PrentaLux 200s consist of an integral LED light engine and a proprietary additive manufacturing process for the polycarbonate shade and components.
- 200 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 pendant head (120/277V/50-60Hz).

LED & Light Engine

- Available in 2700K, 3000K, 3500K, and 4000K CCT
- 90 CRI standard
- 8 Lumen packages ranging from nominal 1000, 1500, 2000, 3000, 4500, 6000, 7000+ lumens. (subject to specific CCT and Light Level).

Driver

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

Optics

- Clear or frosted lens options available
- Polar plot and UGR data on page 5.

Environment

- Suited for 25° ambient. Dry location only.

Shielding

- Shade optic depth and design provides excellent physical cut off.
- 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.
- 3 inner shade textures offered.
- On-Demand colors and textures available with possible extended lead times and additional costs. Please consult factory.
- Finishes are available for review on [Material Bank](#) under Cooper Lighting Solutions PrentaLux brand.

Mounting

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

Lengths

- Fixture comes with 10ft cord. Lengths up to 25 ft possible. (Consult factory as longer lead times apply).

Weight

- All products are light weight and much easier to install than traditional pendants.
- 210 fixture weighs approximately 8.4lbs

Warranty

- Standard five-year limited warranty on all parts.

Compliance

- Components are UL recognized and luminaires are cULus listed for 25° ambient environments. Dry Location Listed
- Filament material is UL certified.
- BAA compliant
- RoHS compliant
- Declare Compliant, LBC Red List Approved, ISCC Certified
- 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 55% mass balanced bio-circular materials.
- 58% of the 210 lighting fixture is made of 3D printed material.
- ISCC certified. Certification applies only to 3D printed material. See page 7
- Declare compliant
- LBC Red List Approved
- See pages 6-7 for additional sustainability details.

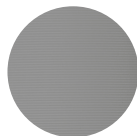
Standard Opaque Outer Shade Colors



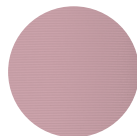
WHITE - White



BLAK - Black



GRAY - Gray



ROSE - Rose



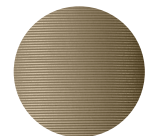
CAPP - Cappuccino



SAGE - Sage



BRNZ - Bronze



BRSS - Brass

Standard Inner Shade Colors



WHHR - White
High Performance
Reflective White



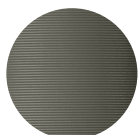
BRSS - Brass



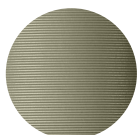
BRNZ - Bronze

On-Demand Colors

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



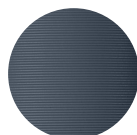
ENGR - Enamel Green



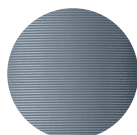
MEGR - Metallic Green



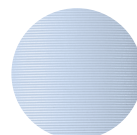
MCHA - Matcha



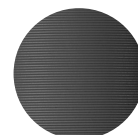
STBL - Steel Blue



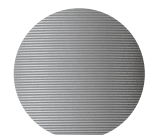
MEBL - Metallic Blue



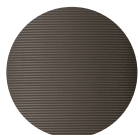
MYBL - Misty Blue



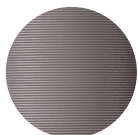
DKGY - Dark Gray



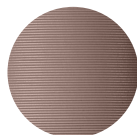
SLVR - Silver



STBR - Stone Brown



MEPU - Metallic Purple



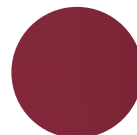
RGLD - Rose Gold



CITR - Citrona



CRWH - Cream White



BURG - Burgundy

Outer Shade Textures



LF - Layered Fine

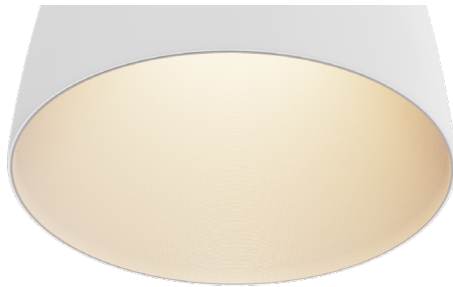


VF - Vertical Fine

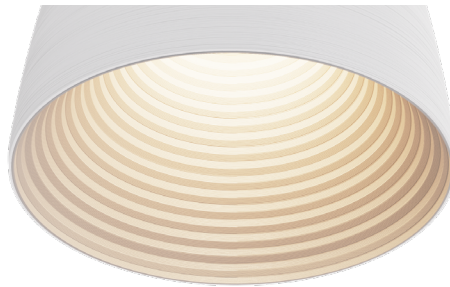


NL - Natural Lines

Inner Shade Textures



SR - Smooth

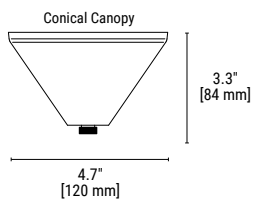
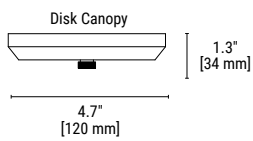


Baffle (BR)

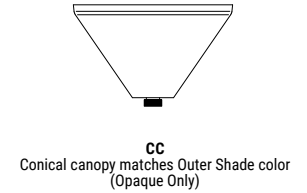
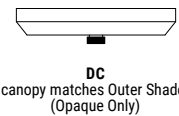


FL - Floral

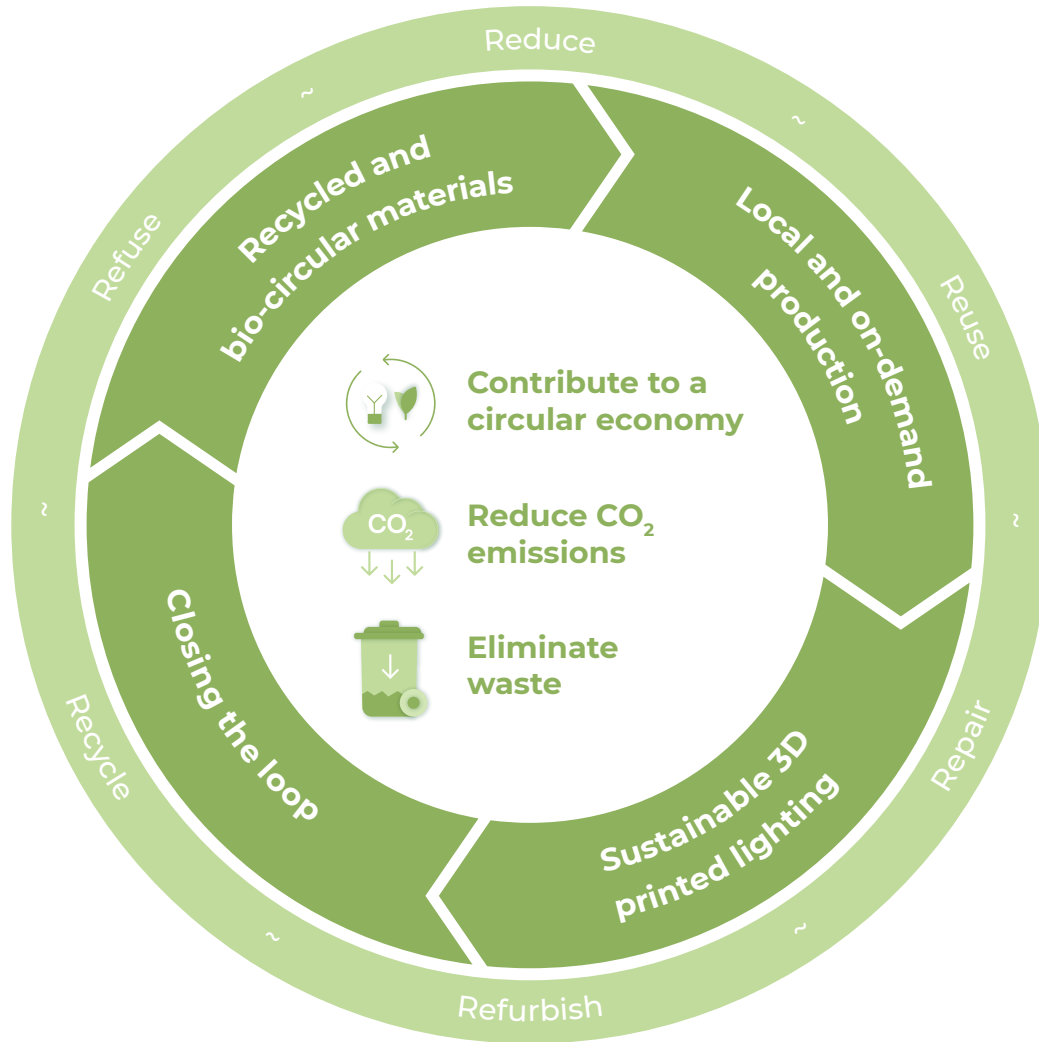
Mounting - Canopy Options



Canopy Colors



PHOTOMETRY COMING SOON



Sustainability

PrentaLux is setting a new benchmark for sustainability in performance lighting. We are deeply committed to reducing CO2 emissions as a vital part of our efforts to combat climate change. Our ambition is to become truly circular in our 3D printing activities. PrentaLux products maximize sustainability by reducing carbon emissions, reducing components and assembly time through the innovative design and technology of 3D printing, reusing our misprints that reduce our carbon footprint, and by utilizing recycled plastics and repurposed waste from food processing and wood pulp industries as the feedstock for PrentaLux 3D printing filaments.



REDUCE

3D printing can save up to 76% lower carbon emissions on material supply and manufacturing. This data is based on a lifecycle comparison of a traditionally manufactured downlight and a 3D printed downlight.



REDUCE

Up to 28% lower carbon emissions in transport. PrentaLux products are manufactured in the US to improve lead times and lessen transportation costs, reducing carbon emissions compared to traditionally manufactured products *(based on a downlight comparison study)*



REUSE

The cardboard and paper packaging materials used to ship PrentaLux products, are themselves, 80% recycled paper at the very least.



RECYCLE

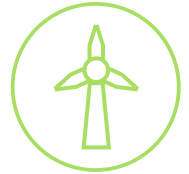
Our 3D printed parts are created with over 55% recycled or bio-circular materials.

Material Sustainability through Production and Supply Chain



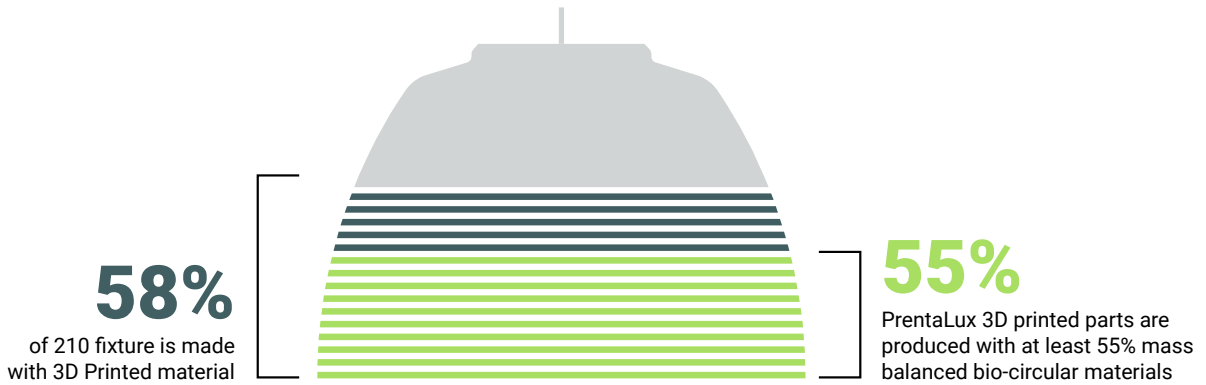
Each of our 3D printing manufacturing plants have been audited by the ISCC (International Sustainability and Carbon Certification) organization to verify the implementation and use of environmentally, socially and economically sustainable production and materials.

** PrentaLux products will convert to printing our 3D parts with over 55% 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.*



CARBON NEUTRAL

PrentaLux products are produced in a carbon neutral manufacturing facility where over 99% of generated waste is diverted from landfills



Material Transparency



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The ILFI (International Living Future Institute) has created a program where manufacturers can disclose the components or “ingredients” of a product. This disclosure has a rating system that shows transparency in the materials chosen in developing products, and whether there are any chemicals of concern, to help meet the requirements of leading green building standards that support human and environmental health.

- LBC Red List Approved**
 - Disclosed a minimum of 99% of ingredients present in final product.
 - Suitable as a compliance pathway for LEED v4.1 Material Ingredients credit Option 1 Material Ingredient Reporting
 - Suitable as a compliance pathway for WELL v2 Feature X07 Materials Transparency Parts 1 and 2

To see the full listing of Cooper Lighting products that participate in Declare, click [here](#).

Declare.

PrentaLux - 200 Series 3D Printed Decorative Pendants
Cooper Lighting Solutions

Final Assembly: Littlestown, Pennsylvania, USA
Life Expectancy: 10 Year(s)
End of Life Options: Recyclable (90%), Landfill (10%)

Ingredients:

Carbonic acid, polymer with 4,4'-(1-methylethylene)bis(phenol); DIMETHYLALUMINUM I-PROPOXIDE; Steel Small Electrical Component Exception¹; Steel manufacture; chemicals: 2-Propenoic acid; 2-methyl-2-propenoate; ACRYLIC PLASTIC, MODIFIED; Acrylonitrile-Butadiene-Styrene Copolymer; Cobalt (II) oxide; Poly(imino(1,6-dioxo-1,6-hexanedyl)imino-1,6-hexanedyl); Polyacrylic acid; Zinc

¹LBC Temp Exception RL-002 - Small Electrical Components

Living Building Challenge Criteria: Compliant

I-13 Red List:
 LBC Red List Free % Disclosed: 100% at 100ppm
 LBC Red List Approved VOC Content: Not Applicable
 Declared

I-10 Interior Performance: Not Applicable
 I-14 Responsible Sourcing: Not Applicable

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MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
 INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare