

Project		Catalog #		Type	
Prepared by		Notes		Date	



Interactive Menu

- Order Information [page 2](#)
- Product Specifications & Colors [page 3](#)
- Textures [page 4](#)
- Mounting [page 4](#)
- Lumen Maintenance & Photometric Data [page 5](#)
- Lumen/Wattage/LPW & UGR Data [page 5](#)

PrentaLux

215

Integral LED Light Engine
Decorative

Typical Applications

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

Certifications



Filament only.
See page 6



LIVING
BUILDING
CHALLENGE

Features



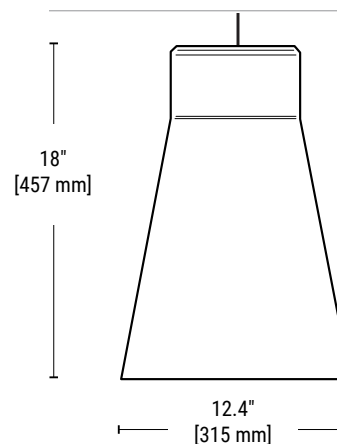
Awards



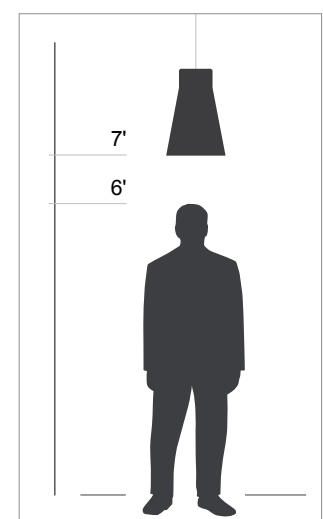
Top Product Features

- The PrentaLux 200 series of performance decorative fixtures utilize Cooper Lighting's proprietary 3D printing technology process.
- Integral LED light engine with 8 Light Levels ranging from nominal 880 to 6000+ lumens.
- Designed to promote a sustainable future.
- 3 outer shade texture options, and 3 distinct inner shade texture options.
- 9 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
- 5-year limited warranty

Dimensions



Scale



Order Information

SAMPLE CATALOG NUMBER: **PRLX-215-935-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	215	927 = 90 CRI, 2700K 930 = 90 CRI, 3000K 935 = 90 CRI, 3500K 940 = 90 CRI, 4000K	LL1 = 963 lms (at 3500K, 90CRI), 10W LL2 = 1372 lms (at 3500K, 90CRI), 13W LL3 = 1868 lms (at 3500K, 90CRI), 18W LL4 = 2438 lms (at 3500K, 90CRI), 24W LL5 = 3406 lms (at 3500K, 90CRI), 34W LL6 = 3879 lms (at 3500K, 90CRI), 40W LL7³ = 5012 lms (at 3500K, 90CRI), 56W LL8³ = 5808 lms (at 3500K, 90CRI), 73W	C = Standard (84 deg), Clear Lens F^{1,2} = 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	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 SLVR = Silver 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 = Smooth 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 880 to 6000+ 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

- 9 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.

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 25ft possible. (Consult factory as longer lead times apply).

Weight

- All products are lightweight and much easier to install than traditional pendants.
- 215 fixture weighs approximately 7.8lbs

Warranty

- Standard 5-year limited warranty on all parts.

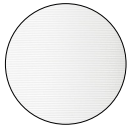
Compliance

- Components are UL recognized and luminaires are cULus listed for 25°C 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 75% mass balanced bio-circular materials.
- 54% of the 215 lighting fixture, is made of 3D-printed material.
- ISCC certified. Certification applies only to 3D-printed material.
- Declare Compliant
- LBC Red List Approved

Standard Opaque Outer Shade Colors



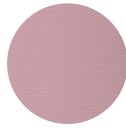
WHITE - White



BLAK - Black



GRAY - Gray



ROSE - Rose



CAPP - Cappuccino



SAGE - Sage



BRNZ - Bronze

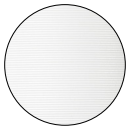


BRSS - Brass



SLVR - Silver

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.



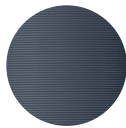
ENGR - Enamel Green



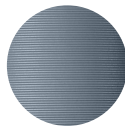
MEGR - Metallic Green



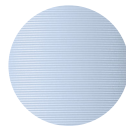
MCHA - Matcha



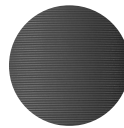
STBL - Steel Blue



MEBL - Metallic Blue



MYBL - Misty Blue



DKGY - Dark Gray



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

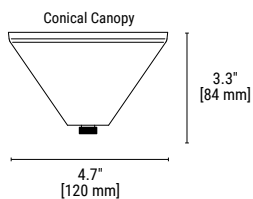
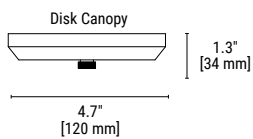


BR - Baffle



FL - Floral

Mounting - Canopy Options



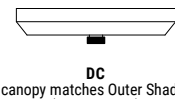
Canopy Colors



DW
Disk - White



DB
Disk - Black



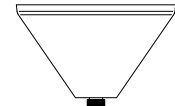
DC
Disk canopy matches Outer Shade color
(Opaque Only)



CW
Conical - White

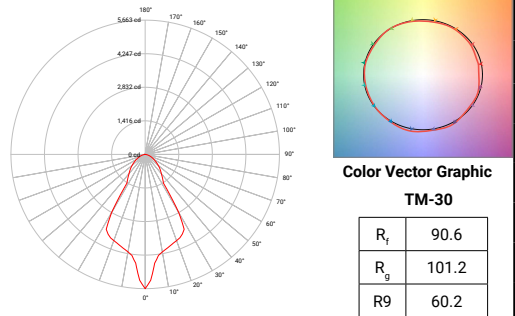


CB
Conical - Black



CC
Conical canopy matches Outer Shade color
(Opaque Only)

Photometric Data

PRENTALUX - 215 - @ 3500K / 90 CRI WITH CLEAR LENS									
	Light Level 1	Light Level 8	 Color Vector Graphic TM-30 <table><tr><td>R_f</td><td>90.6</td></tr><tr><td>R_g</td><td>101.2</td></tr><tr><td>R9</td><td>60.2</td></tr></table>	R _f	90.6	R _g	101.2	R9	60.2
R _f	90.6								
R _g	101.2								
R9	60.2								
Filename	215-90-40K-LL1-UNV-STD-X-X-WHHR-SR-X.ies	215-90-40K-LL8-UNV-STD-X-X-WHHR-SR-X.ies							
Test No.	P600700	P600721							
Lumcat	215-90-35K-LL1-UNV-STD-X-X-WHHR-SR-X	215-90-35K-LL8-UNV-STD-X-X-WHHR-SR-X							
Lumens	963.0 Lm	5807.6 Lm							
Input Watts	9.5 W	72.2 W							
Efficacy	101.4 Lm/W	80.4 Lm/W							
CCT	3500K	3500K							
SC (0/90/45)	0.9 / 0.9 / 0.85	0.9 / 0.9 / 0.85							

Lumen/Wattage/LPW Table

LUMEN Table per CRI, CCT, and Light Level			215' (inner diam nominal 12", inner textures)			WATTS	EFFICACY (Lm/W)
			Smooth	Floral	Baffle		
CRI	CCT	LL	SR	FL	BR		
90	2700	LL1	879	879	879	10	96
		LL2	1252	1252	1252	13	105
		LL3	1706	1706	1706	18	103
		LL4	2226	2226	2226	24	101
		LL5	3110	3110	3110	34	99
		LL6	3542	3542	3542	40	96
		LL7	4576	4576	4576	56	89
		LL8	5303	5303	5303	73	79
	3000	LL1	932	932	932	10	101
		LL2	1328	1328	1328	13	111
		LL3	1809	1809	1809	18	109
		LL4	2359	2359	2359	24	107
		LL5	3297	3297	3297	34	105
		LL6	3755	3755	3755	40	102
		LL7	4851	4851	4851	56	94
		LL8	5621	5621	5621	73	84
	3500	LL1	963	963	963	10	105
		LL2	1372	1372	1372	13	115
		LL3	1868	1868	1868	18	113
		LL4	2438	2438	2438	24	110
		LL5	3406	3406	3406	34	109
		LL6	3879	3879	3879	40	105
		LL7	5012	5012	5012	56	97
		LL8	5808	5808	5808	73	86
	4000	LL1	999	999	999	10	109
		LL2	1423	1423	1423	13	119
		LL3	1938	1938	1938	18	117
		LL4	2528	2528	2528	24	114
		LL5	3533	3533	3533	34	113
		LL6	4024	4024	4024	40	109
		LL7	5198	5198	5198	56	101
		LL8	6023	6023	6023	73	90

UGR Data Table

Light Level @ 3500K [215] Smooth Reflector		CCT	UGR [CIE 190:2010] ⁽¹⁾ (4H, 8H; Reflectance: 70%Ceiling, 50% Wall, 20% Ref. Plane	MAX LUMINANCE [45-90 DEG FROM NADIR] (2) (CD/M^2)
			90 CRI	90 CRI
			215	215
LL1	963	3500K	17.2	2438
LL2	1372	3500K	18.5	3473
LL3	1868	3500K	19.6	4731
LL4	2438	3500K	20.5	6171
LL5	3406	3500K	21.6	8625
LL6	3879	3500K	22.1	9823
LL7	5012	3500K	23.0	12689
LL8	5808	3500K	23.5	14703

Lumen Maintenance

Ambient Temperature
25°C
Lumen Maintenance: TM-21-11 (60,000 Hours)
>80%
Theoretical L70 (Hrs)
>=66,000

NOTES

1. Frosted lens will decrease delivered lumen output.
Contact factory for details