

Project		Catalog #		Type	
Prepared by		Notes		Date	



PrentaLux

Decorative Industrial High Bay

High output 12,000 - 36,000 Lumens
Performance Based
Decorative Industrial Pendant

Typical Applications
Commercial • National Accounts • Convention Centers • Airports • Lobbies
• Grocery • High Bay/Low Bay applications • Warehouse

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Top Product Features

- PrentaLux High Bay with 3D printed shade in various color offerings including transparent.
- Selectable CCT for 4000 Kelvin or 5000 Kelvin.
- Selectable nominal lumens:
 - Small: 12,000; 15,000; or 18,000 lumens
 - Large: 24,000; 31,000; or 36,000 lumens
- 13" or 15" integral LED light engine with die cast aluminum housing
- 120 - 347 voltage range
- 0-10V dimming control down to 10%
- Small = 9 lbs, Large = 13 lbs

Certifications



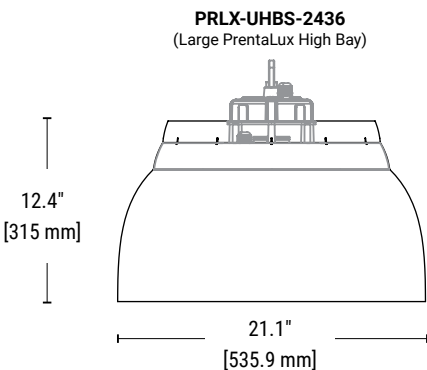
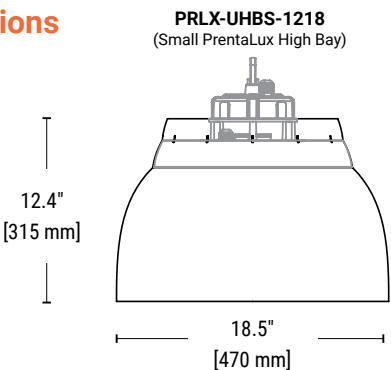
Features



Awards



Dimensions



Order Information

SAMPLE ORDER NUMBER: **PRLX-UHBS-1218-MV-L84050-BLK-BRNZ**

Brand	Series	Size	Voltage	CCT	Driver Type
PRLX	UHBS	1218 = Small 2436 = Large	MV = 120V to 347V	L84050 = 4000K or 5000K field selectable @ 80 CRI	Blank = 0-10V Driver
Notes	Notes	Notes	Notes	Notes	Notes

Continue here to make
complete selections

Fixture Finish - Shade Color	Mounting Type
Standard Opaque Shade Colors (Black Fixture) BLK-WHITE = White BLK-BLAK = Black BLK-GRAY = Gray BLK-ROSE = Rose BLK-CAPP = Cappuccino BLK-SAGE = Sage BLK-BRNZ = Bronze BLK-BRSS = Brass Standard Translucent Colors (White Fixture)¹ U-TRWH = Translucent White U-DIFF = Diffuse U-CLER = Clear U-SMGY = Smokey Gray XXXX ² = On-Demand Colors	[Blank] = 1/2" Threaded Hub
Notes 1. Black fixture not recommended for translucent shades. Consult factory for special fixture/shade combinations. 2. Additional shade colors available with possible extended lead times and additional costs. Consult factory. See page 3 for additional shade color options.	Notes

Accessories (Order Separately)
EBP-RM40R⁽¹⁾ = 40W Emergency Driver, Remote Mount 120-347V White w/ remote included UHBS-SENSOR PK⁽¹⁾ = PIR Sensor 360 Lens 60 FT MH Kit UHBS-SENSOR REMOTE = HB Sensor Remote Control UHBS-ADAPHUB⁽²⁾ = HB Adapter HUB -3/4NPS UHBS-SC7⁽³⁾ = HB Safety Cable 7FT long with Clip UHBS-WG13⁽⁴⁾ = UHBS 13 dia. Wire Guard UHBS-WG15⁽⁴⁾ = UHBS 15 dia. Wire Guard
Notes 1. To meet state and local codes, EBP cannot be used with HB with sensor or with HB sensor accessory. 2. Rigid mount not for use in gymnasiums. 3. The Safety Cable accessory shall be utilized only as a secondary safety and not the primary means of mounting. 4. Installs directly to fixture only.

Accessories



PRLX-UHBS-SENSOR PK⁽¹⁾
Plug in sensor



PRLX-EBP-RM40R⁽¹⁾
Field installed Remote EM



PRLX-UHBS - ADAPHUB⁽²⁾
3/4 NPS Hub adapter



WG⁽⁴⁾
Wireguard

Product Specifications

Construction

- The PrentaLux high bay is a high performance integral LED light engine with a 3D printed shade.
- Light engine is a die cast aluminum housing and heat sink.
- Optical Lens on light engine seals LED for IP65.
- The 3D printed shade is made from sustainable polycarbonate.
- Thermally, mechanically, and optically optimized for professional/commercial installations.
- Designed, engineered, and printed in the United States.

Mounting

- Mounting hook included
- Designed for suspension mounting with 1/2" threaded hub
- Available with optional ADAPTHUB accessory for 3/4" NPS threaded stem
- Weight: Small = 8.9 lbs, Large = 12.1 lbs

Optics

- Reference photometry on page 5.

Finish

- Shade available in 8 standard opaque colors and 4 standard translucent colors. Additional shade colors available with possible additional cost and lead times. Please consult factory
- Most finishes are available for review on [Material Bank](#) under Cooper Lighting Solutions PrentaLux brand.

Electrical

- Long-life LED system with electrical driver for optimal performance
- Field selectable CCTs - select between 4000K and 5000K, both at 80 CRI.
- Field selectable nominal lumens - select between:
 - Small Fixture: 12,000; 15,000; or 18,000 lumens
 - Large Fixture: 24,000; 31,000; or 36,000 lumens
- Available for 120-277V, and 347V applications
- 0-10V, 10% dimming standard
- 72" power and dimming cord provided as standard for easier installation
- Integral 4K surge protector

Shielding

- 3D printed shade provides cut off.

Compliance

- Components are UL recognized and luminaires are cULus listed for 25°C ambient environments. Dry Location Listed.
- Filament material is UL certified.
- Filament is ISCC Certified.
- RoHS compliant
- 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.

Warranty

- Five year warranty

Standard Opaque Shade Colors



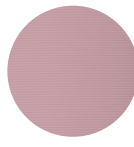
WHITE - White



BLAK - Black



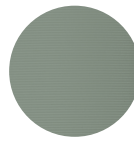
GRAY - Gray



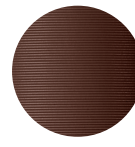
ROSE - Rose



CAPP - Cappuccino



SAGE - Sage



BRNZ - Bronze



BRSS - Brass

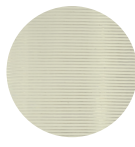
Standard Translucent Shade Colors



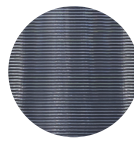
CLER - Clear



DIFF - Diffuse



TRWH - Translucent White



SMGY - Smokey Gray

Additional Shade Colors

These special color options may have extended lead times and/or additional costs. Please consult factory.



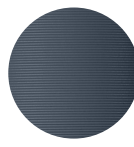
ENGR - Enamel Green



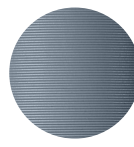
MEGR - Metallic Green



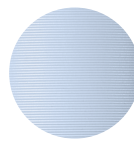
MCHA - Matcha



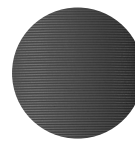
STBL - Steel Blue



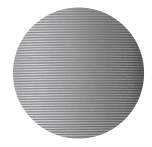
MEBL - Metallic Blue



MYBL - Misty Blue



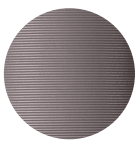
DKGY - Dark Gray



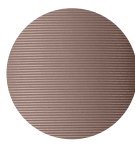
SLVR - Silver



STBR - Stone Brown



MEPU - Metallic Purple



RGLD - Rose Gold



CITR - Citrona



CRWH - Cream White



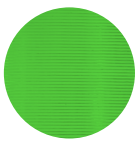
BURG - Burgandy

Additional Translucent Shade Colors

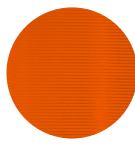
These special color options may have extended lead times and/or additional costs. Please consult factory.



TRBL - Translucent Blue



TRGR - Translucent Green



TROR - Translucent Orange



TRYE - Translucent Yellow



TRRE - Translucent Red

Energy and Performance Data

Default CCT/Lumen Setting: 4000K / High Power

Catalog#	Voltage	Lumen Setting	Nominal CCT	CRI	120V			277V			347V		
					Nominal Lumens	Watts	Efficacy (lm/W)	Nominal Lumens	Watts	Efficacy (lm/W)	Nominal Lumens	Watts	Efficacy (lm/W)
PRLX-UHBS-1218-L84050-MV-TRWH	120-347V	Low	4000K	80	12448.4	80.3	155.0	12289.2	79.6	154.4	12222.8	79.6	153.6
			5000K	80	12633.6	80	157.9	12472.0	79.3	157.3	12404.6	79.3	156.4
		Medium	4000K	80	14726.7	98.5	149.5	14530.0	95.7	151.8	14469.8	95.5	151.5
			5000K	80	15013.1	98.7	152.1	14812.5	95.9	154.5	14751.2	95.7	154.1
		High	4000K	80	17078.6	117.8	145.0	17277.8	119.7	144.3	17261.9	119.7	144.2
			5000K	80	17351.6	118.4	146.6	17554.0	120.3	145.9	17537.9	120.3	145.8
PRLX-UHBS-2436-L84050-MV-TRWH	120-347V	Low	4000K	80	23553	147.2	160.0	23496	144.3	162.8	23355	143.9	162.3
			5000K	80	23584	145.8	161.8	23460	142.5	164.6	23422	142.6	164.3
		Medium	4000K	80	29592	195.1	151.7	29801	189.2	157.5	29537	187.3	157.7
			5000K	80	29728	193.9	153.3	29872	187.9	159.0	29584	187.6	157.7
		High	4000K	80	34658	239.9	144.5	33968	230.9	147.1	33875	230.4	147.0
			5000K	80	34797	238.5	145.9	34137	229.9	148.5	33881	228.8	148.1

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (hours)
25°C	> 91%	> 218,000

Ambient Ratings

Lumen Package	Ambient Rating
PRLX-HB-2436	50C

Operating Temp.	-40 to 50C
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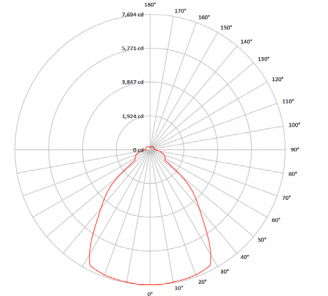
Energy Data

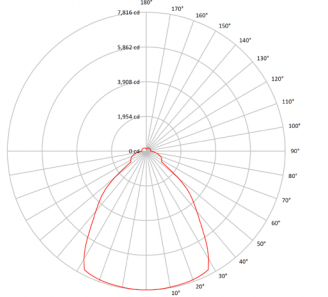
Input Watts:
PRLX-UHBS-1218 = 80/100/120W
PRLX-UHBS-2436 = 145/195/240W

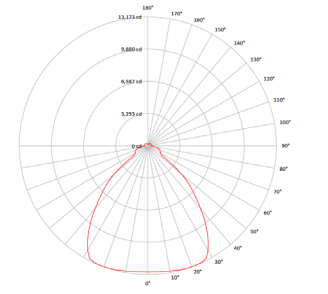
Shipping Data

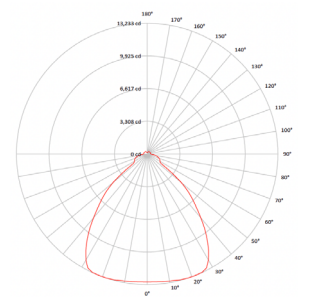
Catalog No.	Wt.
PRLX-UHBS-1218	9 lbs
PRLX-UHBS-2436	13 lbs

Photometric Data

PRENTALUX - UHBS - 1218 @ 4000K / 80 CRI				
	Light Level Low	Light Level Medium	Light Level High	
Filename	PRLX-HB-S-8-4050-L1218-MV-TRWH_12448lms.ies	PRLX-HB-S-8-4050-L1218-MV-TRWH_14727lms.ies	PRLX-HB-S-8-4050-L1218-MV-TRWH_17079lms.ies	
Test No.	P701289	P701290	P701291	
Lumcat	PRLX-HB-S-8-4050-L1218-MV-TRWH	PRLX-HB-S-8-4050-L1218-MV-TRWH	PRLX-HB-S-8-4050-L1218-MV-TRWH	
Lumens	12448.4 Lm	14726.7 Lm	17078.6 Lm	
Input Watts	80.3 W	98.5 W	117.8 W	
Efficacy	155 Lm/W	149.5 Lm/W	145.0 Lm/W	
CCT	4000K	4000K	4000K	
SC (0/90/45)	1.26 / 1.26 / 1.19	1.26 / 1.26 / 1.19	1.26 / 1.26 / 1.19	

PRENTALUX - UHBS - 1218 @ 5000K / 80 CRI				
	Light Level Low	Light Level Medium	Light Level High	
Filename	PRLX-HB-S-8-4050-L1218-MV-TRWH_12634lms.ies	PRLX-HB-S-8-4050-L1218-MV-TRWH_15013lms.ies	PRLX-HB-S-8-4050-L1218-MV-TRWH_17352lms.ies	
Test No.	P701304	P701305	P701291	
Lumcat	PRLX-HB-S-8-4050-L1218-MV-TRWH	PRLX-HB-S-8-4050-L1218-MV-TRWH	PRLX-HB-S-8-4050-L1218-MV-TRWH	
Lumens	12633.6 Lm	15013.1 Lm	17351.6 Lm	
Input Watts	80 W	98.7 W	118.4 W	
Efficacy	157.9 Lm/W	152.1 Lm/W	146.6 Lm/W	
CCT	5000K	5000K	5000K	
SC (0/90/45)	1.26 / 1.26 / 1.19	1.26 / 1.26 / 1.19	1.26 / 1.26 / 1.19	

PRENTALUX - UHBS - 2436 @ 4000K / 80 CRI				
	Light Level Low	Light Level Medium	Light Level High	
Filename	PRLX-UHBS-2436-MV-L84050-TR-WH(4000K_L24_120V).ies	PRLX-UHBS-2436-MV-L84050-TR-WH(4000K_L31_120V).ies	PRLX-UHBS-2436-MV-L84050-TR-WH(4000K_L36_120V).ies	
Test No.	P735781	P735784	P735787	
Lumcat	PRLX-UHBS-2436-MV-L84050-TRWH	PRLX-UHBS-2436-MV-L84050-TRWH	PRLX-UHBS-2436-MV-L84050-TRWH	
Lumens	23552.8 Lm	29592.0 Lm	34658.1 Lm	
Input Watts	147.2 W	195.1 W	117.8 W	
Efficacy	160 Lm/W	151.7 Lm/W	144.5 Lm/W	
CCT	4000K	4000K	4000K	
SC (0/90/45)	1.32 / 1.32 / 1.26	1.32 / 1.32 / 1.26	1.32 / 1.32 / 1.26	

PRENTALUX - UHBS - 2436 @ 5000K / 80 CRI				
	Light Level Low	Light Level Medium	Light Level High	
Filename	PRLX-UHBS-2436-MV-L84050-TR-WH(5000K_L24_120V).ies	PRLX-UHBS-2436-MV-L84050-TR-WH(5000K_L31_120V).ies	PRLX-UHBS-2436-MV-L84050-TR-WH(5000K_L36_120V).ies	
Test No.	P735826	P735829	P735832	
Lumcat	PRLX-UHBS-2436-MV-L84050-TRWH	PRLX-UHBS-2436-MV-L84050-TRWH	PRLX-UHBS-2436-MV-L84050-TRWH	
Lumens	23583.7 Lm	29727.8 Lm	34797.1 Lm	
Input Watts	145.8 W	193.9 W	238.5 W	
Efficacy	161.8 Lm/W	153.3 Lm/W	145.9 Lm/W	
CCT	5000K	5000K	5000K	
SC (0/90/45)	1.32 / 1.32 / 1.26	1.32 / 1.32 / 1.26	1.32 / 1.32 / 1.26	

Circularity

The Circular Economy is “an industrial system that is restorative or regenerative by intention and design.” and relates to the production and consumption through: Reducing, Reusing, and Recycling products. The PrentaLux 3D printed lighting products contribute to the Circular Economy by reducing carbon emissions, reducing components by design and technology of 3D printing, reuse our misprints that reduce carbon dioxide impact, and are recycling waste from food processing and wood pulp industries to be repurposed into the filaments used to 3D print the PrentaLux products.



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.



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



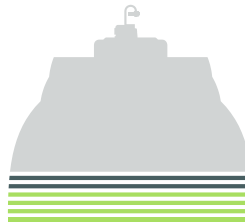
Each of our 3D printing manufacturing plants have been audited by the ISCC (International Sustainability and Carbon Certification) organization to verify the implementation and use of environmentally, socially and economically sustainable production and materials.

** PrentaLux products will convert to printing our 3D parts with over 55% recycled or bio-circular materials (using an ISCC certified mass balance approach) within Q3 2023. 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.*

PrentaLux products have a high percentage of the entire product that is 3D printed as well as having the filament come from bio-circular materials.

Small: PRLX-HB-S

29%
of the Small High Bay fixture is made with 3D Printed material



55%
PrentaLux 3D printed parts are produced with at least 55% mass balanced bio-circular materials



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

Large: PRLX-HB-L

25%
of the Large High Bay fixture is made with 3D Printed material



55%
PrentaLux 3D printed parts are produced with at least 55% mass balanced bio-circular materials