

Project		Catalog #		Type	
Prepared by		Notes		Date	



**PrentaLux**

## Decorative High Bay Gen 2

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

### Typical Applications

Retail • Convention Centers • Grocery • Airports • Lobbies • Commercial •  
National Accounts • High Bay • Mid Bay

### Interactive Menu

- Order Information [page 2](#)
- Product Specification [page 3](#)
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- Lumen Maintenance [page 5](#)



Filament only.  
See page 5

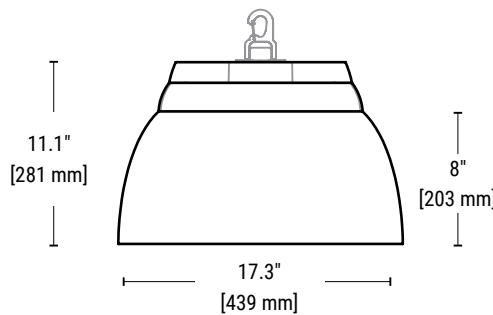


### Top Product Features

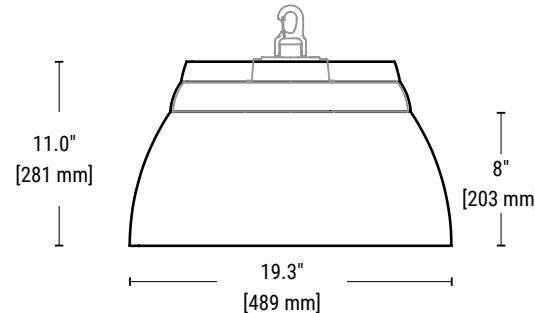
- PrentaLux High Bay with opaque or translucent shades in various color offerings.
- Selectable Lumen/Power performance up to 36,000 lumen.
- 5 Color Selectable CCT - 3000/3500/4000/5000/6500K.
- Field selectable distribution - Narrow, Medium, or Wide.
- Sensor ready port for quick plug and play install.
- 120-347 operating range with 6kV surge protection.
- NEMA 4X, IP65 and NSF rated.
- IP65 rated lens and driver enclosure.
- 10ft power and dimming cords for easy installation.
- [Declare compliant](#)
- LBC Red List approved.

### Dimensions

PRLX-UHBS2-1218  
(Small PrentaLux High Bay)



PRLX-UHBS2-2436  
(Large PrentaLux High Bay)



## Order Information

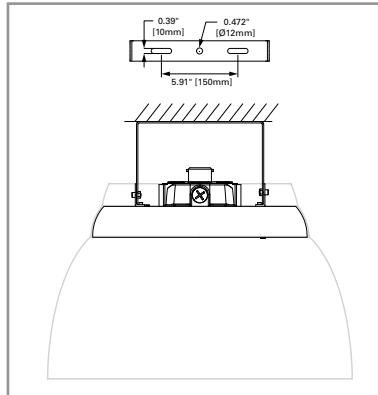
SAMPLE ORDER NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-BLAK-08

Brand	Series	Size/Lumens	Voltage	CCT	Driver Type
PRLX	UHBS2	1218 = Small, Selectable 12,000-18,000 nominal lumens 2436 = Large Selectable 24,000-36,000 nominal lumens	MV = 120V to 347V	L8C5 = 80CRI, 5 Selectable CCT (3000K, 3500K, 4000K, 5000K, 6500K)	U = Standard 0-10V, 10% Dimming
Notes	Notes	Notes	Notes	Notes	Notes

Continue here to make complete selections

Shade Color	Shade Height	Mounting Type	Accessories (Order Separately)
<b>Standard Opaque Outer Shade Colors:</b> WHTE = White BLAK = Black GRAY = Gray ROSE = Rose CAPP = Cappuccino SAGE = Sage BRNZ = Bronze BRSS = Brass SLVR = Silver	08 = 8" Drop Below Fixture	[Blank] = Hook and 3/4" NPS!	<b>EBP-RM40R<sup>1</sup></b> = 40W Emergency Driver, Remote Mount 120-347V White w/ remote included <b>UHBS-SENSOR PK<sup>1</sup></b> = PIR Sensor 360 Lens 60 FT MH Kit <b>UHBS-SENSOR REMOTE</b> = HB Sensor Remote Control <b>UHBS-SC7<sup>2</sup></b> = HB Safety Cable 7FT long with Clip <b>UHBS-WG13<sup>3</sup></b> = UHBS 13 dia. Wire Guard <b>UHBS-WG15<sup>3</sup></b> = UHBS 15 dia. Wire Guard <b>UHBS-SMB</b> = Surface Mount Bracket
<b>Standard Transparent/Translucent Colors</b> TRWH = Translucent White DIFF = Diffuse CLER = Clear SMGY = Smokey Gray XXXX <sup>2</sup> = On-Demand Color		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.		1. 10ft (86") long power and dimming cords provided	1. To meet state and local codes, EBP cannot be used with HB with sensor or with HB sensor accessory. 2. The Safety Cable accessory shall be utilized only as a secondary safety and not the primary means of mounting. 3. Installs directly to fixture only.

## Accessories

UHBS-SENSOR PK<sup>1</sup>  
Plug in sensorEBP-RM40R<sup>1</sup>  
Field installed Remote EMUHBS-SMB  
Surface Mount Bracket

## 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.
- Polycarbonate lens seals LED for IP65 rating
- The 3D printed shade is made from sustainable, UV-stabilized polycarbonate.
- Thermally, mechanically, and optically optimized for professional/commercial installations.
- Designed, engineered, and printed in the United States.

### Mounting

- EasyMount allows for either hook or pipe (stem) installations.
- EasyMount hook can flip up for fast retrofit installs.
- Safety latch included.
- Standard 3/4" NPS thread included for pendant/stem mount.
- 3/4" threaded pipe, hook or ring provided by others.
- Weight: Small = 8.6lbs, Large = 11.4lbs

### Optics

- Reference photometry on page 5.
- Field adjustable distribution provides Narrow, Medium, or Wide distribution
- Default distribution is set at Wide distribution but can easily be changed during installation

### Finish

- Shade available in 9 standard opaque colors and 4 standard translucent colors. Additional on-demand shade colors available with possible additional cost and lead times. Please consult factory.

### Electrical

- Long-life LED system with electronic driver for optimal performance
- Selectable power switch for 3 levels of lumen output per model
- Selectable color switch provides 3000, 3500, 4000, 5000, and 6500K CCT at CRI >82
- Multi-volt 120 through 347V operation
- 0-10V dimming, 10% standard
- 10ft (86") long power and dimming cords provided for easier installation
- Integral 6kV surge protection level per ANSI C82.77-5-2015
- Operating temperature of -40°C to 50°C
- Default CCT/Lumen setting is 4000K and High Power

### Shielding

- 3D printed shade provides cut off from high angle light. Consult factory for alternative cutoff angles.

### Compliance

- cULus listed for wet location.
- NEMA 4X, IP65 rated.
- NSF/ANSI standard 2 - Light fixture for Splash Zone and Non-Food Zone rated luminaire models.
- IESNA LM-79 and LM-80 standards compliant.
- Qualifies as State of California Title 24 non-residential high efficiency luminaire.
- FCC part 15 class A compliant.
- Filament material is UL certified.
- Filament is ISCC Certified.
- Declare Compliant, LBC Red List approved.
- 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.

### Sensor

- Plug and play low-voltage sensor accessory available.
- Sensor installs directly to integral fixture port.
- PIR motion sensor with 0-10V control.
- Wet location and IP65 rated.
- Up to 50ft mounting height.
- Sensor remote control must be ordered separately.
- Shade may affect coverage area

### Emergency Pack Option

- 120-347V universal input remote emergency driver accessory available.
- Field installed EM driver wires directly to fixture.
- 90-minute batteries provide constant power to the LED system.
- Test switch/indicator button can be tested safely from the ground using remote control.
- EM remote control included with accessory.
- Accessory comes with grommets and mounting hardware, see EM driver spec sheet.

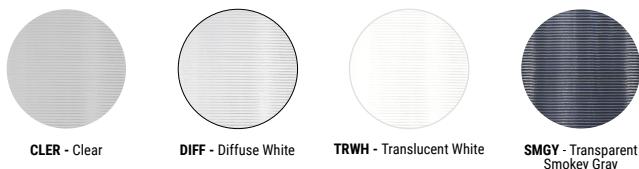
### Warranty

- Five year limited warranty  
[www.cooperlighting.com/legal](http://www.cooperlighting.com/legal)

### Sustainability Specifications

- PrentaLux 3D printed parts are produced with at least 75% recycled or bio-circular materials (using an ISCC certified mass balance approach).
- ISCC certified. Certification applies only to 3D printed material.

## Standard Transparent/Translucent Shade Colors



## Standard Opaque Shade Colors



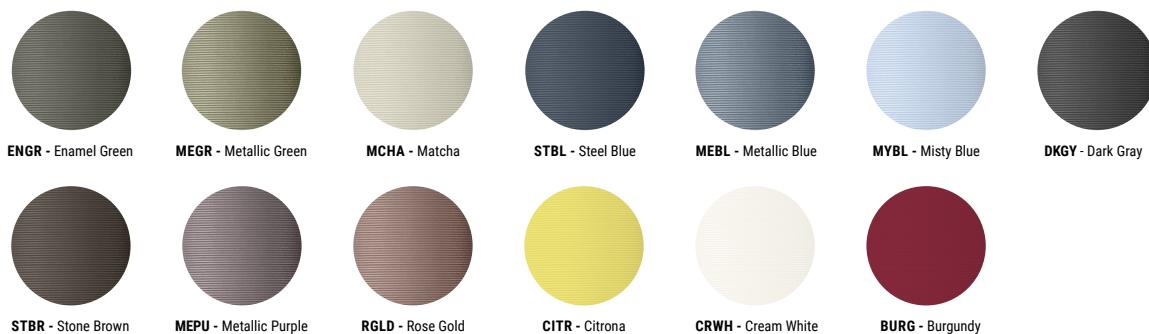
## On-Demand Transparent Shade Colors

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



## On-Demand Opaque Shade Colors

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



## Energy and Performance Data

Default CCT/Lumen Setting: 4000K / High Power

Catalog#	Voltage	Lumen Setting	Nominal CCT	Nominal Lumens			Wattage (120V)	Efficacy (lm/W)		
				Narrow	Medium	Wide		Narrow	Medium	Wide
PRLX-UHBS2-1218-MV-L8C5-U-CLER-08	120-347V	Low	3000K	11838	12396	12930	81.4	145.4	152.3	158.8
			3500K	12183	12757	13307	81.4	149.7	156.7	163.5
			4000K	12447	13033	13595	81.4	152.9	160.1	167
			5000K	12497	13086	13649	81.4	153.5	160.8	167.7
			6500K	12368	12951	13509	81.4	151.9	159.1	166
		Medium	3000K	14225	14896	15538	101.5	140.1	146.8	153.1
			3500K	14640	15330	15990	101.5	144.2	151	157.5
			4000K	14957	15662	16337	101.5	147.4	154.3	161
			5000K	15017	15725	16403	101.5	148	154.9	161.6
			6500K	14863	15564	16234	101.5	146.4	153.3	159.9
		High	3000K	16635	17419	18170	120.8	137.7	144.2	150.4
			3500K	17120	17927	18699	120.8	141.7	148.4	154.8
			4000K	17491	18315	19104	120.8	144.8	151.6	158.1
			5000K	17561	18389	19181	120.8	145.4	152.2	158.8
			6500K	17381	18200	18984	120.8	143.9	150.7	157.2
PRLX-UHBS2-2436-MV-L8C5-U-CLER-08	120-347V	Low	3000K	24267	25344	25867	154.6	157	163.9	167.3
			3500K	24974	26083	26621	154.6	161.5	168.7	172.2
			4000K	25515	26648	27198	154.6	165	172.4	175.9
			5000K	25617	26755	27307	154.6	165.7	173.1	176.6
			6500K	25355	26481	27027	154.6	164	171.3	174.8
		Medium	3000K	29453	30761	31395	193.1	152.5	159.3	162.6
			3500K	30311	31657	32310	193.1	157	163.9	167.3
			4000K	30968	32343	33010	193.1	160.4	167.5	170.9
			5000K	31092	32473	33143	193.1	161	168.2	171.6
			6500K	30773	32140	32803	193.1	159.4	166.4	169.9
		High	3000K	34181	35700	36436	230.2	148.5	155.1	158.3
			3500K	35178	36740	37498	230.2	152.8	159.6	162.9
			4000K	35940	37536	38310	230.2	156.1	163.1	166.4
			5000K	36084	37687	38464	230.2	156.8	163.7	167.1
			6500K	35714	37300	38070	230.2	155.1	162	165.4

## 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
ALL	50C
Operating Temp.	-40 to 50C

## Lumen Adjustment Factors

Shade Color	Distribution	Lumen Multiplier	
		1218	2436
White (WHTE)	Narrow	0.90	0.92
	Medium	0.88	0.87
	Wide	0.90	0.88
Clear (CLER)	Narrow	1.00	1.00
	Medium	1.00	1.00
	Wide	1.00	1.00
Translucent White (TRWH)	Narrow	0.94	0.96
	Medium	0.93	0.95
	Wide	0.93	0.95
Black (BLAK)	Narrow	0.70	0.72
	Medium	0.67	0.70
	Wide	0.64	0.71

## Energy Data

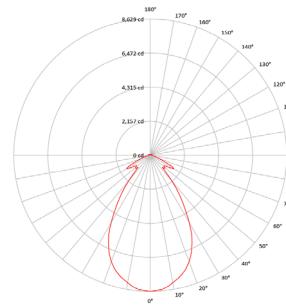
Input Watts:
PRLX-UHBS2-1218 = 80/100/120W
PRLX-UHBS2-2436 = 145/195/240W

## Shipping Data

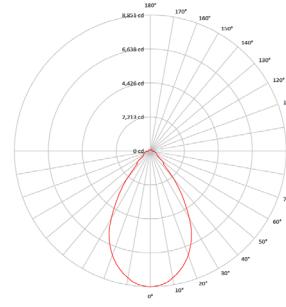
Catalog No.	Wt.
PRLX-UHBS2-1218	9 lbs
PRLX-UHBS2-2436	12 lbs

## Photometric Data

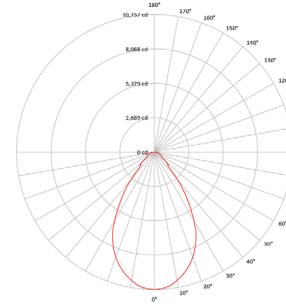
PRENTALUX - UHBS2 - NARROW - CLEAR - 1218 @ 3500K / 80 CRI				
	Light Level Low	Light Level Medium	Light Level High	
<b>Filename</b>	PRLX-UHBS2-1218-MV-L8C5-CLER-08-(3500K_L12_Narrow_120V).ies	PRLX-UHBS2-1218-MV-L8C5-CLER-08-(3500K_L16_Narrow_120V).ies	PRLX-UHBS2-1218-MV-L8C5-CLER-08-(3500K_L18_Narrow_120V).ies	
<b>Test No.</b>	P1221221	P1221224	P1221227	
<b>Lumcat</b>	PRLX-UHBS2-1218-MV-L8C5-CLER-08-(3500K_L12_Narrow_120V)	PRLX-UHBS2-1218-MV-L8C5-CLER-08-(3500K_L16_Narrow_120V)	PRLX-UHBS2-1218-MV-L8C5-CLER-08-(3500K_L18_Narrow_120V)	
<b>Lumens</b>	12182.6	14639.8 Lm	17119.7 Lm	
<b>Input Watts</b>	81.4 W	100.2 W	120.8 W	
<b>Efficacy</b>	149.7 Lm/W	146.1 Lm/W	141.7 Lm/W	
<b>CCT</b>	3500K	3500K	3500K	
<b>SC (0/90/45)</b>	0.99 / 0.99 / 0.95	0.99 / 0.99 / 0.95	0.99 / 0.99 / 0.95	



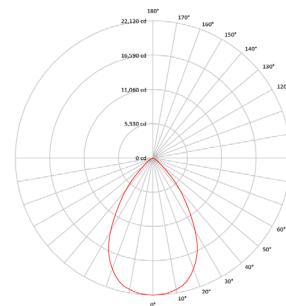
PRENTALUX - UHBS2 - NARROW - TRANSLUCENT WHITE- 1218 @ 3500K / 80 CRI				
	Light Level Low	Light Level Medium	Light Level High	
<b>Filename</b>	PRLX-UHBS2-1218-MV-L8C5-TRWH-08-(3500K_L12_Narrow_120V).ies	PRLX-UHBS2-1218-MV-L8C5-TRWH-08-(3500K_L16_Narrow_120V).ies	PRLX-UHBS2-1218-MV-L8C5-TRWH-08-(3500K_L18_Narrow_120V).ies	
<b>Test No.</b>	P1221266	P1221269	P1221272	
<b>Lumcat</b>	PRLX-UHBS2-1218-MV-L8C5-TRWH-08-(3500K_L12_Narrow_120V)	PRLX-UHBS2-1218-MV-L8C5-TRWH-08-(3500K_L16_Narrow_120V)	PRLX-UHBS2-1218-MV-L8C5-TRWH-08-(3500K_L18_Narrow_120V)	
<b>Lumens</b>	11491.6 Lm	13809.6 Lm	16148.9 Lm	
<b>Input Watts</b>	81.4 W	99.9 W	120.8 W	
<b>Efficacy</b>	141.2 Lm/W	138.2 Lm/W	146.6 Lm/W	
<b>CCT</b>	3500K	3500K	3500K	
<b>SC (0/90/45)</b>	0.98 / 0.98 / 0.96	0.98 / 0.98 / 0.96	0.98 / 0.98 / 0.96	



PRENTALUX - UHBS2 - NARROW - WHITE - 1218 @ 3500K / 80 CRI				
	Light Level Low	Light Level Medium	Light Level High	
<b>Filename</b>	PRLX-UHBS2-1218-MV-L8C5-WHTE-08-(3500K_L12_Narrow_120V).ies	PRLX-UHBS2-1218-MV-L8C5-WHTE-08-(3500K_L16_Narrow_120V).ies	PRLX-UHBS2-1218-MV-L8C5-WHTE-08-(3500K_L18_Narrow_120V).ies	
<b>Test No.</b>	P1221311	P1221314	P1221317	
<b>Lumcat</b>	PRLX-UHBS2-1218-MV-L8C5-WHTE-08-(3500K_L12_Narrow_120V)	PRLX-UHBS2-1218-MV-L8C5-WHTE-08-(3500K_L16_Narrow_120V)	PRLX-UHBS2-1218-MV-L8C5-WHTE-08-(3500K_L18_Narrow_120V)	
<b>Lumens</b>	10911.5 Lm	13112.4 Lm	15333.5 Lm	
<b>Input Watts</b>	81.4 W	100 W	120.8 W	
<b>Efficacy</b>	134.0 Lm/W	131.1 Lm/W	126.9 Lm/W	
<b>CCT</b>	3500K	3500K	3500K	
<b>SC (0/90/45)</b>	0.98 / 0.98 / 0.96	0.98 / 0.98 / 0.96	0.98 / 0.98 / 0.96	



PRENTALUX - UHBS2 - NARROW - BLACK - 1218 @ 3500K / 80 CRI				
	Light Level Low	Light Level Medium	Light Level High	
<b>Filename</b>	PRLX-UHBS2-2436-MV-L8C5-BLAK-08-(3500K_L24_Narrow_120V).ies	PRLX-UHBS2-2436-MV-L8C5-BLAK-08-(3500K_L32_Narrow_120V).ies	PRLX-UHBS2-2436-MV-L8C5-BLAK-08-(3500K_L36_Narrow_120V).ies	
<b>Test No.</b>	P1221356	P1221359	P1221362	
<b>Lumcat</b>	PRLX-UHBS2-2436-MV-L8C5-BLAK-08-(3500K_L24_Narrow_120V)	PRLX-UHBS2-2436-MV-L8C5-BLAK-08-(3500K_L32_Narrow_120V)	PRLX-UHBS2-2436-MV-L8C5-BLAK-08-(3500K_L36_Narrow_120V)	
<b>Lumens</b>	18042.0 Lm	21897.9 Lm	25413.7 Lm	
<b>Input Watts</b>	154.6 W	193.1 W	230.2 W	
<b>Efficacy</b>	116.7 Lm/W	113.4 Lm/W	110.4 Lm/W	
<b>CCT</b>	3500K	3500K	3500K	
<b>SC (0/90/45)</b>	1.02 / 1.02 / 0.98	1.02 / 1.02 / 0.98	1.02 / 1.02 / 0.98	



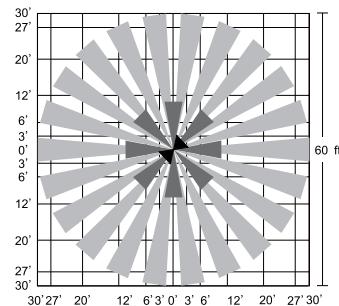
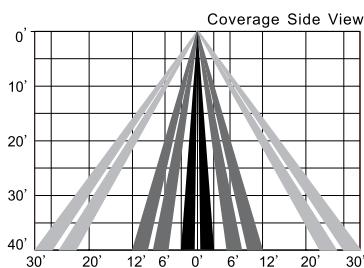
## Sensor Coverage UHBS-Sensor

### Sensor Specifications

Power supply	12V-24V DC, >30mA
Dim control output	0-10V, max. 25mA sinking current
Remote range	50ft. (15m) indoor, no backlight
Dim control output	0-10V
Detection radius	20% / 50% / 75% / 100% (1-8m)
Mounting height	Up to 50ft (15.25 m)
Time setting	10s / 1 min / 5 min / 10 min / 15 min / 20 min / 30 min / 60 min
Light-control	24H / 10 LUX / 30 LUX / 50 LUX
Sensor Operating Temp.	-40°F ~+ 158°F (-40°C ~+ 70°C)
IP rating	IP65

**Notes:** Warm up time 40 sec after sensor first receives input power. Fixture will stay on 40 seconds then work move to default mode.

Any setting changed by sensor remote control (order remote separately), will led lights on remote to turn on and off to confirm. See sensor instruction sheet on UHBS product page found on [www.cooperlighting.com](http://www.cooperlighting.com)



### Sensor Modes

	Brightness	Sensitivity	Hold Time	Daylight Sensor	Stand-by Dim	Stand-by Period
<b>MODE 1 (Default)</b>	100%	75%	5 min	Disabled	30%	30 min
<b>MODE 2</b>	100%	75%	1 min	Disabled	30%	$\infty$
<b>MODE 3</b>	100%	75%	5 min	30LUX	30%	30 min
<b>MODE 4</b>	100%	75%	1 min	(30LUX/300LUX)	30%	$\infty$