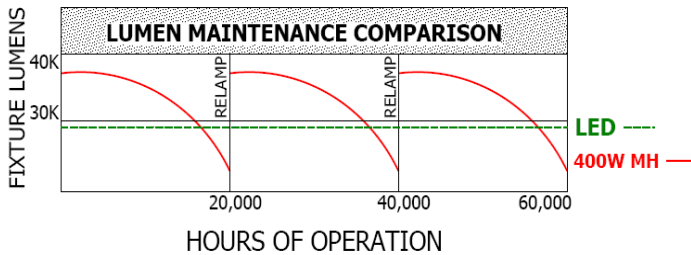
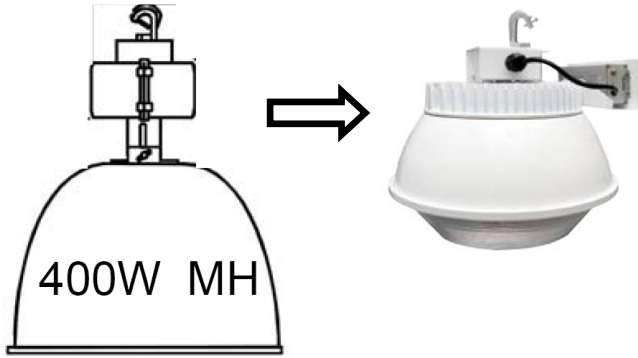
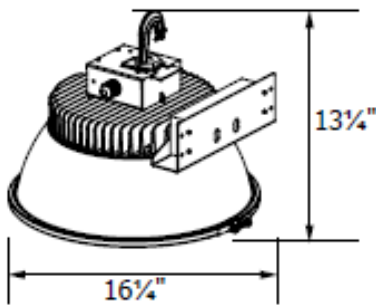


# PowerLux® 16" Low Profile COB LED HighBay



## FIXTURE DIMENSIONS:



## ORDERING INFORMATION:

Model No.	Wattage	CCT	Lens	Input Voltage	Additional Options (factory installed)	Dimmable Motion Sensor
PLEDCHB1613	120W 200W	5K=5000K	CG=Clear Flat Glass CP=Clear Flat Prismatic Glass AC=Acrylic Conical Lens AD=Acrylic Drop Lens PD= Polycarbonate Drop Lens	U=120-277V UH=347/480V	SF=Single Fuse DF=Double Fuse SP=Surge Protector WG= Wire Guard SC= Steel Safety Chain Note: For Plugs and Cords options, see chart below	DMS= Dimmable Motion Sensor DMSP= Dimmable Motion Sensor with Photocell

Part Number Example: PLEDCHB1613/200/5K/CG/U/SP/DMS

Description: PowerLux® 16" Low Profile LED HighBay Luminaire, 200W, 5000 Kelvin, Clear Flat Glass (22,349 Lumens), 120-277V, Surge Protector, Dimmable Motion Sensor

Catalog#		Type
Project		
Note		Date
Prepared by		

## APPLICATIONS

For gymnasiums, large retail stores, sport arenas, factories, warehouses, or for general illumination. Designed to replace HID lighting systems up to 400W MH. Suitable for 10 to 30 foot mounting heights based on light level

## HOUSING FEATURES:

- Die cast aluminum housing with external heat sinks for cooler operating temperatures
- White Powdercoat finish over a chromatic conversion coating
- Mount with included 1" malleable hook. Adjustable junction box also accepts 3/4" conduit

## LENS:

Can be used without lens OR with Tempered Flat Clear Glass, Tempered Prismatic Glass, Polycarbonate Drop Lens, Acrylic Drop Lens, Acrylic Conical Lens

## LED ARRAY FEATURES:

- CRI: 80
- CCT: 5000K
- **Delivered lumens:**  
No LENS: **120W**=15,184; **200W**=25,306  
Clear Glass: **120W**=13,809; **200W**=22,349  
Acrylic Conical LENS: **120W**=13,136; **200W**=21,893  
Acrylic Drop LENS: **120W**=11,689; **200W**=19,482
- 5-Year warranty

## SYSTEM WATTAGE:

- 120W (250W HID equivalent)
- 200W (400WHID equivalent)

## LED DRIVER:

- Instant ON and instant re-strike with back-to-full brightness
- Voltage Input: 120-277V, 50/60Hz **OR** 347/480V, 50/60Hz

## BI-LEVEL DIMMABLE MOTION SENSOR:

- Optional. Can be easily added to the fixture

## Listing & Rating

- CSA: Listed for dry locations. IP54 with lenses; IP44 Open
- Operating temperatures: -40°C to +50°C
- DLC pending
- Calculated L70 @25°C=78,000 Hours

## Assembled in the USA

PowerLux® Corporation

**U.S. Manufacturer of Sustainable Energy Efficient Lighting Products**

1260 Liberty Way, Suite E Vista, CA 92081 Phone: 760-727-2360 Fax: 760-434-4766

Website: [www.powerlux.com](http://www.powerlux.com) E-mail: [klpowerlux@gmail.com](mailto:klpowerlux@gmail.com)

**PowerLux® Products Have Stood the Test of Time!**

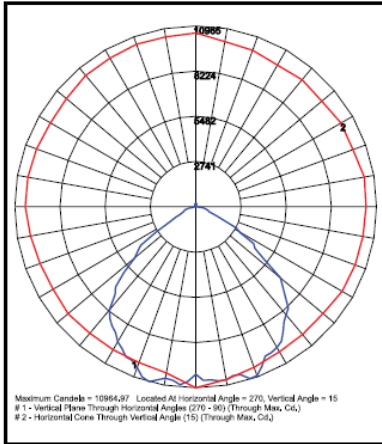
Based on prevailing model. Efficiency of the LED driver and efficacy of LED modules are ever improving. Please contact PowerLux® for latest updated information.

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Patents pending  
Specifications subject to change without prior notice  
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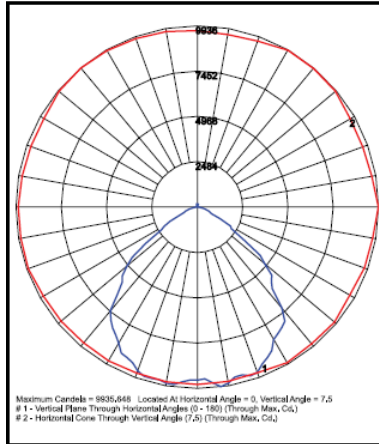
# PowerLux® 16" Low Profile COB LED HighBay

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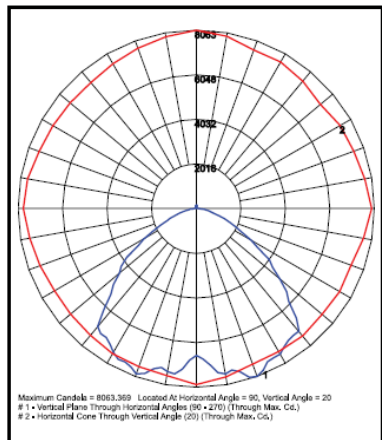
## PHOTOMETRICS:



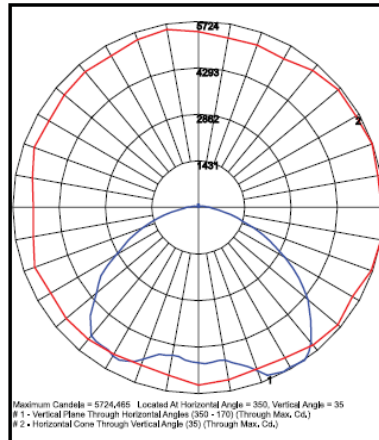
**200W with No Lens and  
5000K CCT**



**200W with Clear Flat Glass  
Lens and 5000K CCT**

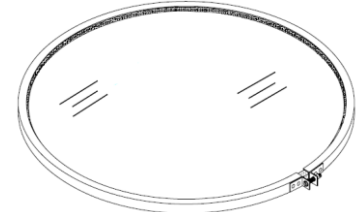


**200W with Acrylic Conical Lens  
and 5000K CCT**



**200W with Acrylic Drop Lens  
and 5000K CCT**

## Accessories



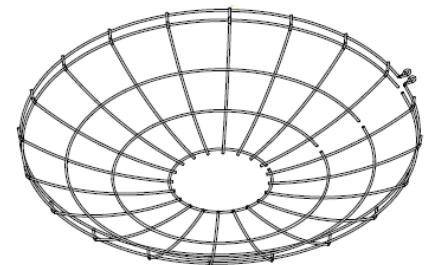
CG= Clear Flat Glass  
CP=Clear Flat Prismatic Glass  
(both with gasket)



AC=Acrylic Conical Lens



PD=Polycarbonate Drop Lens  
AD=Acrylic Drop Lens



WG=Wire Guard  
(For use with Flat Glass Lenses)



CB=Clamp Band  
(Used with Conical or Drop Lenses)

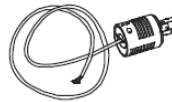
## Plugs and Cords:



C6=6ft. white cord,  
300VAC,  
3 wire, Leads



L5=6ft. white cord,  
3 wire  
L5-15P Twist-Lock Plug



L7=6ft. white cord,  
3 wire  
L7-15P Twist-Lock Plug



C66=6ft. black cord,  
type STW, 600VAC, 3  
wire, leads

## PowerLux® Corporation

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**PowerLux® 16" Low Profile  
COB LED HighBay**

**Bi-Level Dimmable  
Motion Sensor**

Catalog#		Type
Project		
Note		Date
Prepared by		



**Bi-Level Dimmable Motion Sensor Features:**

- Use for Controlling PowerLux HighBays in commercial, warehouse, retail, schools, and industrial applications
- Detection Range: 360°, Up to 48 Feet
- Time Delay: 5s, 30s, 90s, 3min, 20min, & 30min
- Detection Motion Speed: 2 to 10 Feet per second
- Installation Height: 10' to 48'
- Detection Zone: 52 feet diameter x 48 Feet High
- Daylight Sensor: 3 light level settings for daylight harvesting
- Vacant to Dim Settings: 10%, 20%, 30%, 50%
- Vacant Stand-by Delay: 5s, 5min, 10min, 30min, & 60min

- Ambient Temp: -35°C to 70°C
- Relative Humidity: <93%
- Power Consumption: 1.5w (Static 0.8w)
- Load Rating:  
400w (120VAC), 800w (277VAC) - Inductive Load  
800w (120VAC), 1200w (277VAC) - Resistive Load
- Housing: IP65
- Cord: 30" 5-Wire white cord with Liquid-Tight connector at sensor housing

**Program Settings:**

- Detection Area (50%, 100%)
- Hold Time (Vacant Off Delay)
- Standby Period (Time for Low Level Before Off After Vacant Delay)
- Standby Dimming (Level Selection for Low Level Before Off)
- Daylight Sensor (Daylight Harvesting)

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