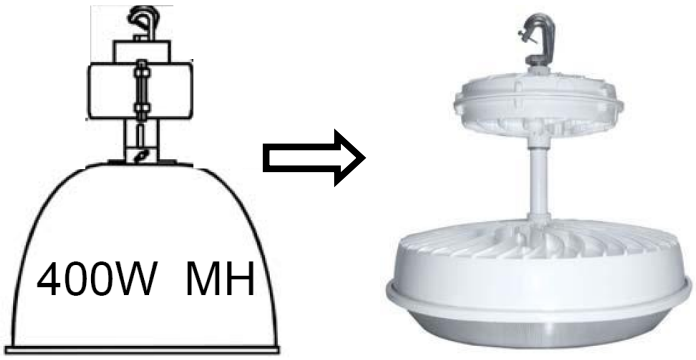
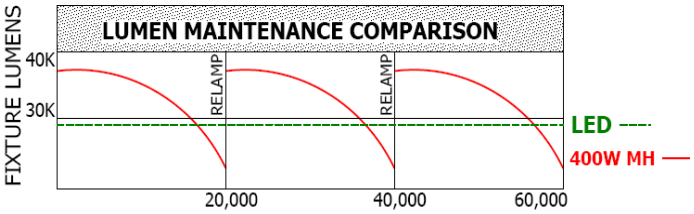
PowerLux® 16” COB LED HighBay

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 up to 400W MH. Suitable for 16 to 30 foot mounting heights based on light level.

HOUSING FEATURES:

- *Die cast aluminum housing with external heat sinks for cooler operating temperatures*
- *Powdercoat finish over a chromatic conversion coating. Includes 4” stem. Max stem length: 30 feet*
- *Mount with included 1” malleable hook*
- *Color: White. Custom colors available upon request*

LENS:

Tempered Flat Clear or Prismatic Glass, Polycarbonate Drop Lens, or Acrylic Conical Lens

LED ARRAY FEATURES:

- *Delivered lumens:*
  Clear Glass: 19,085
- *CRI: 80+*
- *CCT: 4100K*
- *Wide distribution*
- *Rated Life: 50,000 hours*
- *5-Year warranty*

SYSTEM WATTAGE:

- *COB 200W, System 206.9W*

LED DRIVER:

Dimmable Electronic Driver, 120-277V, 50/60Hz
Optional Surge Protector

BI-LEVEL DIMMABLE MOTION SENSOR:

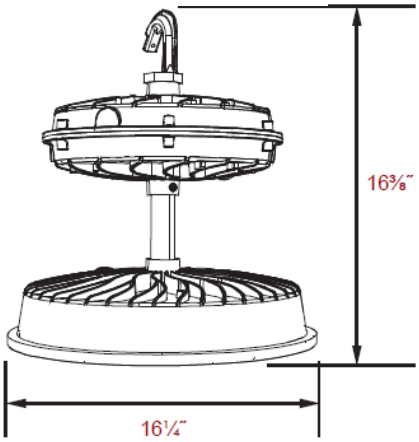
- *Optional. Can be easily added to the fixture*

Listing & Rating

- *CSA: Listed for damp locations (lens gasket required)*
- *IP54*
- *DLC pending*
- *Calculated L70@25°C=88,000 Hours*

Assembled in the USA

FIXTURE DIMENSIONS:



ORDERING INFORMATION:

Model No.	LED Series	Wattage	CCT	Lens	Input Voltage	Additional Options	Dimmable Motion Sensor
PLEDHB1616	COB	200W	4K=4100K	CG=Clear Flat Glass CP=Clear Flat Prismatic Glass AC=Acrylic Conical Lens AD=Acrylic Drop Lens PD= Polycarbonate Drop Lens	U=120-277V	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: PLEDHB1616/COB/200W/4K/CG/U/SP/DMS
Description: PowerLux 16” COB LED HighBay Luminaire. 200W, 4100 Kelvin, Clear Flat Glass Lens (19,085 Lumens), 120-277V with Surge Protector. Dimmable Motion Sensor

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

PowerLux® Products Have Stood the Test of Time!

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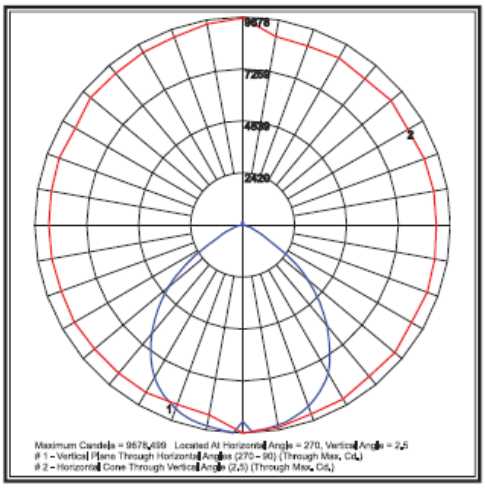
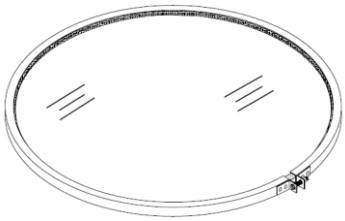
PHOTOMETRICS:



200W with Clear Flat Glass Lens

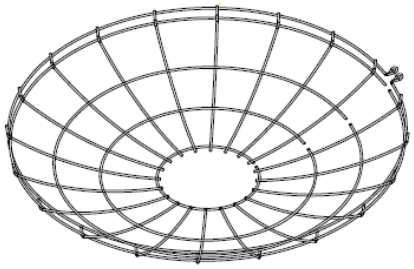
Accessories



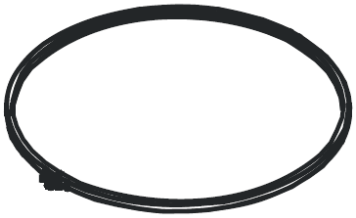
CG= Clear Flat Glass
CP=Clear Flat Prismatic Glass
(both with gasket)

AC=Acrylic Conical Lens

AD=Acrylic Drop Lens
PD=Polycarbonate 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

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Bi-Level Dimmable Motion Sensor

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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