

Project:	
Type:	



The CDM 16" Highbay is available with a choice of four lenses designed to replace HID lighting systems up to 400w MH. Typical high bay lighting applications include warehouses, manufacturing facilities, gymnasiums, indoor sports facilities, and retail and big box store lighting. Suitable for 10 to 30 foot mounting heights based on light level and uniformity requirements.

### Specifications and Features:

#### Housing:

Die Cast Aluminum Housing with External Heat Sinks for Cooler Operating Temperatures. Externally Mounted Driver.

#### Listing & Ratings:

CSA: Listed for Dry Locations, ANSI/UL 1598, 8750; IP65 (with Lenses); IP44 (Open)

#### Finish:

White Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

#### Lens:

Can Be Used Without Lens or with Tempered Clear Flat Glass Lens, Acrylic Drop Lens, Acrylic Conical Lens, UV-Stabilized Polycarbonate Drop Lens

#### Mounting Options:

Mount with Included 3/4" Die Cast Hook. Adjustable Junction Box Also Accepts 3/4" Conduit.

#### COB LED:

Cool Copper COB

#### Wattage:

120w COB: 120w; System: 123w; (250w HID Equivalent)  
200w COB: 200w; System: 197w; (400w HID Equivalent)

#### Driver:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz (120w Model Only); Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

#### Controls:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with LEPC Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

#### Warranty:

5-Year Warranty for -40°C to +50°C Environment.

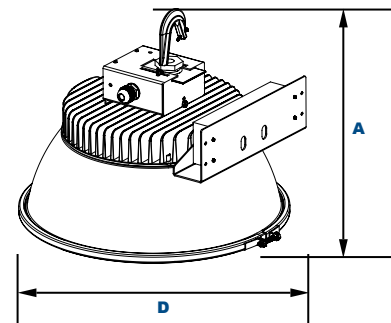
See Page 4 for Projected Lumen Maintenance Table.



Microwave Sensor  
Factory Installed "M3"  
Option (120-277V Only)

#### Dimensions

Diameter (D)	16 1/4" (413mm)
Height (A)	13 1/4" (338mm)



Order Information						
Model	Wattage	Driver	CCT	Lens	Color	Options
CDM= 16" Highbay	12=120w 20=200w	LV=120-277V HV=347-480V*  *120w Model Only	5K=5000K	N=No Lens G=Clear Flat Glass Lens C=Acrylic Conical Lens D=Acrylic Drop Lens B=UV-Stabilized Polycarbonate Drop Lens	W=White C=Custom (Consult Factory)	SF=Single Fuse* DF=Double Fuse* SP=Surge Protection M3= Microwave Sensor for Mounting Heights of 20 Feet or Above* CP6120W=6' White Cord, 3 Wire, L5-15P Twist-Lock Plug CP6277W=6' White Cord, 3 Wire, L7-15P Twist-Lock Plug C6600B=6' Black Cord, STW, 600VAC, 3 Wire, Leads C6600W=6' White Cord, STW, 600VAC, 3 Wire, Leads C4600B=4' Black Cord, SEOW, 600VAC, 3 Wire, Leads  *120-277V Models Only.

### Lens Options:



Shown with Tempered Clear Flat Glass Lens (G)



Shown with Acrylic Drop Lens (D)



Shown with UV-Stabilized Polycarbonate Drop Lens (B)



Shown with Acrylic Conical Lens (C)

### Photometric Performance

LED COB Watts	Drive Current (mA)	Input Watts	Spacing Criteria	5000 CCT 80 CRI		
				Lumens	LPW	
COB LED 120w with No Lens (N)	525	123	1.32	15,184	123	
COB LED 120w with Clear Glass (G)			1.34	13,809	112	
COB LED 120w with Acrylic Conical Lens (C)			1.58	13,136	112	
COB LED 120w with Acrylic Drop Lens (D)			1.70	11,689	95	
COB LED 200w with No Lens (N)		197	197	1.32	25,306	128
COB LED 200w with Clear Glass (G)				1.34	22,349	113
COB LED 200w with Acrylic Conical Lens (C)				1.58	21,893	111
COB LED 200w with Acrylic Drop Lens (D)				1.70	19,482	99

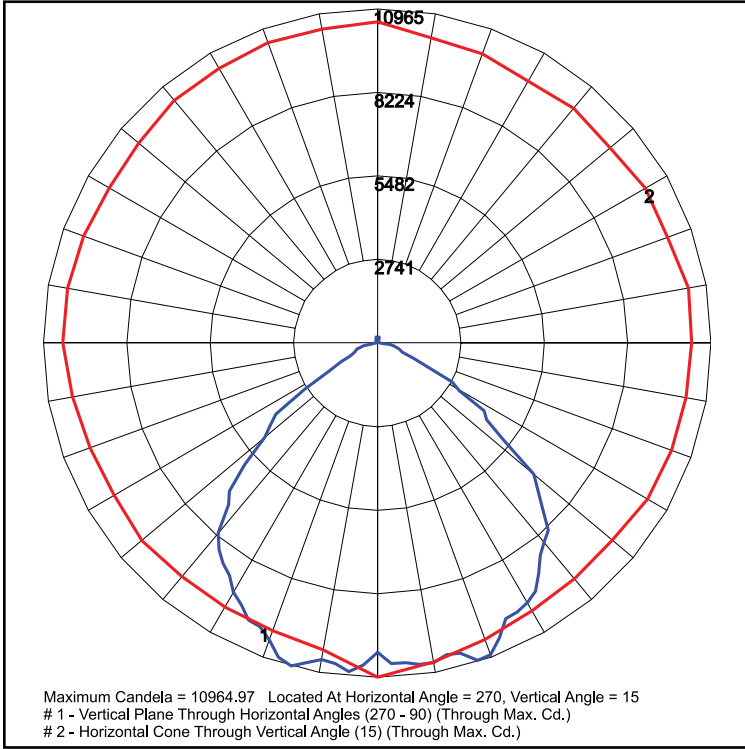
### Projected Lumen Maintenance

Data shown for 5000 CCT	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 197w	1.00	0.90	0.81	0.62	78,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.87	0.73	0.46	56,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.88	0.77	0.53	43,000

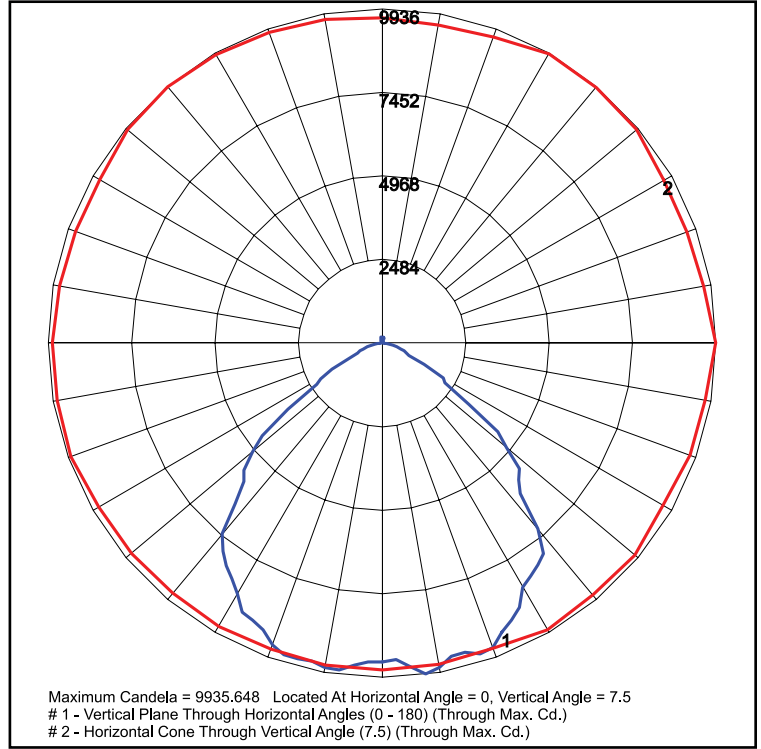
#### NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

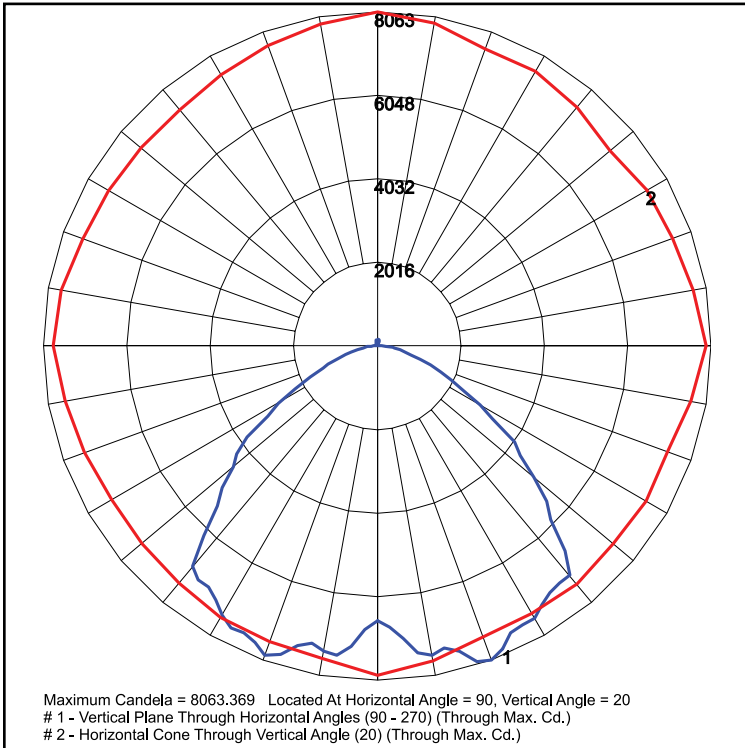
### Photometric Data



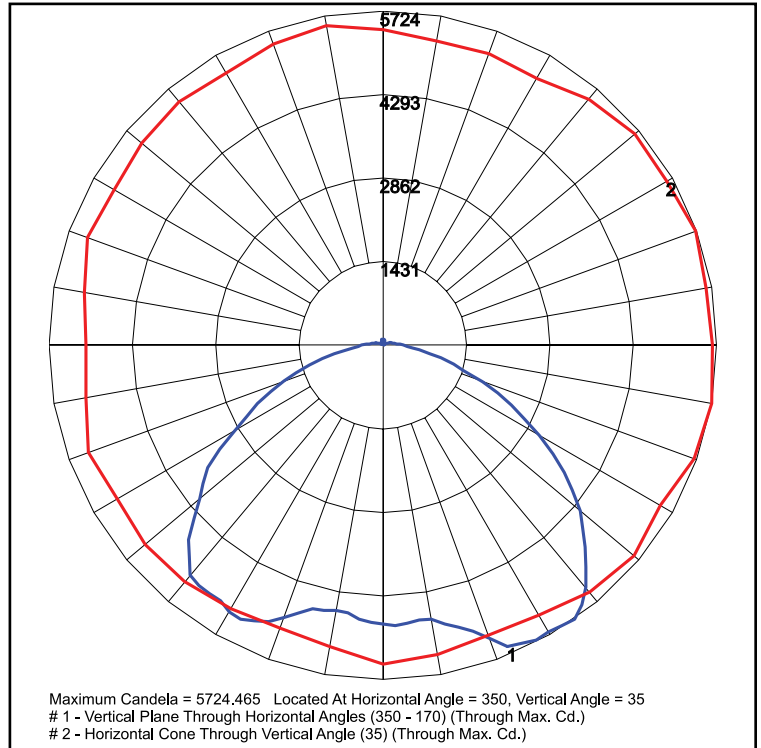
Clear Glass Lens



Clear Glass Lens



Acrylic Conical Lens



Acrylic Drop Lens