



Item#: **90312**  
**LED COMPASS HIGH BAY**  
HIGH-BAY LUMINAIRE FOR COMMERCIAL AND INDUSTRIAL BUILDINGS

**FEATURES**

- Die cast aluminum for better heat dissipation
- Dust proof and anti-corrosive
- Modern design
- High efficiency driver with built-in surge protection
- Includes a 12V DC AUX wire

**APPLICATION**

Ideal for commercial and industrial applications; malls, warehouses, factories, retail stores, athletic facilities, workshops, airports, and large areas.

**ELECTRICAL**

Wattage	100W
Voltage	100-277V
Power Factor	0.9
Total Harmonic Distortion (THD)	71

**LIGHTING PERFORMANCE**

Lumens	16783
Lumens Per Watt (LPW)	168
Color Temperature (CCT)	5000K
Color Rendering (CRI)	73
R9 (Red Value)	-16
Beam Angle	110°
Light Distribution	Type VS
BUG Rating (Backlight, Uplight, and Glare)	B3 - U3 - G1
Dimmable Lighting Control	<i>Dimmable</i> 0-10V, Range 10% - 100%

**ENVIRONMENT**

Operating Temperature	-22°~ 122°F
Suitable Location	<b>WET</b>
Ingress Protection Rating	IP65

**LIFESPAN**

Average Life (Hours)	50,000
Warranty (Years)	<b>5</b>

**COMPONENTS**

LED Light Source	Lumiled 2835
Driver	SS-120CNL

**CONSTRUCTION**

Housing	Aluminum
Lens	Tempered Glass
Base / Power Supply	Hard Wired
Finish	Black

**QUALIFICATIONS**

Model Number	CHB3-100-D-MV-50K-170S
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Visit [www.designlights.org/search](http://www.designlights.org/search) to confirm qualification. - Published lumens on LED products are approximate and may vary slightly. - Specifications are subject to change without notice.

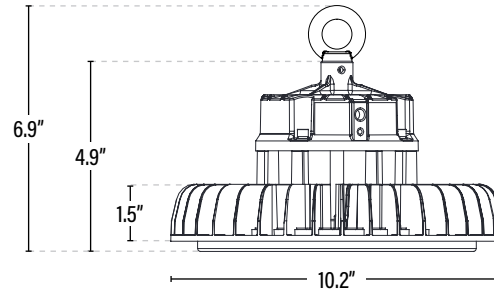
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ITEM INFORMATION

**DIMENSIONS** (Inches)

Width/Diameter (MOD)	10.2"
Height	4.9"
Net Weight (Lbs)	4.9



**SUPPORTING DOCUMENTS** (Grey = not available at this time.)

Product Sheet	VIEW
Install Instructions	VIEW
IES Download from Web Item	VIEW
LM79	VIEW
LM80	VIEW

**PACKAGING**

		UPC	DIMENSIONS (LxWxH)	GROSS WEIGHT (Lbs)
Master Carton	1	811768023855	--	--
Country of Origin	China			
HS Tariff	9405.10.6020			

**ORDERING** Qualification Model # CHB3-100-D-MV-50K-170S

ITEM#	DESCRIPTION	CASE
90312	LED COMPASS HIGH BAY/100W/50K/DIMM/100-277V/BLK - DLC®	1

**ACCESSORIES**

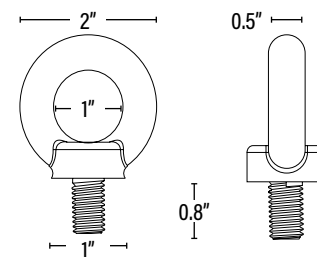
90372	ADJUSTABLE ANGLE MOUNTING BRACKET FOR 100-240W COMPASS HIGH BAY	20
90370	MICROWAVE MOTION SENSOR FOR COMPASS HIGH BAY/1-10V DIMM/100-277V/KIT	10
90360	16IN ALUMINUM REFLECTOR FOR COMPASS HIGH BAY	1
90362	16IN ACRYLIC REFLECTOR FOR COMPASS HIGH BAY	1
90363	16IN ACRYLIC BOTTOM LENS FOR ACRYLIC REFLECTOR FOR COMPASS HIGH BAY	1
90396	78IN WATERPROOF CONNECTOR AND CORD/BLACK 18AWG/300V	50
55695	EMERGENCY PACK FOR LED COMPASS 40W/90 MIN - T20C	4

**REPLACEMENT PARTS**

903814	M12 REPLACEMENT EYELET FOR LED COMPASS HIGH BAYS	1
SS-120CNL	REPLACEMENT DRIVER	1

**ADDITIONAL INFORMATION:**

- Safety cable not included, must be provided by installer.
- Power and dimming cord length approximately 72"
- Multiple screw holes are conveniently placed throughout the top of the fixture to connect occupancy sensors and reflectors.



**M12**  
**Eyelet Dimensions**