

SPECIFICATION SHEET

SUBJECT

LED CHBE High Bay Economy

CUSTOMER PROJECT

Project: _____
 Type: _____
 Cat. No.: _____
 Qty: _____
 Date: _____
 EEL Rep: _____



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DESCRIPTION

The CHBE LED high bay is the affordable LED solution for users who prefer a luminaire with the look and feel of a round form factor. It comes with inherent 4kV standard surge protection, low ambient temperature rated down to -40°C and IP65 rated for elimination of dust, moisture and airborne contaminants. It is ideal for applications including warehouse, manufacturing, automotive manufacturing and cold storage.

SPECIFICATION FEATURES

Construction

- Die-cast high purity aluminum housing
- Polycarbonate(PC) lens
- Excellent thermal transfer to extend component life
- Integrated microwave sensor is optional for energy saving solution
- Ability to be mounted with ring for strong and easy mounting
- 10 ft cable included

Mounting

- Suspension Mount (fixture can be mounted as close as possible to the ceiling surface, except for direct contact)

Finish

- 100W models are available in white & black (5000K)
- 150W models are available in black
- 250W models are available in black
- Fixture Weight:
 100W/150W = 6lbs/2.72kg
 250W = 8.6lbs/3.9kg

Beam Angle

- 120° degrees

Compliance

- cUL
- DLC Premium
- IP65

Warranty

- 5-Year Warranty (standard)
- 10-Year Limited Warranty (optional)



**CHBE
 LED CIRCULAR
 HIGH BAY ECONOMY**

CHB SERIES

Circular High Bay Economy

Wattage(s) 100W, 150W, 250W

Voltage 120-277V & 347*

Dimmable 0-10V (Not applicable with sensor)

CRI >80

Efficacy >140lm/W

Lumen Maintenance L70 = 1,060,400h Lumen maintenance at 36,000 hrs = 99.37%

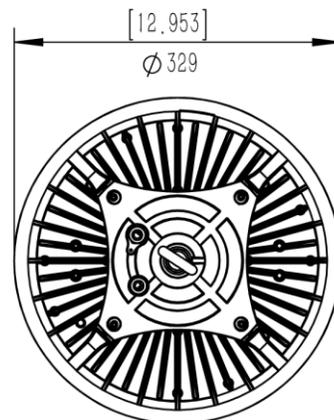
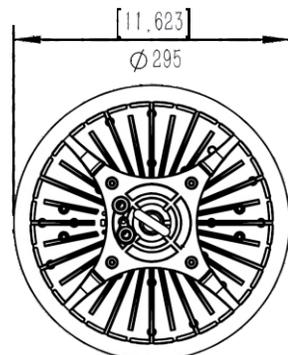
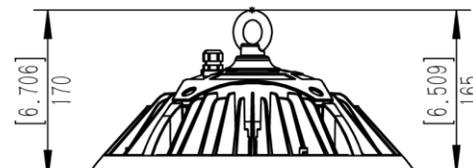
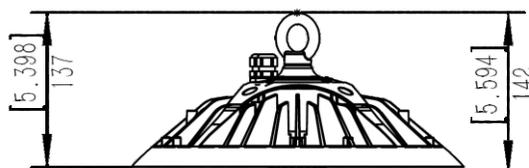
Operating Temperature -40°C to 45°C (Without Sensor)
 -20°C to 45°C (With Sensor)

Inherent Surge Protection 4kV

*For 347V applications, the CHBE must be purchased and installed with additional surge protection (SPD2045STD-CHBEEYG01).

NOTE

- No field service allowed
- Dimming wires must not be used simultaneously with microwave sensor; failure to do so will void the warranty.



Dimensions
 mm | 295(Ø) x 137(H) x 142(H2)
 inch | 11.623(Ø) x 5.398(H) x 5.594(H2)

Dimensions
 mm | 329(Ø) x 170(H) x 165(H2)
 inch | 12.953(Ø) x 6.706(H) x 6.509(H2)



ORDERING CODE, ENERGY AND PERFORMANCE DATA

	Model No.	Delivered Lumens (lm)	Input Watts (W)	Voltage (V)	Colour Temp. (K)	Efficacy (lm/W)	Certification	Compliance	Type
	CHBE-100W40K-120N-A-MV <i>White</i>	13774	98	120-277	4000K	141		IP65	Standard
	CHBE-100W50K-120N-A-MV <i>Black/White</i>	13914	98	120-277	5000K	142		IP65	Standard
	CHBE-150W40K-120N-A-MV <i>Black</i>	21500	151	120-277	4000K	143		IP65	Standard
	CHBE-150W50K-120N-A-MV <i>Black</i>	21783	151	120-277	5000K	145		IP65	Standard
	CHBE-250W40K-120N-A-MV <i>Black</i>	35403	246	120-277	4000K	144		IP65	Standard
	CHBE-250W50K-120N-A-MV <i>Black</i>	35895	247	120-277	5000K	146		IP65	Standard
	CHBE-100W40K-120N-A-MV (347) [*] <i>White</i>	13774	98	347	4000K	141		IP65	Standard
	CHBE-100W50K-120N-A-MV (347) [*] <i>Black/White</i>	13914	98	347	5000K	142		IP65	Standard
	CHBE-150W40K-120N-A-MV (347) [*] <i>Black</i>	21500	151	347	4000K	143		IP65	Standard
	CHBE-150W50K-120N-A-MV (347) [*] <i>Black</i>	21783	151	347	5000K	145		IP65	Standard
	CHBE-250W40K-120N-A-MV (347) [*] <i>Black</i>	35403	246	347	4000K	144		IP65	Standard
	CHBE-250W50K-120N-A-MV (347) [*] <i>Black</i>	35895	247	347	5000K	146		IP65	Standard

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- NOTE:**
- Lumens are estimated
 - DLC qualified may not apply to all versions within a model. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.



Optional Accessories

Microwave sensor SMF2025 (Max. mounting height: 15 m)**
RC1030 | Remote Control for SMF2025 (sold separately)**

**Sensor settings can be changed using RC1030 (sold separately). Available option for factory installed sensor (additional costs may apply).

Controls

EMP-P4035 | Emergency Battery Pack for CHB type fixtures (CHBE 100W & 150W - 120V Only)



SMF2025

Default Sensor Setting

Motion	100% lumen output
>=5min with no motion	30% lumen output
>=30min with no motion	Off

Detection Range: 100%, maximum mounting height of 15m
Daylight Sensor: Disabled

