

CHB Series LED High Bay

PRODUCT DESCRIPTION

The Luminoso CHB series brings an all new sleek, low profile design to the world of LED high bay lighting. This product's design makes it a perfect replacement for T8 and T5 fixtures. Its wide distribution angle is ideal for lighting applications such as gymnasiums, warehouses, manufacturing and service areas. Lastly, the CHB series exceptional 50,000+ hours of operation and wattage reductions of over 65% from its traditional counterparts makes it a truly revolutionary product. It is available in either a 150, 200, 280 or 400 watts with lumen packages ranging from 19,991 to 53,494.

PERFORMANCE SUMMARY

Efficacy: 125-136 Lm/W
Delivered Lumens Output: 19,199 - 53,494
Power: 150W - 400W
CRI: 80
CCT: 4000K, 5000K
Input Voltage: 120 - 277 VAC
Frequency: 50-60Hz
Beam Angle: 120°
Warranty: 5 Years
Standard Lifetime: designed to L70 minimum 50,000 Hours
IP Rating: IP65
Dimmable: 0 - 10V



REGULATORY & VOLUNTARY QUALIFICATIONS

UL Listed
Suitable for Wet Locations
DLC QPL Listed

ORDER INFORMATION

EXAMPLE: CHB-14-150W-50K-J-Y-FR



Series	Mount	Wattage	CCT	Beams	Voltage	Lens	Optional Shroud	CRI
CHB	14 = Direct Mount	150W 200W 280W 400W	40K = 4000K 50K = 5000K	J=120°	Y=120-277V HV=347-480V**	FR = Frosted CL = Clear	C18 = 18 inch Cylinder Shroud C18RL = 18 inch Cylinder Shroud Refracting lens	90 CRI**

Enter configuration:

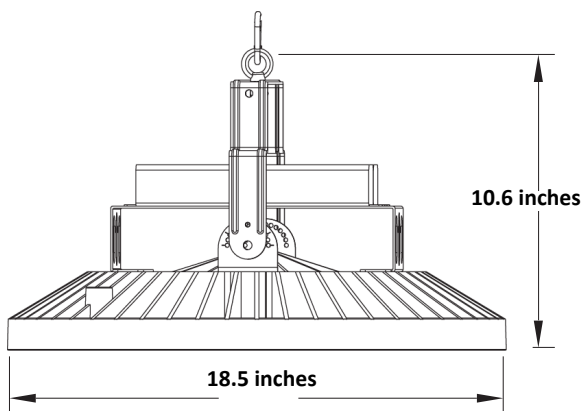
** Special Order / contact vendor

Series / Performance

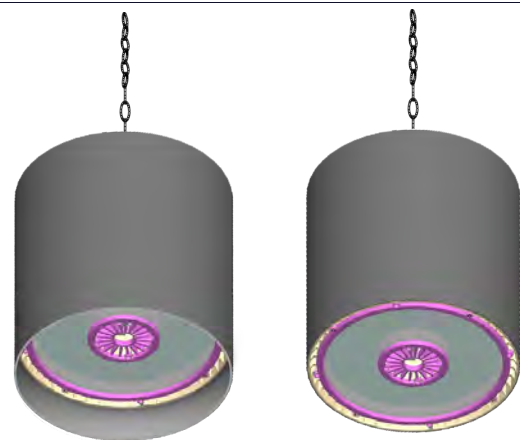
Series No.	CHB-150W	CHB-200W	CHB-280W	CHB-400W
Power	150W	200W	280W	400W
Lumens: Clear/Frosted lens	19,199	27,210	34,993	53,494
Efficacy	128 lm/w	136 lm/w	125 lm/w	134 lm/w
Input current 120/277V	1.25/0.54 Amps	1.67/0.72 Amps	2.33/1.01 Amps	3.33/1.44 Amps
Input	120-277V AC	120-277V AC	120-277V AC	120-277V AC

** Special Order / 347-480V AC

Dimensions

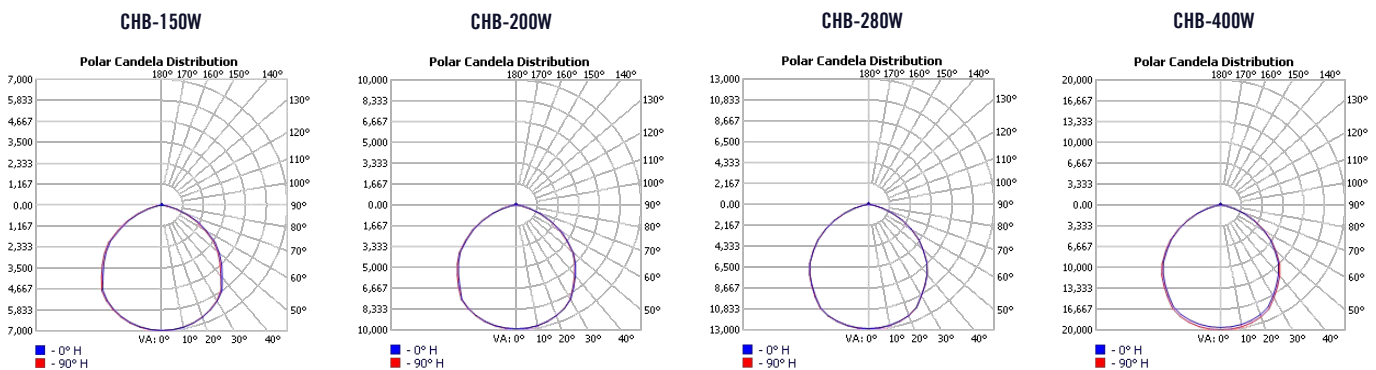


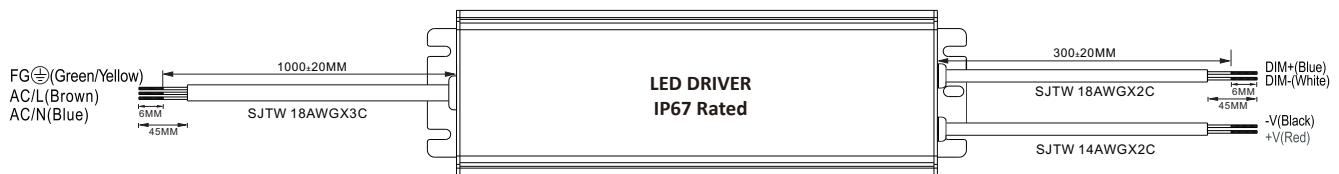
Cylinder Shroud Option



Cylinder Shroud option (Made to order)

Photometric





Built-in 3 in 1 dimming function, IP67 rated. Output constant current level can be adjusted through output cable by connecting a resistance or 1 ~ 10Vdc or 10V PWM signal between DIM+ and DIM-.

Please DO NOT connect "DIM-" to "-V".

Reference resistance value for output current adjustment (Typical)

Resistance value	Single driver	10K Ω	20K Ω	30K Ω	40K Ω	50K Ω	60K Ω	70K Ω	80K Ω	90K Ω	100K Ω	OPEN
	Multiple drivers (N=driver quantity for synchronized dimming operation)	10K Ω /N	20K Ω /N	30K Ω /N	40K Ω /N	50K Ω /N	60K Ω /N	70K Ω /N	80K Ω /N	90K Ω /N	100K Ω /N	----
Percentage of rated current		10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

1 ~ 10V dimming function for output current adjustment (Typical)

Dimming value	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V	OPEN
Percentage of rated current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

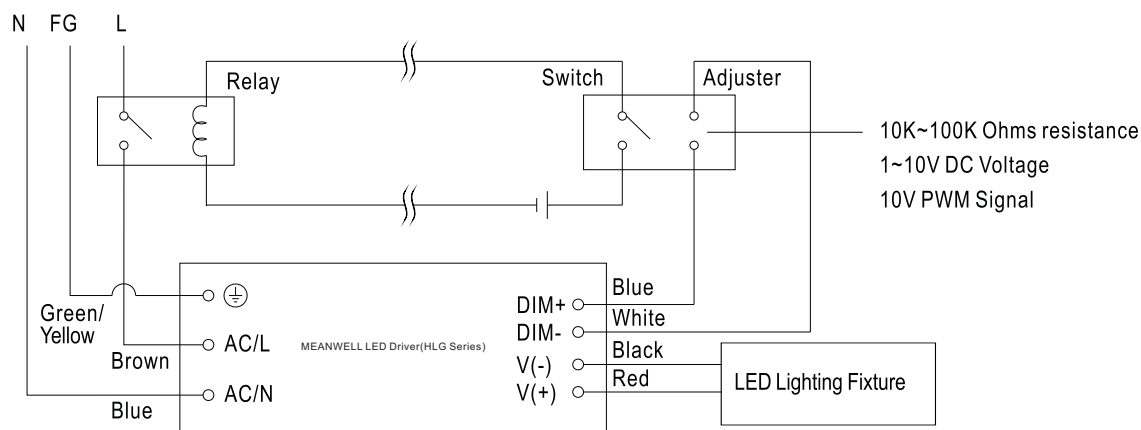
10V PWM signal for output current adjustment (Typical): Frequency range : 100Hz ~ 3KHz

Duty value	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	OPEN
Percentage of rated current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

Using the built-in dimming function on B-type model can't turn the lighting fixture totally dark. Please refer to the connection method below to achieve 0% brightness of the lighting fixture connecting to the LED power supply unit.

Direct connecting to LEDs is suggested, but is not suitable for using additional drivers.

Dimming connection diagram for turning the lighting fixture ON/OFF :



Using a switch and relay can turn ON/OFF the lighting fixture.

1. Output constant current level can be adjusted through output cable by connecting a resistance or 1~10Vdc or 10V PWM signal between DIM+ and DIM-.
2. The LED lighting fixture can be turned ON/OFF by the switch.