











PROJECT NAME:	CATALOG #:	
NOTES:	DATE:	

BLS-CHB Circular High Bay

The BLS-CHB is a compact, round, budget-friendly high bay that combines great performance with premium aesthetics. The stylish exterior design is very adaptable and can be seamlessly integrated into various environments without being obtrusive. The unique structural design provides maximum durability and reliability, while supporting hook, pendant, and surface three installation methods, replacing MH up to 1000W. Each model supports color temperature adjustment, and 4 positions wattage regulation, reducing product stocking budgets.

SPECIFICATIONS FEATURES

Construction:

- Casting thermally conducts LED heat to optimize performance and long life.
- With corrosion-resistant powder coating that provides protection and architectural appearance while adapting well to the environment.

Optics:

- Light engines are available in color tunable version, the CCT can be changed to three CCTs (3000K, 4000K, 5000K) or two CCTs (4000K, 5000K).
- Scalable Lumen Packages from 6,000 to 40,000 Lumens.
- Anti-UV prismatic translucent lens is designed to shape the light uniformity and controls the glare light.

Electrical:

- Universal 120-277V or 120-347V or 347-480V input voltage.
- 0-10V dimming standard for a dimming range of 100% to 10%.
- PF >90%, THD <20%, 6KV surge protection.
- Operating temperature is -40°C (-40°F) to 50°C (122°F) or -40°C (-40°F) to 45°C (113°F). Note: Operating with emergency battery temperature range: 5°C to 50°C (+41°F + 122°F).

Lifespan:

 Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Controls:

- Optional Occupancy sensor or Microwave sensor or daylight sensor.
- Optional Bluetooth sensor or Bluetooth controller.
- Silvair Luminaire Level Lighting Control (LLLC) optional.
- Sharkward Luminaire Level Lighting Control (LLLC) optional.
- Also compatible with 3rd party smart network control system.
- Optional for Emergency Battery Backup.

Warranty:

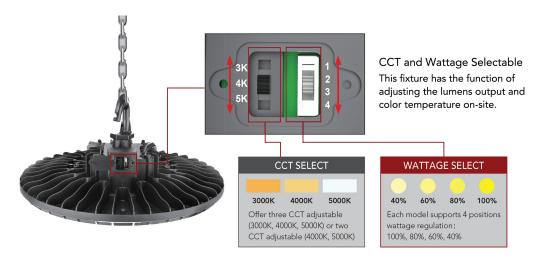
• Five-year limited warranty

Certification:

- UL cUL wet location listed
- \bullet DesignLights Consortium $^{\text{TM}}$ Qualifed.
- TAA refers to the Trade Agreements Act (19 U.S.C. § 2501–2581), intended to foster fair and open international trade. TAA requires that products be produced or undergo "substantial transformation" within the United States or a designated country.

NOTE- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at $25^{\circ}\text{C}(\pm 5^{\circ}\text{C})$ specifications subject to change without notice.





PERFORMANCE DATA

	100W							
SETTING	SYSTEM	CRI	300	00K	400	00K	500	00K
SETTING	WATTS	70	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	100W	70	14000lm	140 lm/W	16000lm	160 lm/W	14500lm	145 lm/W
80%	80W	70	11600lm	145 lm/W	13000lm	163 lm/W	12000lm	150 lm/W
60%	60W	70	9000lm	150 lm/W	10000lm	167 lm/W	9400lm	157 lm/W
40%	40W	70	6200lm	155 lm/W	7000lm	175 lm/W	6500lm	163 lm/W

	150W							
SETTING	SYSTEM	CRI	300	00K	400	00K	500	00K
SETTING	WATTS	70	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	150W	70	22000lm	147 lm/W	24000lm	160 lm/W	22500lm	150 lm/W
80%	120W	70	18000lm	150 lm/W	20000lm	167 lm/W	19000lm	158 lm/W
60%	90W	70	14000lm	156lm/W	15500lm	172 lm/W	14600lm	162 lm/W
40%	60W	70	9800lm	163 lm/W	10800lm	180 lm/W	10000lm	167 lm/W

210W								
SETTING	SYSTEM	CRI	3000K		4000K		5000K	
SETTING	WATTS	70	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	210W	70	30200lm	144 lm/W	32000lm	152 lm/W	30500lm	145 lm/W
80%	168W	70	24500lm	146 lm/W	26500lm	158 lm/W	25000lm	149 lm/W
60%	126W	70	19000lm	151 lm/W	21000lm	167 lm/W	20000lm	159 lm/W
40%	84W	70	13500lm	161 lm/W	14500lm	173 lm/W	14000lm	167 lm/W

	230W								
SETTING SYSTEM WATTS		CRI	3000K		4000K		5000K		
SETTING	SISILIVI WATIS	70	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	
100%	230W	70	34000lm	148 lm/W	36000lm	157 lm/W	35000lm	152 lm/W	
80%	184W	70	28000lm	152lm/W	30000lm	163 lm/W	29000lm	158 lm/W	
60%	138W	70	22000lm	159 lm/W	24000lm	174 lm/W	23000lm	167 lm/W	
40%	92W	70	15500lm	168 lm/W	16500lm	179 lm/W	16000lm	174 lm/W	



SAMPLE: BLS-CHB-100-27V-DDK-D-M-B-AD **ORDERING GUIDE** MODEL WATTAGE VOLTAGE ССТ **FINISH** SENSOR **EMERGENCY CCT AND POWER** INTERNAL ADJUSTABLE CODE BATTERY **BLS-CHB 100** 100W **27V** 120-277V **DDK** Adjustable D Dark Bronze M with Sensor **B** with Emergency Battery AD with Adjustment Dial Blank without Blank without Emergency **150** 150W **34V** 120-347V MS with Silvair **B** Black Alphanumeric color temperature Adjustment Dial Battery Sensor **210** 210W **48V** 347-480V **W** White 2 with 2 CCTs Dial Blank without **230** 230W Sensor 3 with 3 CCTs Dial

ACCESSORIES

3				
Emergency Battery 25W 3500lm 90min, suit for 210W, 230W. 16W 2000lm 90min, suit for 100W,150W	Plug-and-Play PIR Sensor PIR sensor: MSANT12VPH01 Bluetooth PIR sensor: MSANT12VPHS01 With Silvair	U-Bracket Use for surface mount	Aluminum Reflector	PC Reflector

MOUNTING OPTIONS



Hook Mount

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Conduit Pendant Mount



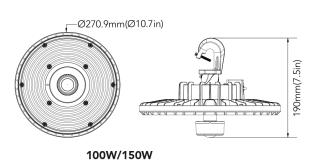
PHOTOMETRICS

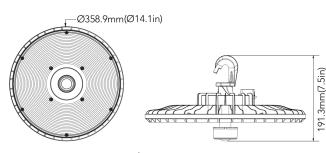
180

135

135

DIMENSIONS





210W/230W



ELECTRICAL DATA

1 800 120 0.83 100 208 0.48 1100 240 0.42 1100 240 0.42 1100 277 0.36 1100 347 0.29 1105 347 0.30 1105 480 0.22 1150 120 1.25 1150 208 0.72 1150 208 0.72 1150 240 0.63 1150 277 0.54 1150 347 0.43 1150 155 347 0.43 1155 347 0.45 1155 347 0.45 1155 480 0.32 1150 210 120 1.75 1210 208 1.01 175 210 208 1.01 175 210 208 0.32 110 120 1.75 1210 208 1.01 175 210 208 1.01 175 210 208 1.01 175 210 208 1.01 175 210 208 1.01 175 210 208 1.01 175 210 208 1.01 175 210 208 1.01 175 210 208 1.01 175 210 208 1.01 175 210 208 1.01 175 210 208 1.01 175 210 208 1.01 175 210 240 0.88 1 210 240 0.88 1 210 347 0.61 215 347 0.62 215 347 0.62 215 347 0.62 2215 340 0.45 1 230 208 1.11 1 230 208 1.11 1 230 208 1.11 1 230 208 1.11 1 230 208 1.11 2 230 208 1.11 2 230 208 1.11 2 230 208 1.11 2 230 208 1.11 2 230 208 1.11 2 230 208 1.11 2 230 208 1.11 2 230 240 0.96 1 235 347 0.66 2 235 347 0.66 2 235 347 0.66	NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
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1 800 100 277 0.36 100 347 0.29 105 347 0.30 105 480 0.22 150 120 1.25 150 208 0.72 150 240 0.63 150 240 0.63 150 347 0.43 155 347 0.45 155 480 0.32 210 120 1.75 210 208 1.01 210 240 0.88 1 1700 210 277 0.76 210 347 0.61 215 347 0.61 215 347 0.62 215 480 0.45 230 120 1.92 230 208 1.11 230 208 1.11 230 240 0.96 230 240 0.96 230 347 0.66 230 347 0.66 230 347 0.66			100	208	0.48
100 347 0.29 105 347 0.30 105 480 0.22 150 120 1.25 150 208 0.72 150 240 0.63 150 240 0.63 150 277 0.54 150 347 0.43 155 347 0.45 155 480 0.32 210 208 1.01 210 208 1.01 210 240 0.88 210 240 0.88 210 240 0.88 210 347 0.61 215 347 0.62 215 347 0.62 215 480 0.45 230 208 1.11 230 208 1.11 230 208 1.11 230 208 1.11 230 240 0.96 230 240 0.96 230 240 0.96 230 240 0.96 230 347 0.66 230 347 0.66 235 34			100	240	0.42
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1 150 208 0.72 150 240 0.63 150 240 0.63 150 277 0.54 150 347 0.43 155 347 0.45 155 480 0.32 155 480 0.32 175 210 208 1.01 200 1.75 210 208 1.01 200 0.88 210 240 0.88 210 277 0.76 210 240 0.88 215 347 0.61 215 347 0.62 215 347 0.62 215 480 0.45 230 208 1.11 230 0.96 230 240 0.96 230 230 347 0.66 235 347 0.66 235 347 0.66			105	480	0.22
1 150 240 0.63 150 277 0.54 150 347 0.43 155 347 0.45 155 480 0.32 210 120 1.75 210 208 1.01 210 240 0.88 210 240 0.88 210 347 0.61 210 347 0.61 215 347 0.62 215 480 0.45 230 120 1.92 230 208 1.11 230 240 0.96 230 240 0.96 230 347 0.66 230 347 0.66 235 347 0.68			150	120	1.25
1 1150 150 277 0.54 150 347 0.43 155 347 0.45 155 480 0.32 210 120 1.75 210 208 1.01 210 240 0.88 210 240 0.88 210 347 0.61 210 347 0.62 215 347 0.62 215 480 0.45 230 120 1.92 230 208 1.11 230 240 0.96 230 240 0.96 230 240 0.96 230 347 0.66 230 347 0.66 235 347 0.68			150	208	0.72
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210 347 0.61 215 347 0.62 215 480 0.45 230 120 1.92 230 208 1.11 230 240 0.96 1 1750 230 277 0.83 230 347 0.66 235 347 0.68			210	240	0.88
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235 347 0.68	1	1750	230	277	0.83
			230	347	0.66
235 480 0.49			235	347	0.68
			235	480	0.49