

LED HIGH BAY

HB-91

The up-down illuminated Highbay



Description

HB-91 features a high-performance LED light source, 200W, offering dual color temperatures and three adjustable power levels, with an impressive efficacy of 165 lm/W. Its die-cast aluminum construction ensures excellent heat dissipation, contributing to a long lifespan. Additionally, the lamp offers multiple beam angles for versatile upward and downward light emission. (Upward lighting accounts for 10% of total power consumption)

Key Features

- Power selectable
- Dual-CCT adjustable downward/upward lighting (upward light could be turned off independently)
- Plug and play socket for sensors
- High cost performance
- Multiple beam angles: 60°, 85°, 115°
- IP65 and IK08 dual protection

Applications



Industry & Warehouse



Exhibition center



Shopping mall



Airport



Library



Factories



Warehouses

FUNCTION TABLE

Series constant	Lamp code	Power	Power selectable	CCT selectable	Beam distribution	Voltage	Example
HB	91	200=200W	WS= Power selectable	2CS= 2 CCT selectable	H00200+H00219 H00200+H00220 H00200+H00221	U=120-277V	HB91-200WS-2CS-H00200+H00220-U

GENERAL INFORMATION

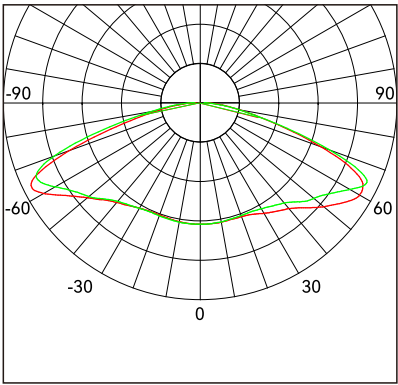
Housing materials	Aluminum alloy
Housing finish	Powder coating
Optic materials	Polycarbonate
Fixture color	White (RAL9016)
Electrical class	Class I
CCT selection DIP switch	Yes
Power selection DIP switch	Yes
Emergency	NO
Sensor	Yes
Light source SDCM	<5
Impact resistance	IK08
Ingress protection	IP65
Certification	UL/DLC
Warranty(years)	5

TECHNICAL DATA

Code	HB-91-200WS-2CS-H00200+H00221-U	HB-91-200WS-2CS-H00200+H00220-U	HB-91-200WS-2CS-H00200+H00219-U
Nominal wattage(W) ±5%	200/160/120 selectable		
Driver type	Constant current(CC)		
Control	0-10V		
Nominal input voltage(V)	120-277VAC, 50/60Hz		
Power factor(at full load)	>0.9		
Flicker factor	SVM < 0.4; PST < 1		
THD	<20%@120-277V		
Surge protection	6KV L-L, 6KV L-E		
Light source	LED2835		
Color rendering index	Ra80		
General luminous efficacy(lm/W)	165lm/W@4000K Ra80		
Color temperature(K)	2-CCT: 4000/5000K selectable		
Luminous flux(lm) ±10% Ra80	200W: 31000-34000 120W: 20000-21000		
Beam angle	H00200+H00221	H00200+H00220	H00200+H00219
UGR	<28		-
Operating temperature(°C/°F)	-30 to +50 (-22 to +122)		
Lifespan of LED@Ta=25°C (hrs)	51500-L90B50		
	107000-L80B50		
	170000-L70B50		

OPTICS

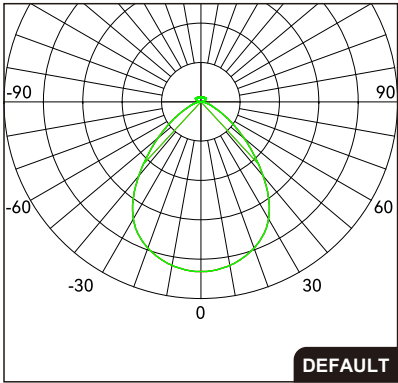
Default with upward lighting (could be turned off)
Upward light cannot be turned on independently.



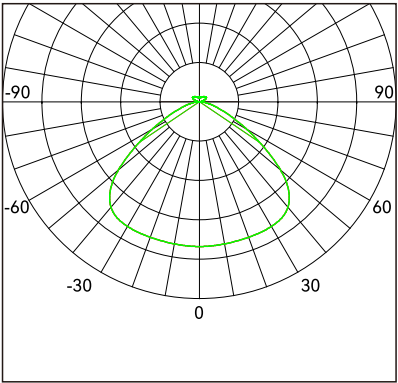
Symmetrical 150° H00200 (Type V)

With upward light (default)

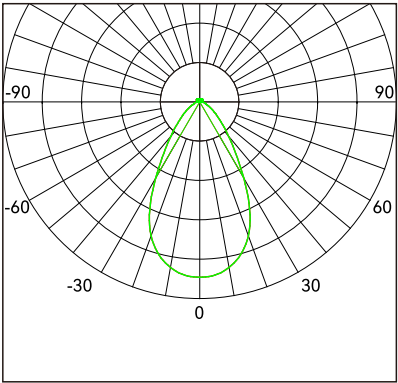
RECOMMENDED



Symmetrical 150° H00200+85° H00220

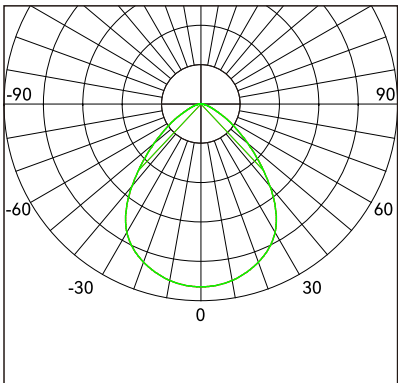


Symmetrical 150° H00200+115° H00219

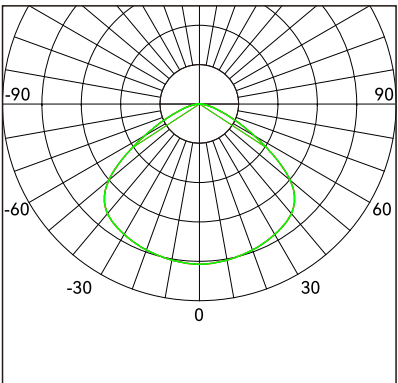


Symmetrical 150° H00200+60° H00221

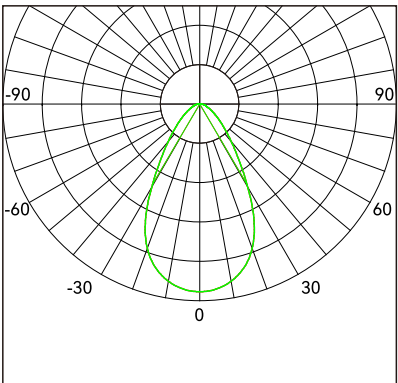
Without upward light



Symmetrical 85° H00220

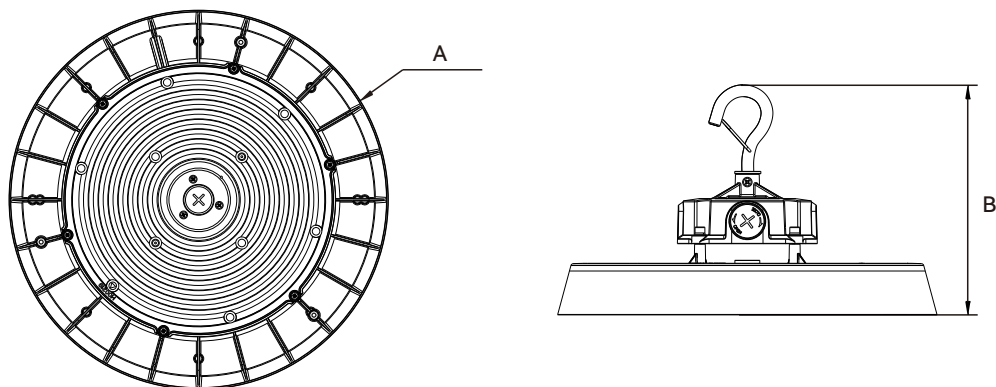


Symmetrical 115° H00219



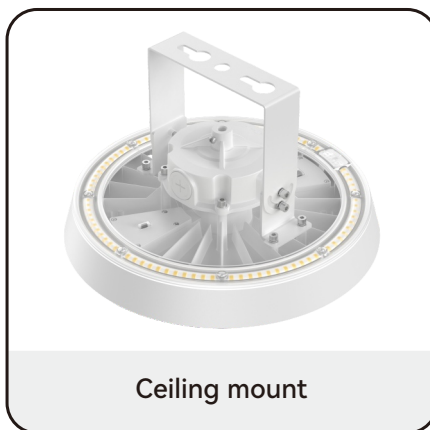
Symmetrical 60° H00221

MEASUREMENT



Product code	Luminaire dimensions AxB(mm/inch)	Product weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
		N.W/PC	G.W/CTN		
HB-91-200WS-2CS-H00200+H00221-U HB-91-200WS-2CS-H00200+H00220-U HB-91-200WS-2CS-H00200+H00219-U	Ø320×194 (Ø12.6"×7.64")	2.5 (5.51)	3.4 (7.50)	340×340×160 (13.39"×13.39"×6.30")	1

MOUNTING OPTIONS



ACCESSORIES

Safety chain



Code	Product weight(kg/lbs) ±6%		Package weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
SC-H54-01	0.11(0.24)	-	5.50(12.13)	5.89(12.99)	320x210x140 (12.6"×18.27"×5.51")	50

Ceiling mount bracket



Code	Product weight(kg/lbs) ±6%		Package weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
BC-H73-01	0.31(0.683)	–	5.83(12.85)	6.28(13.85)	310x235x315 (12.2"x9.25"x12.4")	12

PC reflector with lid



Code	Product weight(kg/lbs) ±6%		Package weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00C01A+ H00C01B	1.0(2.2)	–	5(11.02)	6.9(15.21)	480x480x480 (18.9"x18.9"x18.9")	5

PC reflector



Code	Product weight(kg/lbs) ±6%		Package weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00C01A	0.65(1.43)	–	3.25(7.17)	5.15(11.35)	480x480x480 (18.9"x18.9"x18.9")	5

ALU reflector



Code	Product weight(kg/lbs) ±6%		Package weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00D02 (90°)	0.22(0.49)	–	2.20(4.85)	3.37(7.43)	452x452x205 (17.8"x17.8"x8.07")	10

ALU reflector



Code	Product weight(kg/lbs) ±6%		Package weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00D03 (65°)	0.60(1.32)	–	6.0(13.23)	8.2(18.08)	540x530x390 (21.26"x20.87"x15.35")	10

ALU reflector



Code	Product weight(kg/lbs) ±6%		Package weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00D04 (110°)	0.56(1.23)	–	5.6(12.35)	7.99(17.61)	620x610x235 (24.41"x24.02"x9.25")	10

Microwave motion sensor for Audio-Jack socket



Code	Product weight(kg/lbs) ±6%		Package weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
ANT-5-4T	0.028(0.062)	0.042(0.093)	-	-	-	1

PIR sensor for Audio-Jack socket



Code	Product weight(kg/lbs) ±6%		Package weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
ANT-6-4T	0.039(0.086)	0.054(0.119)	-	-	-	1

Remote Controller for ANT-5-4T / ANT-6-4T



Code	Product weight(kg/lbs) ±6%		Package weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
RC-100	0.06(0.132)	0.128(0.282)	-	-	-	-

CASAMBI ready wireless module for Audio-Jack socket



Code	Product weight(kg/lbs) ±6%		Package weight(kg/lbs) ±6%		Carton size (mm/inch)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
SR-A00-05	0.03(0.066)	0.04(0.088)	0.8(1.76)	1.1(2.43)	310x130x125 (12.2"x5.12"x4.92")	20

POWER & CCT SELECTABLE

Factory set: 100% brightness, 5000K

