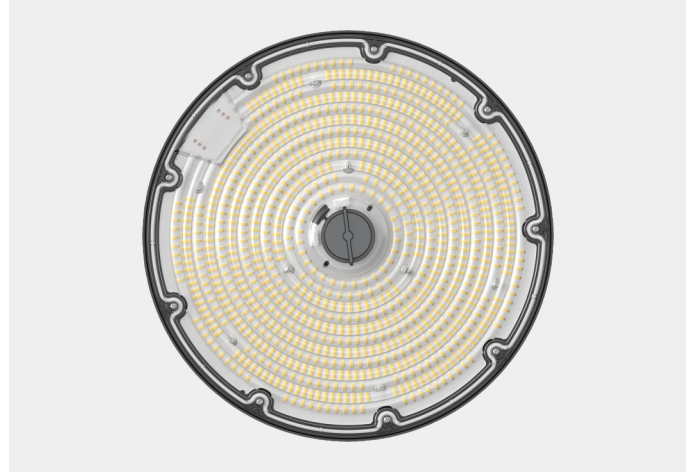


LED High Bay

HB98

All Features, Flawless Performance, One High Bay



Description

HB98 is an economical highbay light featuring high-performance LEDs and a die-cast aluminum housing for effective heat dissipation and long service life. It is available in three compact sizes corresponding to 100W, 150W, and 200W power options, reducing both cost and shipping expenses. With switchable power, CCT, and beam angle (70°/85°/115°), it delivers up to 185 lm/W. Both color temperature and beam angle can be easily adjusted via dial switches, simplifying inventory management.

Key Features

- High luminous efficacy up to 170lm/W
- Flicker-free
- Dip Switch for power, CCT, beam angle selectable.
- IP65/IK08
- Smart Sensors compatibility
- Dimming: 0-10V, DALI

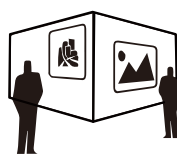
Applications



Warehouses



Factories



Exhibition center



Shopping mall



Gymnasium

FUNCTION TABLE

Suffix	3 Power selectable	3 CCT selectable	Beam Angle selectable	zhaga book 18 receptacle	DALI dim	Example
/CPS	✓	✓	✓	-	-	HB98-200/CPS
/CPJS	✓	✓	✓	✓	-	HB98-200/CPJS
/CPDS	✓	✓	✓	-	✓	HB98-200/CPDS

GENERAL INFORMATION

Housing materials	Aluminum alloy
Housing finish	Powder coating
Optic materials	Polycarbonate(PC)
Fixture color	Black RAL9017
Electrical class	Class I
CCT selection DIP switch	Yes
Power selection DIP switch	Yes
Beam angle DIP switch	Yes
Emergency	NO
Sensor	Yes
Light source SDCM	<5
Impact resistance	IK08
Ingress protection	IP65
Certification	CE/SAA/C-TICK/RoHS
Warranty(years)	5

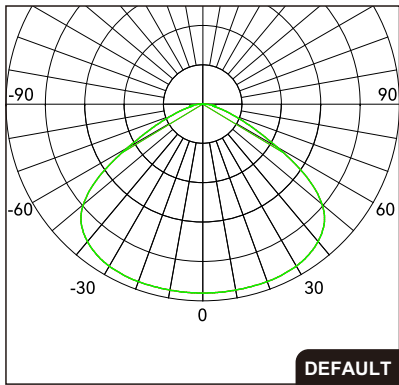
TECHNICAL DATA

Code	HB98-100/CPS	HB98-150/CPS	HB98-200/CPS
Nominal wattage(W) $\pm 5\%$	100/80/60 selectable	150/120/90 selectable	200/160/120 selectable
Driver type	Constant current(CC)		
Control	ON-OFF (0-10V / DALI 2.0 optional)		
Nominal input voltage(V)	220-240VAC, 50/60Hz		
Power factor(at full load)	>0.95		
Flicker factor	$< 1\%$		
THD	$< 10\% @ 230V$		
Surge protection	L-N: 6KV, L/N-E: 6KV		
Light source	LED 2835		
Color rendering index	Ra70 / Ra80		
General luminous efficacy(lm/W)	170lm/W@4000K RA80 &85° to 3000K+4000K+5000K 170lm/W@5000K RA80 &85° to 4000K+5000K+6500K		
Color temperature(K)	3-CCT: 3000K+4000K+5000K / 4000K+5000K+6500K		
Luminous flux(lm) $\pm 10\%$ Ra70	100W: 17200-18600 60W: 11000-11500	150W: 25800-28000 90W: 16700-17400	200W: 34600-37400 120W: 22600-23600
Luminous flux(lm) $\pm 10\%$ Ra80	100W: 15800-16900 60W: 10100-10400	150W: 23700-25500 90W: 15200-15800	200W: 31500-34000 120W: 20500-21300
Beam angle	H00244	H00245	H00246
Operating temperature($^{\circ}\text{C}$)	-30 to $+50$		
Lifespan of LED@Ta=25 $^{\circ}\text{C}$ (hrs)	276000-L70B50		
	183500-L80B50		
	72300-L90B50		

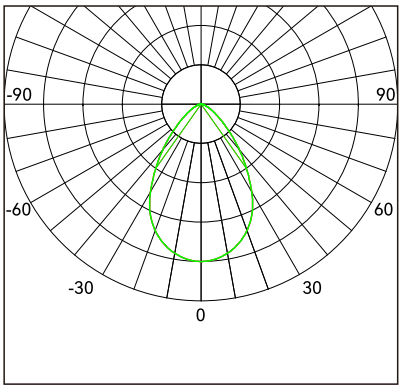
OPTICS

100W

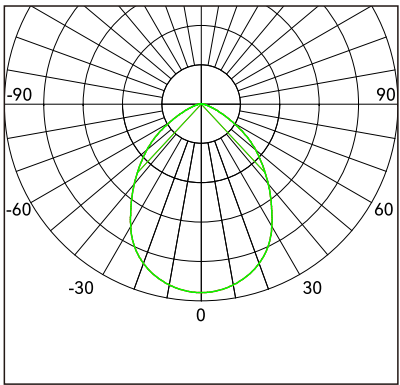
RECOMMENDED



Symmetrical 115° H00244



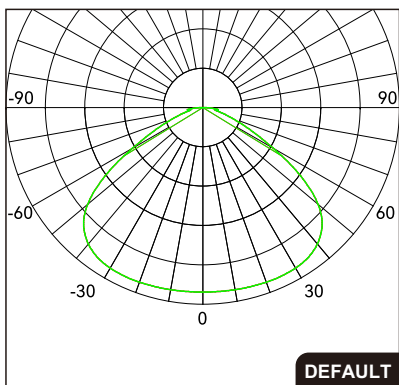
Symmetrical 70° H00244



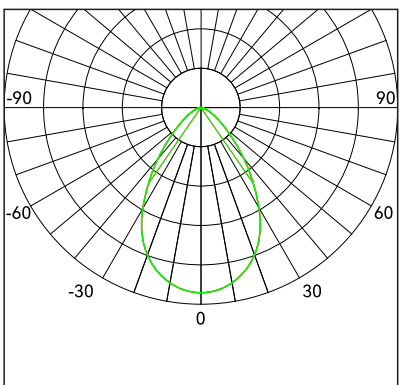
Symmetrical 85° H00244

150W

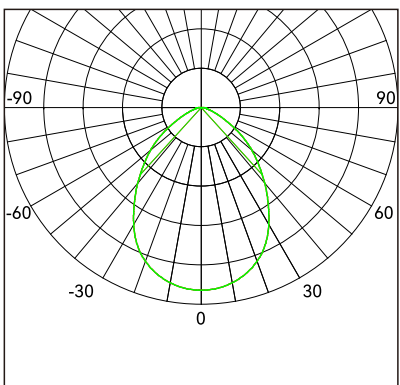
RECOMMENDED



Symmetrical 115° H00245



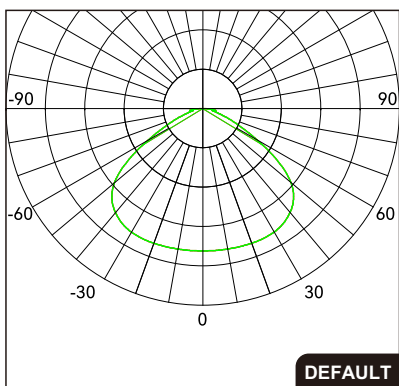
Symmetrical 70° H00245



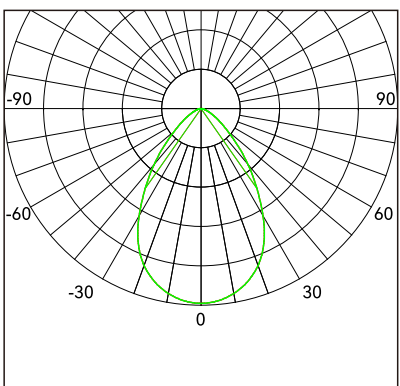
Symmetrical 85° H00245

200W

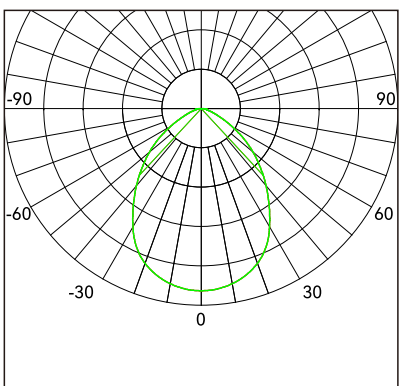
RECOMMENDED



Symmetrical 115° H00246



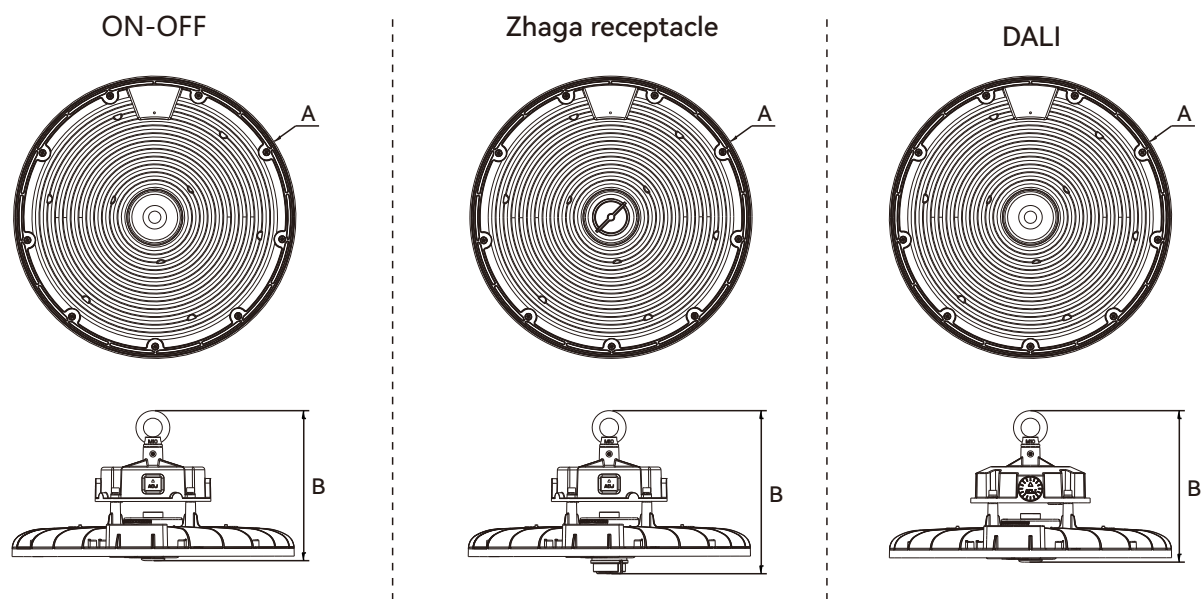
Symmetrical 70° H00246



Symmetrical 85° H00246

Note: Use the dial switch to adjust brightness in different LED zones for angle adjustment.

MEASUREMENT



Product code	Luminaire dimensions AxB(mm)	Product weight(kg) ±6%		Carton size (mm)	Qty/ CTN
		N.W/PC	G.W/PC		
HB98-100/CPS (ON-OFF)	Ø220x160	1.6	2.2	240x240x160	1
HB98-150/CPS (ON-OFF)	Ø264x160	1.9	2.5	285x285x165	1
HB98-200/CPS (ON-OFF)	Ø300x160	2.1	2.7	320x320x170	1
HB98-100/CPJS (Zhaga receptacle)	Ø220x173	1.6	2.2	240x240x190	1
HB98-150/CPJS (Zhaga receptacle)	Ø264x173	1.9	2.5	285x285x195	1
HB98-200/CPJS (Zhaga receptacle)	Ø300x173	2.1	2.7	320x320x200	1
HB98-100/CPDS (DALI)	Ø220x161	1.6	2.2	240x240x160	1
HB98-150/CPDS (DALI)	Ø264x161	1.9	2.5	285x285x165	1
HB98-200/CPDS (DALI)	Ø300x161	2.1	2.7	320x320x170	1

MOUNTING OPTIONS



Loop mounting



Ceiling mounting

ACCESSORIES

PC reflector with lid (only for 150W)



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00C65A+ H00C01B	1.011	1.011	5.255	6.543	445x445x315	5

PC reflector (only for 150W)



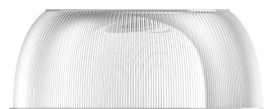
Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00C65A	0.665	0.711	1.422	2.71	445x445x315	6

PC reflector with lid (only for 200W)



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00C01A+ H00C01B	0.97	0.98	5.28	6.76	480x480x480	5

PC reflector (only for 200W)



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00C01A	0.63	0.72	3.6	5.08	480x480x480	5

ALU reflector (only for 150W)



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00D58	0.265	0.311	1.555	2.166	390x390x145	5

ALU reflector (only for 200W)



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00D02	0.223	0.228	2.497	3.406	420x420x165	10

ALU reflector (only for 200W)



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00D03	0.61	0.66	7.31	8.93	540x530x390	10

ALU reflector (only for 200W)



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
H00D04	0.594	0.64	6.887	8.44	620x610x235	10

Ceiling mount bracket for Zhaga receptacle / ON-OFF



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
BC-H27-01	0.202	0.291	4.656	5.015	315x210x210	16

Ceiling mount bracket for DALI



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
BC-H44-01	0.178	0.217	2.17	2.481	330x230x150	10

Safety chain



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
SC-H54-01	0.112	-	-	-	-	1

CASAMBI ready wireless module for Zhaga receptacle



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
UP-CZ01	0.035	0.045	0.9	1.2	360x150x155	20

Zhaga Microwave Motion Sensor



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
HD06VCRH 7B	0.03	0.042	-	-	-	1

Zhaga PIR Motion Sensor



Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
HD06VCRH 7C	0.031	0.046	-	-	-	1



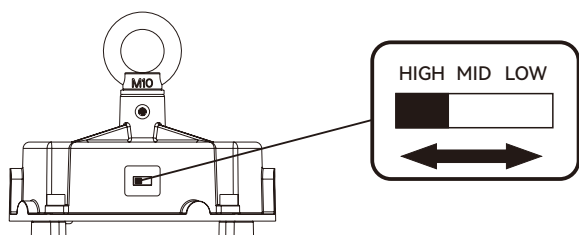
Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size (mm)	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
HD06R	0.135	0.148	7.385	7.9	350x320x180	50

CCT, POWER & Beam Angle SELECTABLE

Factory set: 100% brightness, 5000K(3000K+4000K+5000K)/6500K(4000K+5000K+6500K), 115°

Power Selectable

Zhaga receptacle / ON-OFF

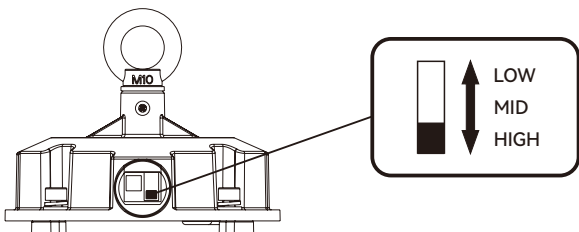


HIGH: 100% MID: 80% LOW: 60%

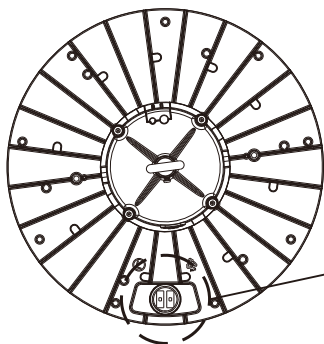
Power Percentage \	200W	150W	100W
HIGH	200W	150W	100W
MID	160W	120W	80W
LOW	120W	90W	60W

* The tolerance for power is ±10%

DALI



CCT & Beam Angle Selectable



Option 1

CCT	Beam Angle
3000K	70°
4000K	85°
5000K	115°

Option 2

CCT	Beam Angle
4000K	70°
5000K	85°
6500K	115°