

Product Specification

Version-A2-20241107



RHBL square high bay

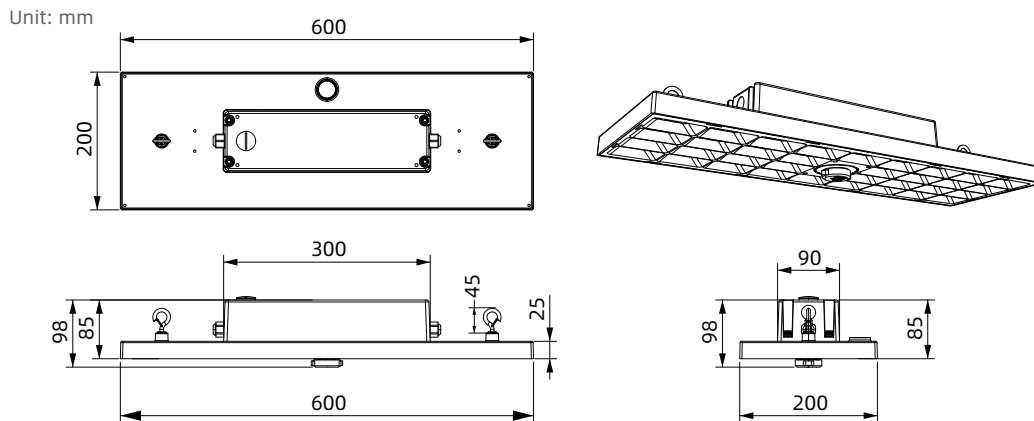
200 W(dim to150W/100W)



RHBL is a new type of lighting fixture designed specifically for large-scale automated warehousing and logistics scenarios on high-rise shelves. Combined with various unique rectangular spot optical designs, it can improve optical utilization by more than 30% and reduce energy consumption, excellent lighting effect combined with a blackbody mask achieves anti-glare effect of UGR<25, while also taking into account the product design of multiple power combinations to reduce inventory, the lamp provides 250MA12V intelligent control port power supply, taking into account the access of multiple intelligent control scene control systems !

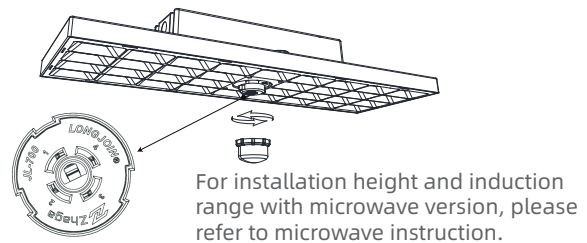
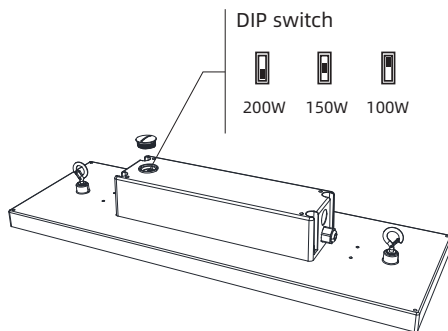
Product Features

- ◆ Power: 200W (150W, 100W)
- ◆ CCT: 3000/4000/5000/5700K
- ◆ Lighting efficiency: 160LM/W (R80)
- ◆ Beam angle: 60° x 85°/ 85° x 85° (symmetrical light distribution)
- ◆ UGR: Unique Beam Angle (UGR<22), Professional Beam Angle (UGR<25)
- ◆ IP grade: IP65 IK08
- ◆ Working environment: -40~50 °C, lifespan 50000 hours
- ◆ Power supply protection: Short circuit protection (SCP)/Over voltage protection (OVP)/Over temperature protection (OTP)
- ◆ Dimming control: 0-10V/PWM, auxiliary power supply 250MA 12V
- ◆ Controller selection: single lamp microwave sensors / group microwave constant illumination controllers
- ◆ Installation (hanging/wall mounted) to meet the needs of different customers



DIP switch / Microwave mount

Warning: Ensure the luminaire is turned off before selecting wattage.



Controller DALI:

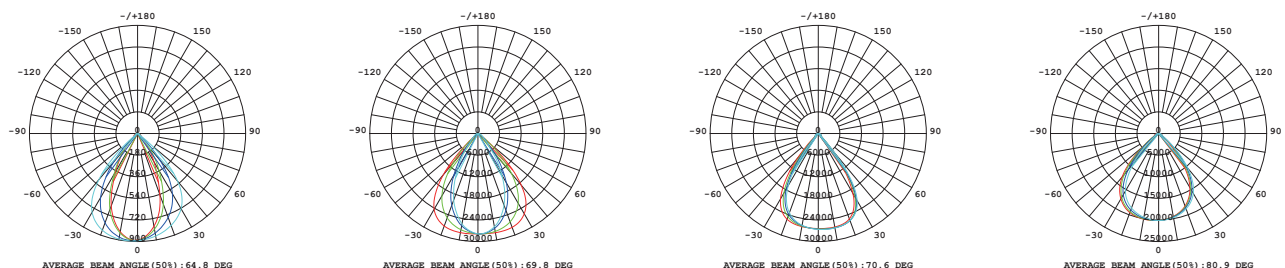
Port 1 : 24vdc
 Port 2 : DALI (or DALI based protocol) - / common ground
 Port 3 : DALI (or DALI based protocol)+
 Port 4 : NC

Or

Controller 0-10V/PWM:

Port 1 : 12vdc
 Port 2 : Dim - / common ground
 Port 3 : NC
 Port 4 : Dim+

Photometric diagram



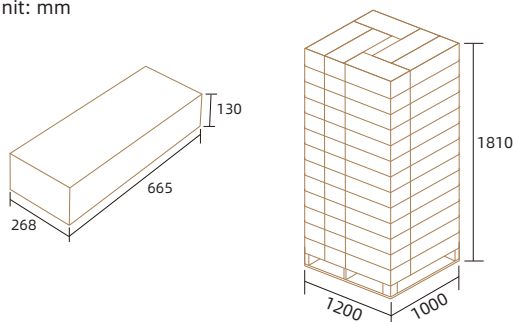
Specification parameter

Parameter		R-HBL 200W		
Wattage		200W(Dimming)	150W(Dimming)	100W(Dimming)
Input Voltage		100 - 277VAC		
Input Current		0.91A/220VAC	0.68A/220VAC	0.45A/220VAC
PF		>0.95/220VAC		
Dimming		3 in 1 dimming (PWM, 0-10V, resistor) , Power dial or internal microwave controller		
Dimming DC 12V driver		12VDC±10%, Max current 200mA (Dimming : External control and built-in microwave control can only be used, Only use in 12V) 0-10V, Dali2, PWM, zhaga (Bluetooth APP IP65 HF Zhaga book 18 Motion Sensor with 5.0 SIG Mesh, IP65 HF zhaga Book 18 Motion Sensor- RF) ;		
Typical efficiency Ra80, Total lumens	Typical Efficiency	160lm/W	165lm/W	170lm/W
	luminous Flux(±10%)	32000lm	24750lm	17000lm
Color temperature		High and low color temperature ranges customized		
Beam angle		60° x 85°/ 85° x85° (symmetrical light distribution), Unique Beam Angle (UGR<22), Professional Beam Angle (UGR<25)		
Working temperature and humidity		-40 ~ 50°C, 20 ~ 95%RH non-condensing		
Storage temperature and humidity		-40 ~ 85°C, 10 ~ 95%RH non-condensing		
Life span		50000Hours		
Surge lighting stroke		4KV		
IP/ IK protection grade		IP65 / IK08		
Certificates		Accord with CE ENEC, ROHS2.0		
Materials color		Housing: die-casting aluminium Housing color: white(RAL9003) Optics lens: PC		
Installation		Suspending/wall mounted(reference the instruction)		
Warranty		5 years		

Remarks: During voltage test, separate driver and luminaire, remove the gas from driver discharge tube grounding/disconnecting device (screw and metal lock plate). On drive cavity is removed temporarily to prevent functional action of gas discharge tube inside drive (see IEC 60598-1-10.2). Upon completion of the test, nuts and metal locks shall be reinstalled to restore power line surge protection to the ground and ensure reliable contact between metal locks and end caps.

Container Volume Calculation

Unit: mm



QTY of containers installed		Unit PCS		
R-HBL	Pallets(1200×1000×120mm)	Container	20GP	40GP
	Product Qty: 78PCS	Pallets Qty	10 pcs	21 pcs
		Product Qty	780 pcs	1638 pcs