

JRHB-RGBCW-NSF SERIES

ROUND LOW & HIGH BAY LUMINAIRE WITH RGB+TUNABLE WHITE FEATURE

STANDARD FEATURES

- Lumileds Chip, high CRI
- Output constant current level can be adjusted through output cable with APP
- No UV or IR in the beam
- Easy to install and operate
- Energy saving, long lifespan
- Light is soft and uniform, safe to eyes
- Instant start, NO humming
- Green and eco-friendly without mercury

Construction and Materials

- Die-cast aluminum
- Housing Color: Black, White & Customized

Optical System

- Beam Angle (50%): 90 Degrees
- Color Consistency: <7 Steps (or <7 SDCM)
- UGR: <28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)
- Diffuser Type: PC Lens

Electrical System

- Input Power: 100W
- Input Voltage: CC 120-277VAC Internal driver
- Efficacy: 17 lm/W ~ 147 lm/W
- Power Factor: ≥0.9
- CRI: 90+
- Operating Temp: -40°F to 122°F (-40°C to 50°C)
- Storage Temp: -40°F to 176°F (-40°C to 80°C)
- Total Harmonic Distortion: ≤20%
- Driver Surge Protection: L/N-PE: 6kV, L-N: 6kV

Dimming and Controls Options

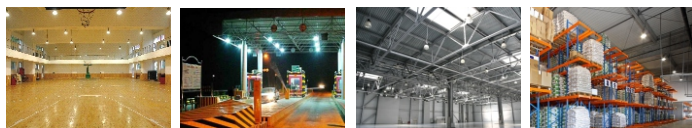
- Built-In Bluetooth app controller
- DMX Driver
- 0-10V Dimming
- DALI Driver

Certifications and Compliance

- UL & cUL Listed
- NSF Rated
- IP66 Rated
- IK10 Rated

APPLICATIONS

- Warehouse, factory and workshops
- Highway toll station and gas station
- Exhibition hall
- Gymnasiums, supermarkets and etc.



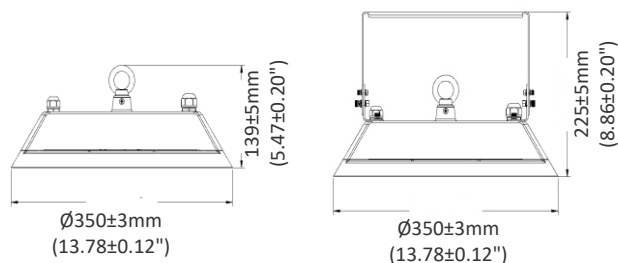
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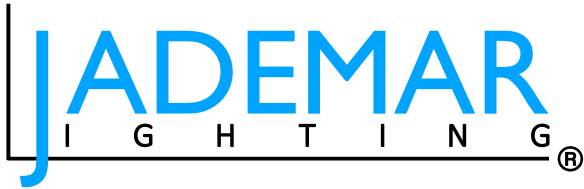
SPECIFICATIONS

Input Power	100W
Efficacy	17 lm/W ~ 147 lm/W
CCT	Red, Green, Blue +27K-65K Tunable white
Construction	Die-cast aluminum
Input Voltage	CC 120-277VAC Internal driver
IP Ratings	IP65
Certifications/Compliance	NSF Rated, UL & cUL Listed, IP66 & IK10 Rated
Warranty	5 Years

DIMENSIONS



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SPECIFICATION SUBMITTAL DETAIL

PROJECT NAME:	
MODEL NUMBER:	
DATE:	

JRHB-RGBCW-NSF SERIES ROUND LOW & HIGH BAY LUMINAIRE WITH RGB+TUNABLE WHITE FEATURE

ORDERING INFORMATION / EXAMPLE: JRHB-NSF-100W-RGBCW-D-90-90D-BK

JRHB-NSF	100W		RGBCW		90	90D	
Product Series	Wattage	Input Voltage	CCT	Controls Options	CRI	Optics	Finish
JRHB-NSF	100W 100 Watts	Blank 120-277VAC	RGBCW R,G,B+27K-65K Tunable white	BT-XXX Built-In Bluetooth app controller DMX DMX Compatible Driver D 0-10 Dim Driver DALI Dali Driver	90 90+ CRI	90D 90 Degrees optic	BK Black WH White CC Custom Color*

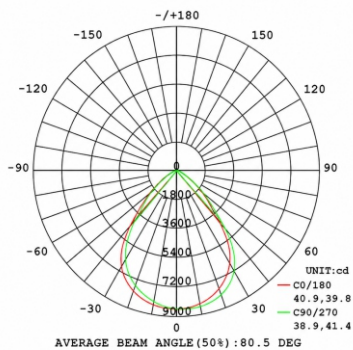
*Replace CC with desired RAL

LUMEN PERFORMANCE AND ELECTRICAL DATA

Model Number	JRHB-RGBCW-NSF					
Wattage	100W					
Lumen Output	1,520	3,600	720	14,672	13,688	4,987
Efficacy (AC)	52	98	17	147	136	49
Color Temperature (CCT)	R(620-650nm) 30W	G(520-525nm) 37W	B(457.5-462.5nm) 42W	C(6500K) 100W	W(2700K) 100W	RGBCW 100W
Input Voltage	CC 120-277VAC Internal driver					
THD	≤20%					
Power Factor	≥0.9					
CRI	90+					
Optics Options	90 Degree					
Ingress Protection Rating	IP65					
Certifications & Compliance	NSF Rated, UL & cUL Listed					
Dimming / Control Options	Built-In Bluetooth app controller, DMX Compatible Driver, 0-10 Dim Driver, Dali Driver					
Housing Material	Die-cast aluminum					
Operating Temp	-40°F to 122°F (-40°C to 50°C)					
Limited Warranty	5 Years					

PHOTOMETRY

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



LIGHT DISTRIBUTION TESTING PARAMETERS (6500K)

LUMINAIRE PHOTOMETRIC TEST REPORT

Test: U:120.35V I:0.8293A P:99.685W PF:0.9987 Freq:60.01Hz Lamp Flux:14671.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA		Eff: 147.18 lm/W
MODEL	Imax(cd)	8567	S/MH(C0/180)	1.17
NOMINAL POWER(W)	LOR(%)	100.0	S/MH(C90/270)	1.12
RATED VOLTAGE(V)	TOTAL FLUX(lm)	14672	η UP,DN(C0-180)	0.2,51.3
NOMINAL FLUX(lm)	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,48.4
LAMPS INSIDE	η up(%)	0.3	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	η down(%)	99.7	CIBSE SHR MAX	1.15

