

# Round High Bay



## Features

- Highly Energy Efficient -> up to 160 lm/w
- High Luminous Flux -> up to 35000 lm
- Perfectly Suitable for Industrial use due to IP65
- Space between driver housing and lamp body to prevent heat accumulation.
- D-Mark tested for the use in paper production wood processing etc.

## Options

- Optional Mean Well Driver
- 110V dimmable and DALI available
- Phillips and Nichia chips available (Standard is Phillips)
- Different covers available: Clear glass, Clear PC and PMMA lens
- Additional reflector is available
- Microwave motion sensor available
- Mounting bracket for Ceiling or Wall Installation
- Zigbee is available

## Area of application

- Factories and warehouses
- High rooms and halls
- Exhibition and Showrooms
- Barns and Stables

## Certificates

- American Market: **UL, DLC Premium, cUL**
- European Market: **TUV, GS, CB, CE (EMC, LVD, RoHS), D-Mark**
- Australian Market: **SAA, C-Tick, RCM**

## Basic Specifications

Nominal Wattages (W)	Nominal Voltage	Rated Luminous Efficiency	Nominal Luminous Flux (Lumen)	Beam Angle	LED Quality	CRI
60	AC100-277V 50-60Hz	120±5	7200±300	120°	252PCS SMD2835	>80Ra
80		120±5	9500±400		252PCS SMD2835	
100		120±5	12000±500		336PCS SMD2835	
120		120±5	14200±600		336PCS SMD2835	
150		120±5	17500±750		420PCS SMD2835	
200		120±5	24000±1000		672PCS SMD2835	
240		120±5	28000±1200		672PCS SMD2835	

## Lumen Plus (140lm-150lm/w)

Nominal Wattages (W)	Nominal Voltage	Rated Luminous Efficiency	Nominal Luminous Flux (Lumen)	Beam Angle	LED Quality	CRI
80	AC100-277V 50-60Hz	145±5	11500±500	120°	378PCS SMD2835	>80Ra
120		145±5	17500±750		588PCS SMD2835	
150		145±5	22000±900		756PCS SMD2835	
180		145±5	26000±900		756PCS SMD2835	
200		145±5	29500±1200		1008PCS SMD2835	
240		145±5	34000±1500		1008PCS SMD2835	

## Electrical Data

Operating Frequency	47-63Hz	Available Light Colours	Warm White:Natural White:Daylight White
Type of Current	AC100-277V	Available Colour Temperatures	3000K:4000K:5000K:6000K
Power Factor λ	>0.9	Colour Rendering Index Ra	>80
Efficiency in %	>92%	Standard Deviation of Colour Matching	<3
Start Time (0.2s/0.5s/...)	0.1s	UGR(Unified Glare Rating)	<27
Warm-up Time to 60%	0.5s	Available Beam Angles	120°

## Photometrical Data

## Standards & Certification

## Temperatures & Operating Conditions

Type of Protection	Ip65	Operating Temperature	20~+69°C
Tested Dielectric Strength	3.75Vac	Ambient Temperature	-30~+50°C
Safety Features	Open Circuit Protection Short Circuit Protection Overvoltage Protection	Storage Temperature	-40~+80°C
Certificates	American Market:UL,DLC Premium cUL European Market: TUV GS CB CE D Mark Australian Market SAA CtickRCM		
Energy Efficiency Class	A+ & A++		

## Lifespan

## Features/Capabilities and additional Product Data

Rated Nominal Lifetime	5 Years	Base/Socket	Directly Wired
Switching Cycles	100,000 times	Dimmable	1-10v Dimmable DALI Dimmable
Lumen Maintenance at e.o.l	70%		

## Packing Information

Dimension	CTN Size (CM)	QTY/CTN	Net Weight/pcs (kg)	Gross Weight/CTN(kg)
HBR-100W/120W	340*340*200	34*33*22	3.5	4.8
HBR-150W/180W	420*420*240	43*43*23	7	8.5
HBR-200W/240w	460*460*250	47*43*23	9	10.8