

Luxtronik



Aurora Series

HBR,HBR-L,HBP,HBB

70w-200w

Spec Sheet

Version 1.0
April 20, 2017

Luxtronik Technical Department

Aurora is the best combination of value and performance for replacing traditional metal halide highbay luminaires.

Features & Benefits

- Up to 160lm/w system efficacy
- Premium grade aluminum die cast housing and stainless steel hardware
- 60° or 120° Beam angle options
- Simple installation and maintenance
- Optional lens for narrow or wide beam patterns and glare reduction
- 0-10V or DALI Dimming options and compatible with all leading sensor brands

Applications

Designed for low or high ceiling, open space applications such as;

- Warehouses
- Logistic centers
- Production workshops
- Storage facilities
- Commercial spaces

Technical Specification

Description	Aurora LED Round Highbay Light				
Recommended Product Location	Industrial and open area lighting applications				
Model	LUX-HBR-070	LUX-HBR-090	LUX-HBR-100	LUX-HBR-150	LUX-HBR-200
Typical Luminous Flux (lm)	11,000	14,200	18,800	22,400	28,000
System Efficacy	145 lm/w	145lm/w	143lm/w	140lm/w	140lm/w
Light Distribution Options	Clear/Diffused (120°x120°)				
LED Chip Current	65-70mA				
Model Number	LUX-HBR-070L	LUX-HBR-090L	LUX-HBR-100L	LUX-HBR-150L	LUX-HBR-200L
Typical Luminous Flux (lm)	10,000	12,800	16,800	20,000	25,000
System Efficacy	130 lm/w	130lm/w	128lm/w	125lm/w	125lm/w
Light Distribution Options	Clear/Diffused (120°x120°)				
LED Chip Current	110-120mA				
Model Number	LUX-HBB-070	LUX-HBB-090	LUX-HBB-100	LUX-HBB-150	LUX-HBB-200
Typical Luminous Flux (lm)	11,000	14,200	18,800	22,400	28,000
System Efficacy	145 lm/w	145lm/w	143lm/w	140lm/w	140lm/w
Light Distribution Options	Clear (60°x60°)				
LED Chip Current	65-70mA				
Model Number	LUX-HBP-070	LUX-HBP-090	LUX-HBP-100	LUX-HBP-150	LUX-HBP-200
Typical Luminous Flux (lm)	12,300	15,800	21,200	25,600	32,000
System Efficacy	160 lm/w	160lm/w	158lm/w	155lm/w	155lm/w
Light Distribution Options	Clear/Diffused (120°x120°)				
LED Chip Current	50-55mA				

Generic Specs

LED Max Power (W)
Typical System Power (W)
Dimensions (mm)
Weight (kg)
Light Source
Correlated Colour Temperature
Colour Rendering Index
LED Junction Temp.
Driver
Dimming Control (optional)
Input Voltage Range
Power Factor
Electrical Class
Ambient Operating Temperature
Ambient Storage Temperature
Material
Optical Cover
Finish
Ingress Protection (IP)
Batch Coded
Sensor compatible
Certification

HBR / HBR-L / HBB / HBP Series

70	90	120	145	182
77	99	132	160	200
320x171	320x171	320x171	430x171	430x171
3.6	3.6	3.6	5.6	6.2
Lumileds/Osram mid-power LED				
3000K, 4000K, 5000K, 5700K, 6500K				
>70 (or >80 available)				
≤75°C (@ Ta=25°C)				
Meanwell HBG / ELG with driver box, Inventronics EUR				
1-10V, PWM, DALI				
100-305VAC 50/60Hz				
> 0.90				
Class I (or Class II available)				
-40°C to +45°C				
-25°C to +80°C				
Aluminium				
Tempered Glass				
Black powder coated (customized RAL colour available upon request)				
IP65				
Yes				
All leading motion or daylight sensors				
CE, CB, SAA, ETL				

Accessories

Sensor compatible

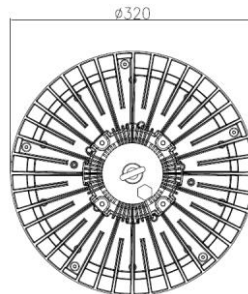
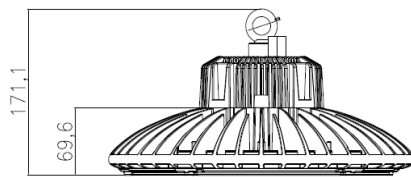
Bracket design can be custom made for different sensors (ordered separately)

Reflector

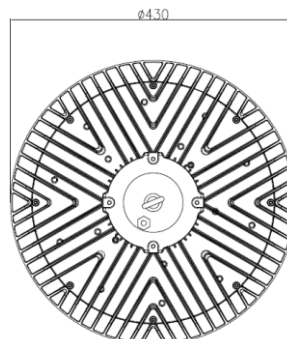
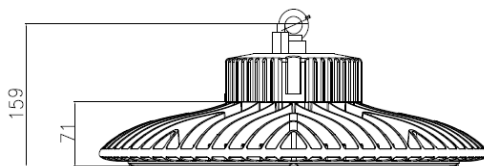
Frosted Cover

Dimensions

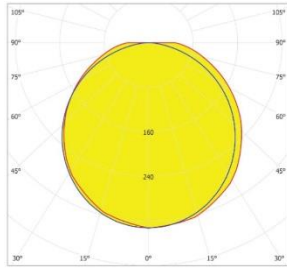
070 / 090 / 120



150 / 200



Photometrics



120°

Ordering Information

Product ID	LED Power	Color Temp	CRI	Control
HBR	070 = 70W	30K = 3000K	70 = Min 70	ND = Non-Dimmable
HBR-L	090 = 90W	40K = 4000K	80 = Min 80	VD = 0-10V Dimmable
HBB	120 = 120W	50K = 5000K		PW = PWM Dimmable
HBP	150 = 150W	57K = 5700K		DD = DALI Dimmable*
	200 = 200W	65K = 6500K		

Note: Actual performance may differ as a result of end-user environment and application. All values are typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.