

LED Flat Highbay HB-4 Series

Utilizing a new form factor, the HB-4 Series High Bay is the next evolution in our line of dedicated LED highbay luminaires. The slimline design is lightweight yet remarkably strong which allows for huge cost savings in shipments and handling. Equipped with Lumileds or Osram LEDs, HB-4 can produce more than 35,000 lumens making it one of the most compact and efficient IP65 LED bay lights in the market, designed for optimal performance in high ceiling and open space applications.



130lm/w system efficacy



Applications

Ideal for Warehouses, Production facilities, Industrial spaces, cold storage areas and more

Optional Corrosion-resistant coating available for hostile environments

Optimized for the emerging smart highbay market and designed to fit with all leading sensor brands HBSeries-4 is available with a full range of outputs from 5,200 to 31,000 lumens.

Features & Benefits

- Up to 135lm/w system efficacy
- Premium grade aluminum die cast housing and stainless steel hardware
- High performance thermal management design ensures low LED junction temperature with high lumen maintenance
- Simple installation and maintenance
- <25 UGR up to 200w with recess
- Central balanced mounting for all leading 0-10v or DALI compatible 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
Recommended Product Location

LED Highbay Light (HBSeries-4)
Industrial and open area lighting applications

Model	HBS4-040	HBS4-050	HBS4-060	HBS4-070	HBS4-090	HBS4-120	HBS4-150	HBS4-200	HBS4-240
LED Max Power (W)	40	50	60	70	90	120	145	182	220
Typical System Power (W)	44	55	66	77	99	132	160	200	242
Typical Luminous Flux (lm)	6,200	7,700	9,200	10,800	13,800	18,200	22,000	27,200	33,000
System Efficacy	140lm/w	140lm/w	140lm/w	140lm/w	140lm/w	138lm/w	136lm/w	136lm/w	136lm/w
Dimensions (mm)	201x160	201x160	201x160	326x205	326x205	326x205	326x205	426x209	426x209
Weight (kg)	1.8	1.8	1.8	4.5	4.5	4.7	5.7	7.2	7.6

Light Source
Correlated Colour Temperature
Colour Rendering Index
LED Junction Temp.
LED Chip Current
Light Distribution options
Driver
Input Voltage Range
Power Factor
Electrical Class
Dimming Control (optional)
Ambient Operating Temperature
Ambient Storage Temperature
Material
Optical Cover
Finish
Ingress Protection (IP)
Batch Coded
Sensor compatible
Certification

Lumileds/Osram mid-power LED
3000K, 4000K, 5000K, 5700K, 6500K
>70 (or >80 available)
≤75°C (@ Ta=25°C)
50-55mA
Clear 100°x100°, Diffused 120°x120°
Meanwell
100-305VAC 50/60Hz
> 0.90
Class I
0-10V, PWM, DALI
-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

Optimized for the emerging smart highbay market and designed to fit with all leading sensor brands HB series-3 is available with a full range of outputs from 5,200 to 31,000 lumens.

Features & Benefits

- Up to 135lm/w system efficacy
- Premium grade aluminum die cast housing and stainless steel hardware
- High performance thermal management design ensures low LED junction temperature with high lumen maintenance
- Simple installation and maintenance
- <25 UGR up to 200w with recess
- Central balanced mounting for all leading 0-10v or DALI compatible 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		HBRS3-070	HBRS3-090	HBRS3-100	HBRS3-150	HBRS3-200
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		HBRS3-070L	HBRS3-090L	HBRS3-100L	HBRS3-150L	HBRS3-200L
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		HBBS3-070	HBBS3-090	HBBS3-100	HBBS3-150	HBBS3-200
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		HBPS3-070	HBPS3-090	HBPS3-100	HBPS3-150	HBPS3-200
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

High bay S3 Series

	70	90	120	145	182
LED Max Power (W)	70	90	120	145	182
Typical System Power (W)	77	99	132	160	200
Dimensions (mm)	320x171	320x171	320x171	430x171	430x171
Weight (kg)	3.6	3.6	3.6	5.6	6.2
Light Source	Lumileds/Osram mid-power LED				
Correlated Colour Temperature	3000K, 4000K, 5000K, 5700K, 6500K				
Colour Rendering Index	>70 (or >80 available)				
LED Junction Temp.	≤75°C (@ Ta=25°C)				
Driver	Meanwell HBG / ELG with driver box, Inventronics EUR				
Dimming Control (optional)	1-10V, PWM, DALI				
Input Voltage Range	100-305VAC 50/60Hz				
Power Factor	> 0.90				
Electrical Class	Class I (or Class II available)				
Ambient Operating Temperature	-40°C to +45°C				
Ambient Storage Temperature	-25°C to +80°C				
Material	Aluminium				
Optical Cover	Tempered Glass				
Finish	Black powder coated (customized RAL colour available upon request)				
Ingress Protection (IP)	IP65				
Batch Coded	Yes				
Sensor compatible	All leading motion or daylight sensors				
Certification	CE, CB, SAA, ETL				

Accessories

Sensor compatible

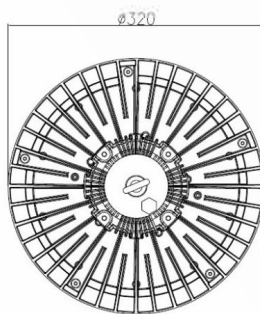
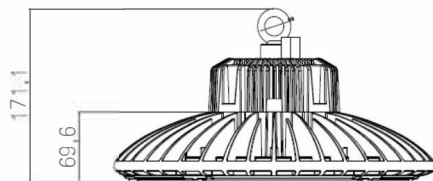
Bracket design can be custom made for different sensors (ordered separately)

Reflector

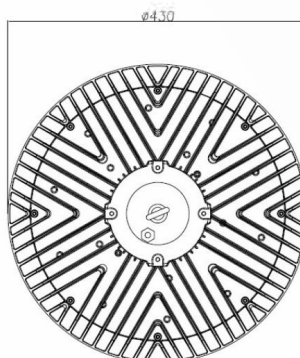
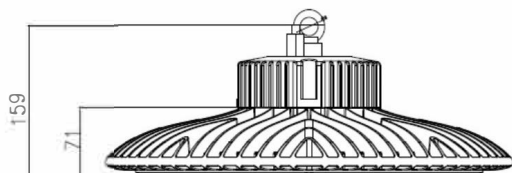
Frosted Cover

Dimensions

070 / 090 / 120



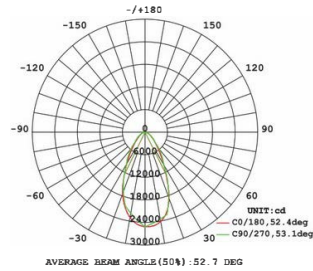
150 / 200



High Bay Series-3E



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



32.61ft	14.40, 23.35ft	32.28ft
10m	157.1, 251.3lx	983.69cm
65.42ft	3.649, 5.837ft	64.56ft
20m	39.28, 62.83lx	1967.78cm
98.43ft	1.622, 2.594ft	96.84ft
30m	17.46, 27.92lx	2951.68cm
131.2ft	0.9122, 1.459ft	129.1ft
40m	2.839, 4.511lx	3335.57cm
164ft	0.5838, 0.9338ft	161.4ft
50m	6.284, 10.05lx	4919.46cm

Features:

- Modern design, light weight, easy installation
- Meanwell driver, PF>0.9, long life span up to 50,000 hours
- Philips LED, high efficiency up to 130lm / W, CRI>80
- Cold Forging housing, pure aluminum, perfect heat dissipation
- Available with 60°/90°/120° beam angle
- Environment friendly and no air pollution
- IP65, suitable for both indoor and outdoor lighting
- Available with 100W / 150W / 200W / 240W
- 5 years warranty

Applications :

Ideal for commercial or industrial lighting, eg: warehouse, supermarkets, furniture store, gyms, garages, general task areas, and many other applications.



Power	100W	150W	200W	240W
Lumen	13000lm	19500lm	26000lm	31200lm
Voltage	AC90-305V	AC90-305V	AC90-305V	AC90-305V
LED Type	3030 SMD	3030 SMD	3030 SMD	3030 SMD
LED Qty	168pcs	196 pcs	238 pcs	238pcs
CRI	>80	>80	>80	>80
Beam Angle	60° /90° /120°	60° /90° /120°	60° /90° /120°	60° /90° /120°
Diameter	200mm	260mm	320mm	320mm
Operating Temp	-30°C ~ +45°C	-30°C ~ +45°C	-30°C ~ +45°C	-30°C ~ +45°C
IP Rating	IP65	IP65	IP65	IP65
Net Weight	2.7Kg	3.8Kg	5.3Kg	5.3Kg
Packing Size	25X25X22cm	31X31X23cm	38X38X24cm	38X38X24cm
Life Time	50000 Hours	50000 Hours	50000 Hours	50000 Hours
Warranty	5 years	5 years	5 years	5 years

