

100W High Bay III Datasheet



Features :

- Solid State Lighting Technology
- Indoor Lighting
- Superior Light Quality
- Low Power Requirement & Energy Efficient
- Long Life-Time warranty 3 years
- IP65 for AL Reflector

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General Information

Introduction

The 100W High Bay III is typically used in industrial applications. The features of high brightness and superior light quality make 100W High Bay III a better solution for low/high ceiling applications.

The appearance of 100W high bay III is similar to traditional high bay, but it saves more energy and has lower light depreciation rates which can decrease the power consumption and maintenance costs.

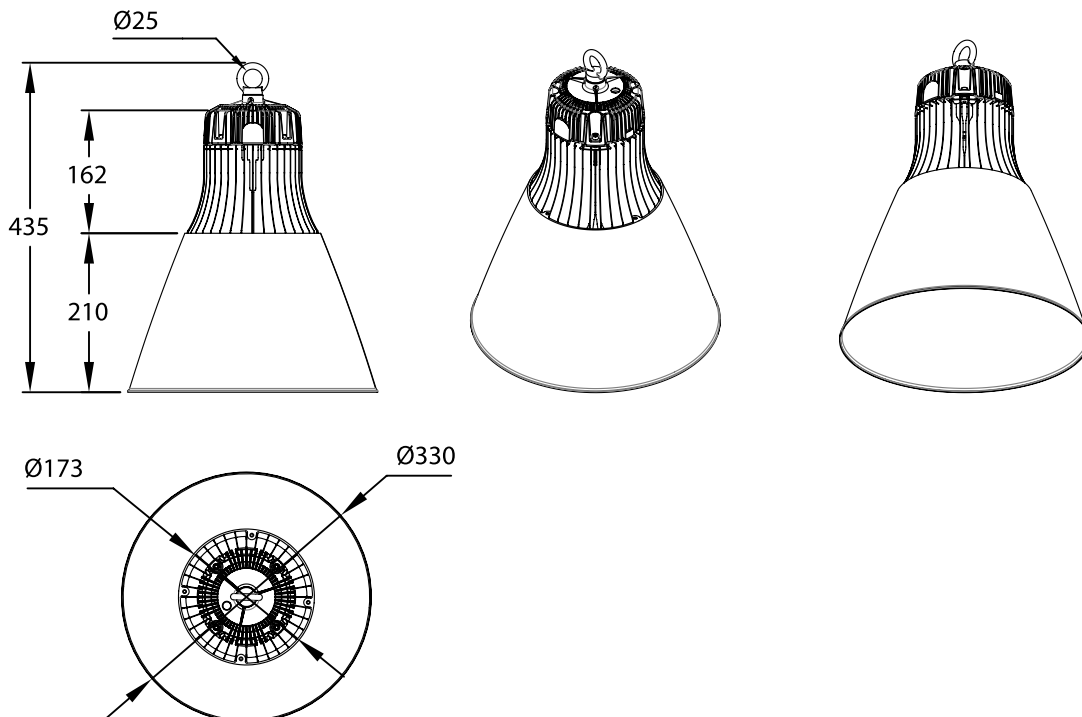
Without complicated installation and too much limited condition, Edison 100W High Bay III provides a great lighting solution for industrial lighting, large outlet, gymnasiums and other indoor lighting.

Product Dimensions

High Bay III with AL Reflector (IP65)

Unit: mm

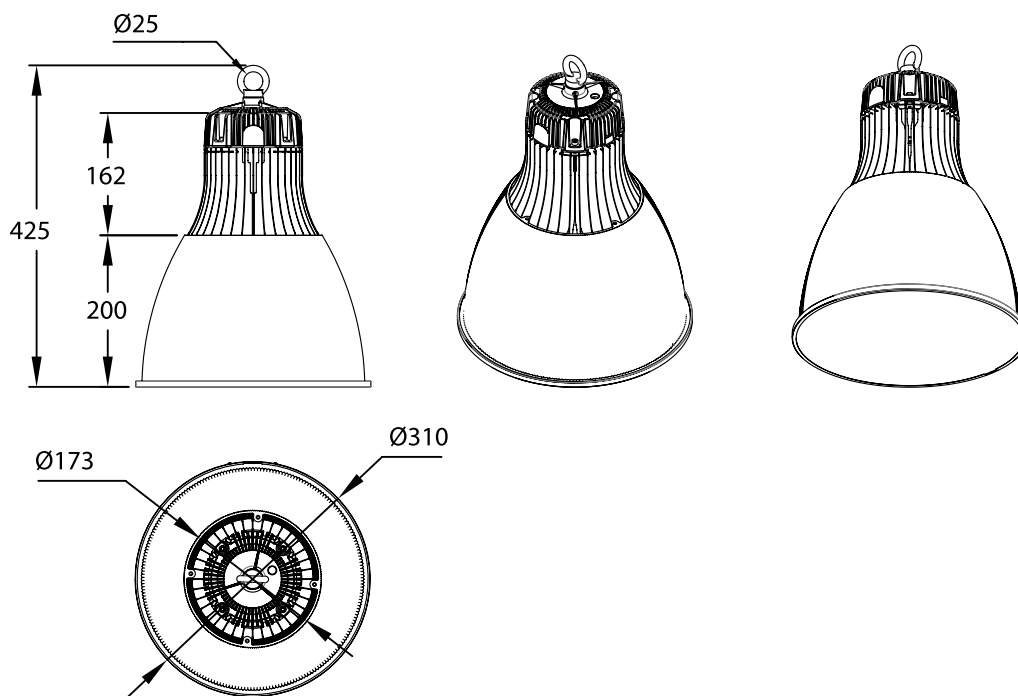
Tolerance: ± 5 mm



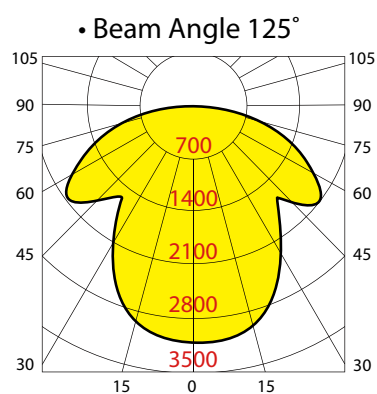
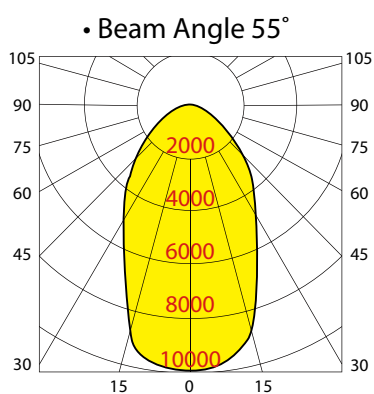
High Bay III with PC Reflector

Unit: mm

Tolerance: ± 5 mm



Light Patterns



Product Information

Product Type	Product Order Code
100W High Bay III	7-HB05-01

Product Specification									
WATT		COLOR		ANGLE		DRIVER		EMITTER	
Code	Type	Code	Type	Code	Type	Code	Type	Code	Type
A0	100W	53	CW (5300K)	5	50~59 (AL)	8	Internal Driver AC 100V~277V	R06	Federal
		40	NW (4000K)	F	> 70 (PC)				
		30	WW (3000K)						

Product Specification	
REFLECTOR	
Code	Type
2	12" PC reflector
7	13" Aluminum reflector

Note:

Available selection of color, angle, and reflector.

Technical Data

Parameter	Symbol	Rating / Value	Units
Power Consumption	--	100	W
Color Temperature	--	5300/4000/3000	K
Color	--	Cool White Neutral White Warm White	--
Beam Angle (AL Reflector)	--	55°	Degree
Field Angle	--	95°	
Beam Angle (PC Reflector)	--	125°	
Field Angle	--	175°	
CRI	--	CW- 68 NW- 75 WW- 80	--
Weight	--	2.7±0.5	kg
Operating Temperature	T _{opr}	-20 ~ +40	°C
Storage Temperature	T _{stg}	-20 ~ +60	°C
AC Input Voltage	V	100~277	V

Notes:

1. Power consumption has 10% tolerance.
2. The operating temperature is based on the ambient temperature to the heatsink in 5 cm distance.
3. When the operating temperature over 50°C the driver OTV will be activation, the high bay will be flicker.

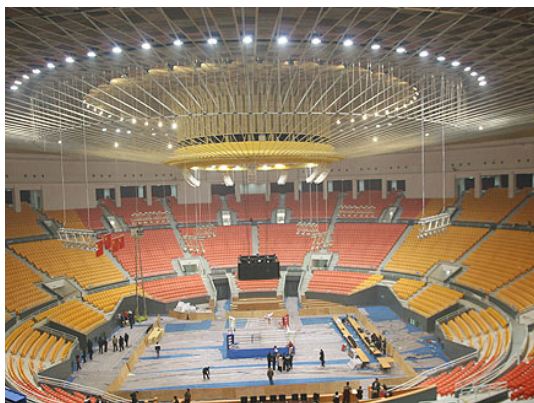
Power Consumption (W)	Beam Angle	Color	Flux(lm) (Typ.)	Lux@ 2m (Typ.)	Lux@ 4m (Typ.)	Lux@ 6m (Typ.)	Lux@ 8m (Typ.)
100W	55°	Cool White	10000	4250	1063	472	266
		Neutral White	9000	3825	956	425	239
		Warm White	7000	2975	744	331	186
	125°	Cool White	10000	750	188	83	47
		Neutral White	9000	675	168	75	42
		Warm White	7000	525	131	58	33

Notes :

1. Angle has ± 5° tolerance.
2. Flux is measured with an accuracy of ± 10%.
3. Flux will decay 10% under thermal balance condition.

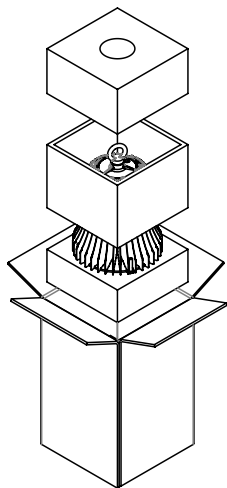
Applications

Edison 100W High Bay III can produce an intense light in a certain area. It can be easily installed and replace the traditional high bay lighting in warehouse, factory, gymnasium, large outlet, and etc.

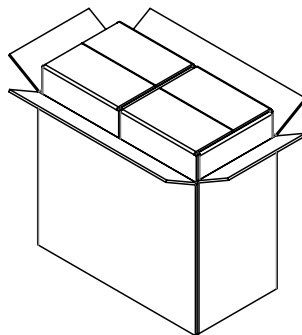


Package Information

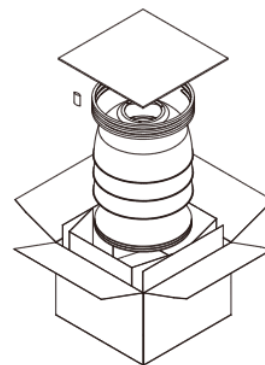
100W High Bay III with Reflector



Heatsink package



2pcs package



Reflector package

Notes:

1. 1pc package of heatsink length version : 220mm(width)*220mm(length)*370mm(height)
2. 2pcs package of heatsink length version : 230mm(width)*460mm(length)*390mm(height)
3. 3 pcs Reflector Package : 355mm(width)*355mm(length)*330mm(height)
5 pcs Reflector Package : 355mm(width)*355mm(length)*390mm(height)

Revision History

Versions	Description	Release Date
1	Establish order code information	2014/04/02
2	Revise Package information	2014/04/24
3	Revsie the value of typ. Lux	2014/05/23
4	Update Package information	2014/06/05

About Edison Opto

Edison Opto is a leading manufacturer of high power LED and a solution provider experienced in LDMS. LDMS is an integrated program derived from the four essential technologies in LED lighting applications- Thermal Management, Electrical Scheme, Mechanical Refinement, Optical Optimization, to provide customer with various LED components and modules. More Information about the company and our products can be found at www.edison-opto.com

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www.edison-opto.com

For general assistance please contact:
service@edison-opto.com.tw

For technical assistance please contact:
LED.Detective@edison-opto.com.tw