

150W High Bay

DATASHEET



Features :

- Industrial Lighting
- High Efficiency
- 3 years long Life-Time warranty
- IP65 for AL Reflector

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General Information

Introduction

The 150W High Bay is an industrial lighting based on high brightness and superior light quality by Edison Opto. The product is designed as an energy saving lighting which brings lower power consumption and offers a great traditional high bay replacement.

Moreover, Edison 150W High Bay can produce an intense light in a certain area. It also makes a better solution for a variety ceiling installation, such as warehouse, factory, gymnasium, large outlet, etc.



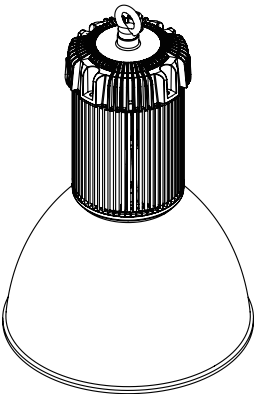
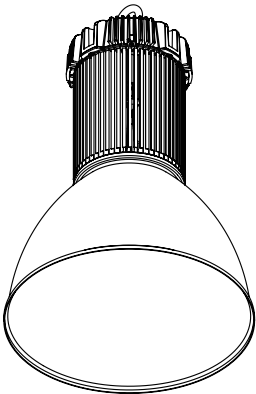
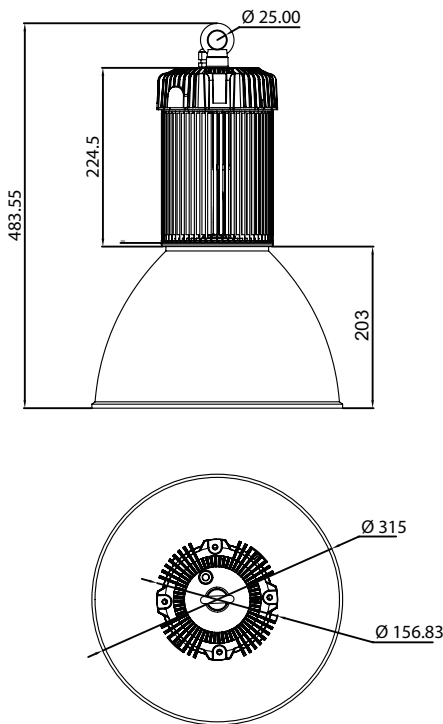
150W High Bay

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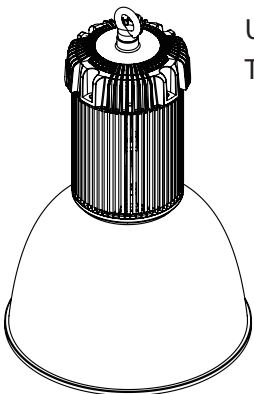
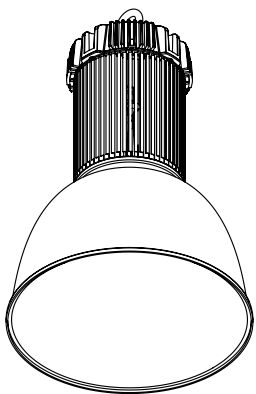
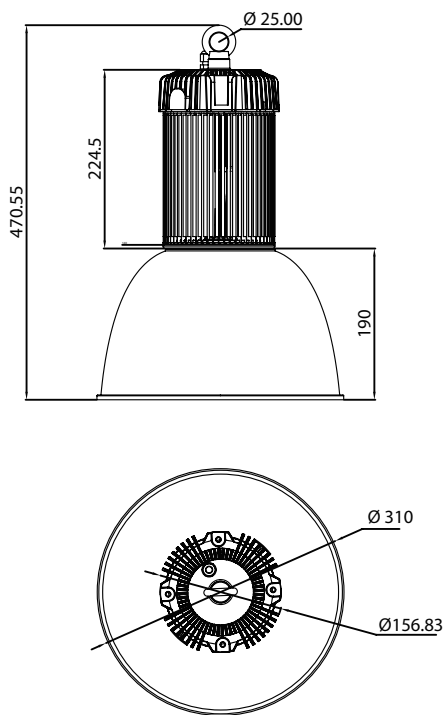
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Product Dimensions

Unit: mm
Tolerance: ±5 mm



150W High Bay with AL Reflector (IP65)



Unit: mm
Tolerance: ±5 mm

150W High Bay with PC Reflector

Product Information

Product Type	Product Order Code
150W High Bay	7-HB03-02

Product Specification									
WATT		COLOR		ANGLE		DRIVER		EMITTER	
Code	Type	Code	Type	Code	Type	Code	Type	Code	Type
A5	150W	60	CW (6,000K)	4	40~49 (AL)	8	Internal Driver AC 100V~277V	HSD	High standrad
		53	CW (5,300K)	6	60~69 (AL)	9	Internal Driver AC 100V~277V Dimming		
		40	NW (4,000K)	F	> 70 (PC)				
		30	WW (3,000K)						

Product Specification			
REFLECTOR		SAFETY	
Code	Type	Code	Type
2	12" PC reflector	1	CE
5	12" Aluminum reflector	2	PSE
		3	UL

Notes:

1. Available selection of color, beam angle and safety.
2. 12" PC reflector only choose CE(Safety).
3. Dimming Driver only choose CE(Safety).

Technical Data

Parameter	Rating / Value	Units
Power Consumption	150	W
Color Temperature	6,000/ 5,300/ 4,000/ 3,000	K
Beam Angle	(AL Reflector) 40°/60° (PC Reflector) 70°	Degree
CRI	6,000K: 70 (Typ.) 5,300K: 68 (Typ.) 4,000K: 75 (Typ.) 3,000K: 80 (Typ.)	--
Weight	3.4±0.5	kg
Operating Temperature	-20 ~ +40	°C
Storage Temperature	-20 ~ +60	°C
AC Input Voltage	100~277	V

Notes:

1. Power consumption has ±10% tolerance.
2. Color rendering index (CRI) Tolerance: ±3
3. The operating temperature is based on the ambient temperature to the heatsink in 5 cm distance.
4. When the operating temperature over 50°C the driver OTV will be activation, the high bay will be flicker.
5. Life span warranty when the product is working at suggested operating temperture.

Technical Data

Power Consumption (W)	Beam Angle	CCT	Flux(lm) (Typ.)	Lux@ 4m (Typ.)	Lux@ 6m (Typ.)	Lux@ 8m (Typ.)	Lux@ 10m (Typ.)
150W	40°	6000K	14500	2465	1095	610	395
		5300K	15000	2500	1110	620	400
		4000K	13000	1950	866	487	312
		3000K	11000	1580	700	390	250
	60°	6000K	14500	954	423	237	153
		5300K	15000	970	430	240	156
		4000K	13000	868	386	217	140
		3000K	11000	800	350	200	129
	70°	6000K	12500	590	263	147	94
		5300K	13000	600	266	150	96
		4000K	11300	480	210	120	78
		3000K	9400	290	130	70	46

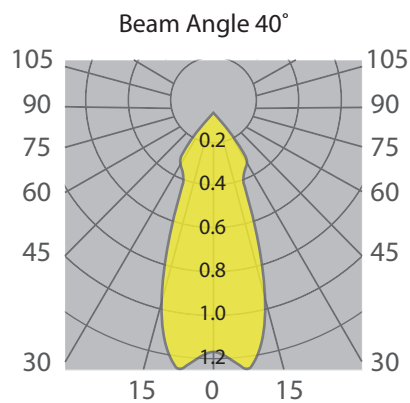
Notes :

1. Angle has $\pm 5^\circ$ tolerance.
2. Flux is measured with an accuracy of $\pm 10\%$.
3. Flux will decay 10% under thermal balance condition.

Light Patterns

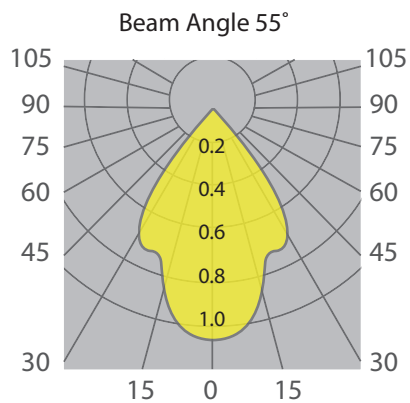
Beam Angle 40°

Lux (Typ.)	6000K	5300K	4000K	3000K
4m	2465	2500	1950	1580
6m	1095	1110	866	700
8m	610	620	487	390
10m	395	400	312	250



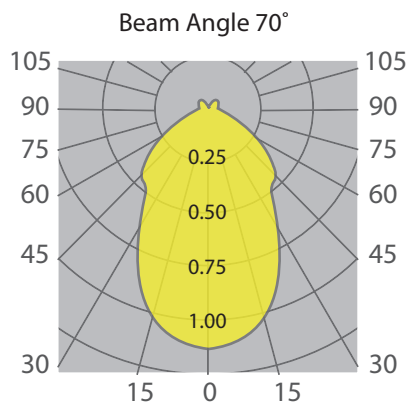
Beam Angle 60°

Lux (Typ.)	6000K	5300K	4000K	3000K
4m	954	970	868	800
6m	423	430	386	350
8m	237	240	217	200
10m	153	156	140	129



Beam Angle 70°

Lux (Typ.)	6000K	5300K	4000K	3000K
4m	590	600	480	290
6m	263	266	210	130
8m	147	150	120	70
10m	94	96	78	46



Applications

Industrial & Warehouse
Hypermarkets
Gymnasium
Airport
Auto Dealership
Recreation & Public Venues



Product Safety



WARNING

Risk of Electrical Shock, Injury, and damage

- ✓ Disconnect or turn off power before servicing or installing luminaire.
- ✓ Do NOT hot swap! LED heat sink module must not to be disconnected with line power on failure to do so may damage product.
- ✓ Installation of LED product needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- ✓ LED fixtures must be powered directly off a switched circuit. Do NOT connect this luminaire directly to a timer, dimmer, sensor or other related control device.
- ✓ All wiring connections should be capped with UL approved recognized wire connectors.
- ✓ The luminaire is intended for indoor applications and please do not operate under the ambient of high salinity or high temperature. Roofs or other covers are required when installed in semi-outdoor.
- ✓ The LED module itself and all its components must not be mechanically stressed.
- ✓ Assembly must not damage or destroy conducting paths on the circuit board.
- ✓ Be aware of, the product is intended for indoor application and must keep away from any chemicals.

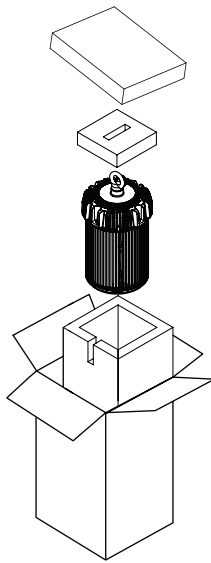


CAUTION

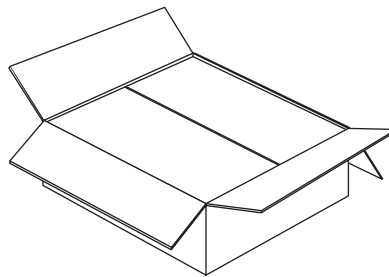
- ✓ Avoid direct eye exposure to the light source while it is on.
- ✓ Wear safety glasses and gloves during installation and servicing.
- ✓ To prevent damage, lift and move the high bay carefully to avoid dropping or falling.
- ✓ Allow lamp/fixture to cool before handling. Do NOT touch enclosure or light source.
- ✓ Follow all manufacturers' warnings, recommendations and restrictions for : driver type, burning position, mounting location/methods, and replacement.

Package Information

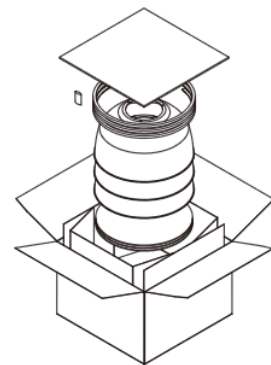
150W High Bay with Reflector



Heatsink package



2pcs package



Reflector package

Notes:

1. 1pc package of heatsink length version :225mm(width)*225mm(length)*465mm(height)
2. 2pcs package of heatsink length version : 470mm(width)*490mm(length)*250mm(height)
3. Reflector Package : 350mm(width)*350mm(length)*290mm(height)
(Reflector Package contains 3 pcs 12" reflectors)

Revision History

Versions	Description	Release Date
1	Establish order code information	2012/11/28
2	Update the information	2013/04/24
3	Update the Technical Data	2013/08/07
4	Add information of the Beam angle 40°	2013/09/26
5	Revise the technical data	2013/10/07
6	Update product specification	2013/11/04
7	1. Revise the dimension of PC reflector 2. Update technical data 3. Add color code of specification	2013/12/16
8	1. Establish a new version 2. Revise application 3. Update Light patterns	2014/08/25
9	Update CRI	2015/01/14

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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