

140W High Bay-DLC

DATASHEET



Features :

- Industrial Lighting
- High Efficiency
- 5 years long Life-Time warranty
- IP65 Waterproof

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General Information

Introduction

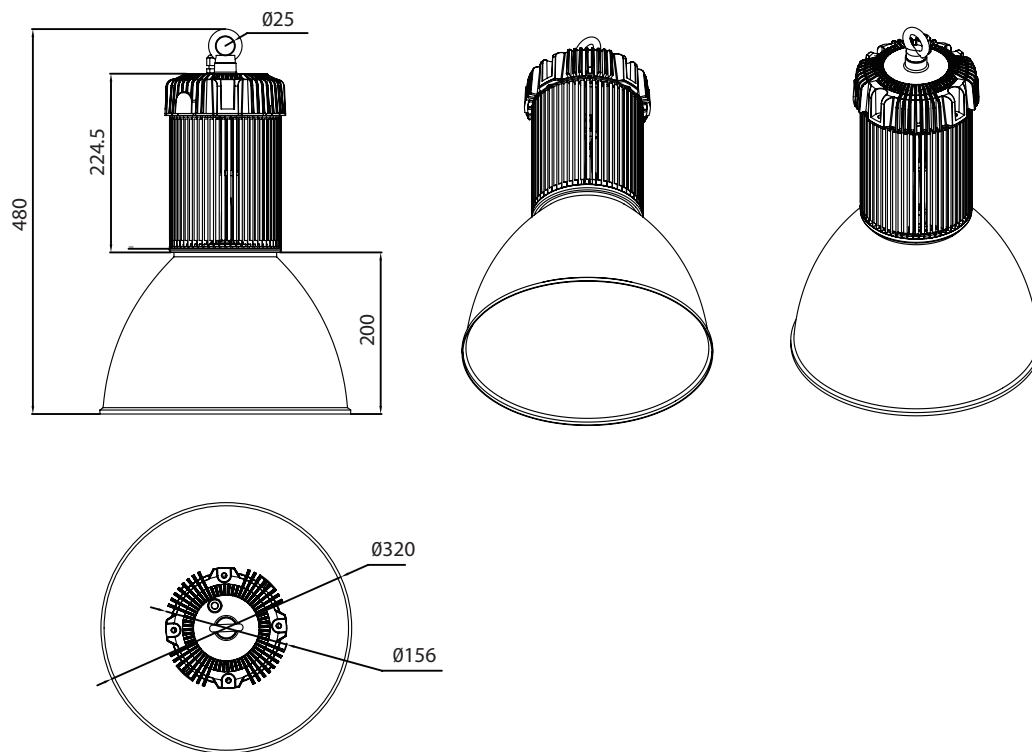
The 140W High Bay is an industrial lighting with DLC and UL standers. The features of high brightness and superior light quality make 140W High Bay a better solution for low/high ceiling applications.

Edison 140W High Bay is ideal for energy saving and has lower light depreciation rates which can decrease the power consumption and maintenance costs. Moreover, the product also makes a better solution for a variety ceiling installation, such as warehouse, factory, gymnasium, large outlet, etc.

Product Dimensions

Unit: mm

Tolerance: ± 5 mm



140W High Bay-DLC with AL Reflector (IP6)

140W High Bay-DLC

DATASHEET

www.edison-opto.com

Product Information

7 HB0303 xx 6 8 xx xxx
X1 X2-X7 X8-X9 X10 X11 X12-X13 X14-X16

| X1 | X2-X7 | X8-X9 | X10 | X11 | X12-X13 | X14-X16 |
|------|----------------------|--|-----------|------------|----------------------|---------------|
| Type | Series | Color Temperature | Angle | Driver | CRI | Serial Number |
| 7 | SSLs HB0303 High Bay | 57 5700K 50 5000K 40 4000K 30 3000K | 6 60°~69° | 8 100-277V | 70 CRI70 80 CRI80 | - - |

| Order Code | Color | CCT | CRI |
|------------------|---------------|-------|-----|
| 7HB0303576870001 | Cool White | 5,700 | 70 |
| 7HB0303506880001 | Cool White | 5,000 | 80 |
| 7HB0303406880001 | Neutral White | 4,000 | 80 |
| 7HB0303306880001 | Warm White | 3,000 | 80 |



Technical Data

| Parameter | Rating / Value | Units |
|-----------------------|--|--------|
| Power Consumption | 140 | W |
| Color Temperature | 5,700/ 5,000/ 4,000/ 3,000 | K |
| Beam Angle | 65° | Degree |
| Field Angle | 85° | |
| CRI | 5,700K ≥ 70 5,000K ≥ 80 4,000K ≥ 80 3,000K ≥ 80 | -- |
| Weight | 3.4±0.5 | kg |
| Operating Temperature | -20 ~ +40 | °C |
| Storage Temperature | -20 ~ +60 | °C |
| AC Input Voltage | 100~277 | V |
| Lifetime | 50,000 | hrs |

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.

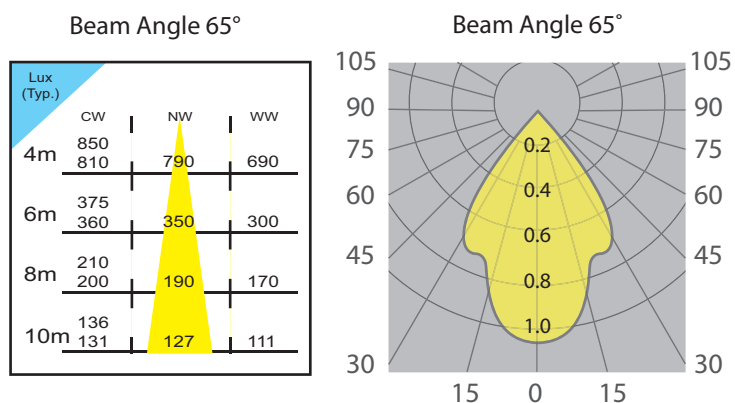
Technical Data

| Power Consumption (W) | Beam Angle | CCT | Flux(lm) (Typ.) | Lux@ 4m (Typ.) | Lux@ 6m (Typ.) | Lux@ 8m (Typ.) | Lux@ 10m (Typ.) |
|-----------------------|------------|--------|--------------------|-------------------|-------------------|-------------------|--------------------|
| 140W | 65° | 5,700K | 14,300 | 850 | 375 | 210 | 136 |
| | | 5,000K | 13,000 | 810 | 360 | 200 | 131 |
| | | 4,000K | 12,000 | 790 | 350 | 190 | 127 |
| | | 3,000K | 11,300 | 690 | 300 | 170 | 111 |

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 Pattern



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.

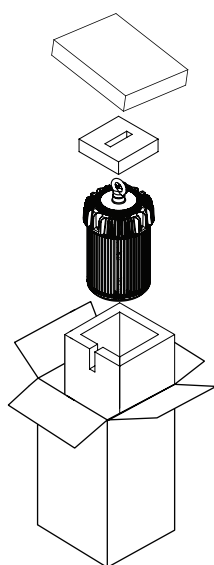


CAUTION

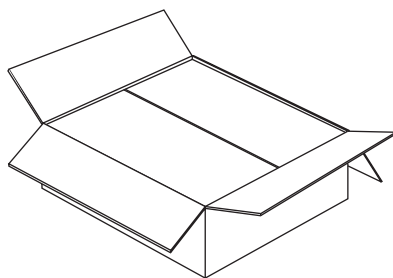
- √ Avoid direct eye exposure to the light source while it is on.
- √ Wear safety glasses and gloves during installation and servicing.
- √ To prevent damage, lift and move the high bay carefully to avoid dropping or falling.
- √ Allow lamp/fixture to cool before handling. Do NOT touch enclosure or light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

Package Information

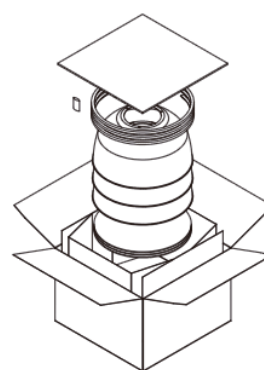
140W High Bay-DLC with Reflector



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 | 2014/04/11 |
| 2 | 1. Establish a new version 2. Revise technical data & application | 2014/08/25 |

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

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