YIGEDA Yigeda Lighting Ltd.

# LED 300W High Bay

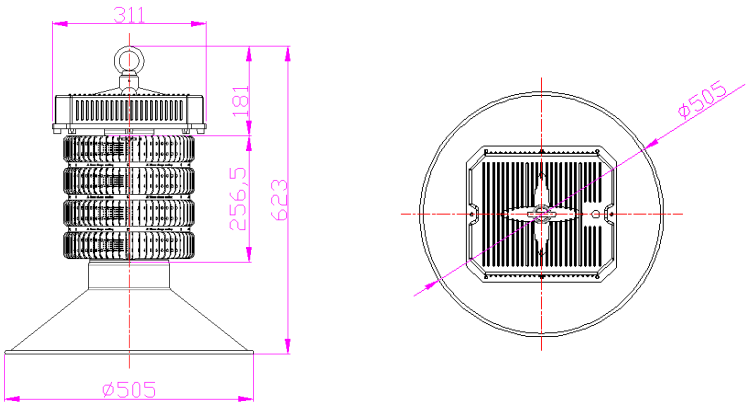
## Product Description

- CREE LED, high luminous efficiency
- Consumes 300W only and saves at least 50% energy
- More than 50,000hrs long lifetime, last 20 times longer
- Limited 10 years warranty (find details on our website)
- Excellent lampshade design; greatly improve the light utilization and eveness. Flexible lampshade choice: G,E,F,H
- The hook card embedded installation, easy to install, safe and firm and hook choice from: H1, H2, H3
- cUL, CE listed, FCC, RoHS compliant
- Ideal use for warehouse, parking lot, etc

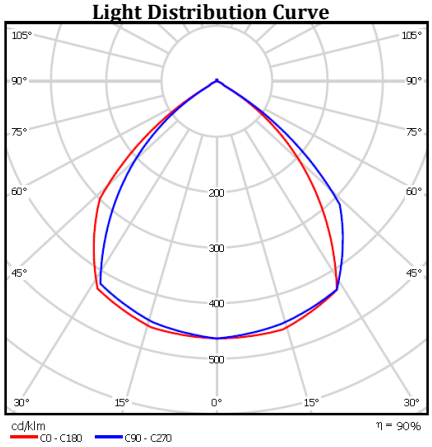
## Optical Parameter

Unit: mm

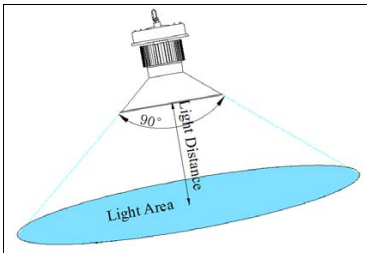
**Product Dimension**




**Light Distribution Curve**




**Irradiation Area**




| Distance | Area | Illumination |
|---|---|---|
| 8M | Φ16.0M（200m²） | 504.0LX |
| 10M | Φ20.0M（314m²） | 330.0LX |
| 12M | Φ24.0M（452m²） | 225.0LX |
| 14M | Φ28.0M（615m²） | 151.0LX |
| 16M | Φ32.0M（803m²） | 102.0LX |

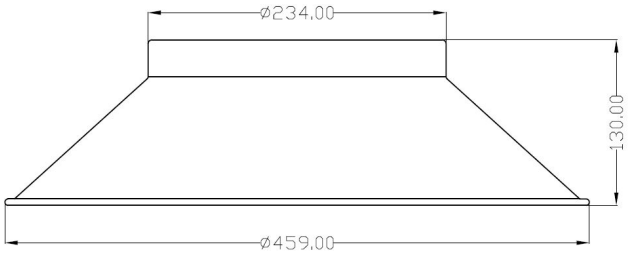
## Product Details

| Ordering Code | Input Voltage(VAC) | Lamp shade | Wattage (W) | CCT | Beam Angle | Initial Lumens(lm) | Rated Life(hrs.) | Equivalent | CRI | Power Factor | Certificate |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 300N10045 | 100-277 | G,E,F,H | 300W | 3500-6500 | 45 | 27000 | 50,000 | 700W | 75 | 0.96 | UL,CE,RoHS |
| 300N10080 | 100-277 | G,E,F,H | 300W | 3500-6500 | 80 | 27000 | 50,000 | 700W | 75 | 0.96 | UL,CE,RoHS |
| 300N100120 | 100-277 | G,E,F,H | 300W | 3500-6500 | 120 | 27000 | 50,000 | 700W | 75 | 0.96 | UL,CE,RoHS |
| 300N48045 | 480 | G,E,F,H | 300W | 3500-6500 | 45 | 27000 | 50,000 | 700W | 75 | 0.96 | UL,CE,RoHS |
| 300N48080 | 480 | G,E,F,H | 300W | 3500-6500 | 80 | 27000 | 50,000 | 700W | 75 | 0.96 | UL,CE,RoHS |
| 300N480120 | 480 | G,E,F,H | 300W | 3500-6500 | 120 | 27000 | 50,000 | 700W | 75 | 0.96 | UL,CE,RoHS |

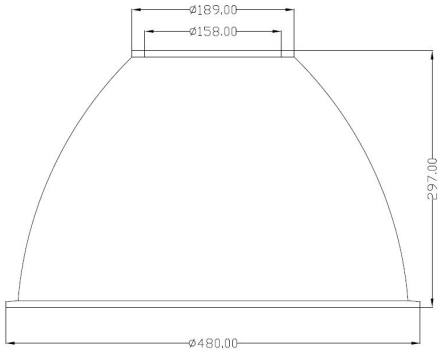


Tel: +1 604-620-8688 Fax: +1 604-620-8665
Add: 1910-1030 W. Georgia St, Vancouver, B.C., Canada.

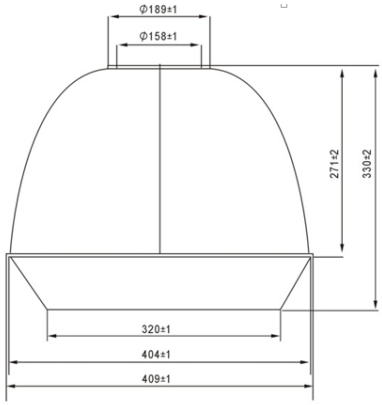
## Optional Lampshade



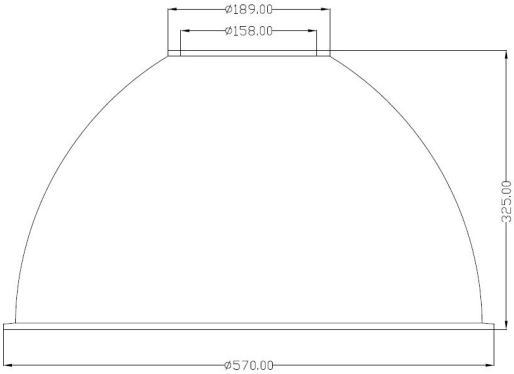
Lampshade G



Lampshade E



Lampshade F



Lampshade H

## Energy Efficiency

| | Estimated Lighting Costs Using a Standard 850W High Bay | Estimated Lighting Costs Using a Yigeda LED 300W High Bay |
|---|---|---|
| Present Wattage | 850W | 300W |
| x Annual Operating Hours | 3650 hrs | 3650 hrs |
| | = 3,102,500 Watts per year | = 1,095,000 Watts per year |
| ÷ 1,000 | = 3102.5kWh per year | = 1,095 kWh per year |
| × kWh rate ($0.10) | = $310.25per year | = $109.5per year |
| × 100 lamps per space | = $31,025 annual energy cost per space | = $10.950annual energy cost per space |
| **Total Estimated Annual Energy Cost Saving Per Year** | **= $20,075** | |

This energy saving example shows an application of 100 lamps in a space currently using a 850W traditional high bay and Yigeda LED 300W High bay, operating 3,650 hours per year (10 hours per day) at a cost of $0.10 per kWh.

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