

## 26000 Lm High Bay Spec Sheet

### HY Series



IP66



P/N	HY300X-001*
Picture	
Rated Lumen**	26000 lm (Measured value:26498 lm)
Rated Voltage	100~240V, 50/60HZ
Power Factor	>0.9
Lighting Efficacy**	84.8 lm/W
Rated Power	300W
Color Temp	5000K / 3000K
CRI	>80, R9>0
Beam Angle	20° / 45° / 60° / 90° / 100°
Central lux@6500K (1M/2M/3M)	141808Lx/35452Lx/15757Lx
Dimension(±2mm)	Φ367x459(H)
Weight(±5%)	8855g

\* X Can be replaced by C:5000K/ W:3000K.

\*\*The value is measured at 5000K and 20°.



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# Introduction

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【 HY300】 26000Lm LED Out-Door high-bay is a revolutionary product, its efficacy and powered by Meanwell(HLG) provides a better energy saving solution, longer product life time, and good stability(IP66) in out-door environment.

HY300 series includes five optional beam angles (20°, 45°, 60°, 90°, and 100°) for different purposes.

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## Features

1. Using high efficacy LED module.
2. Higher color rendering, CRI>80 with R9>0.
3. Meet RoHS standards.
4. Easy to install.
5. Optional beam angles to meet different requests.

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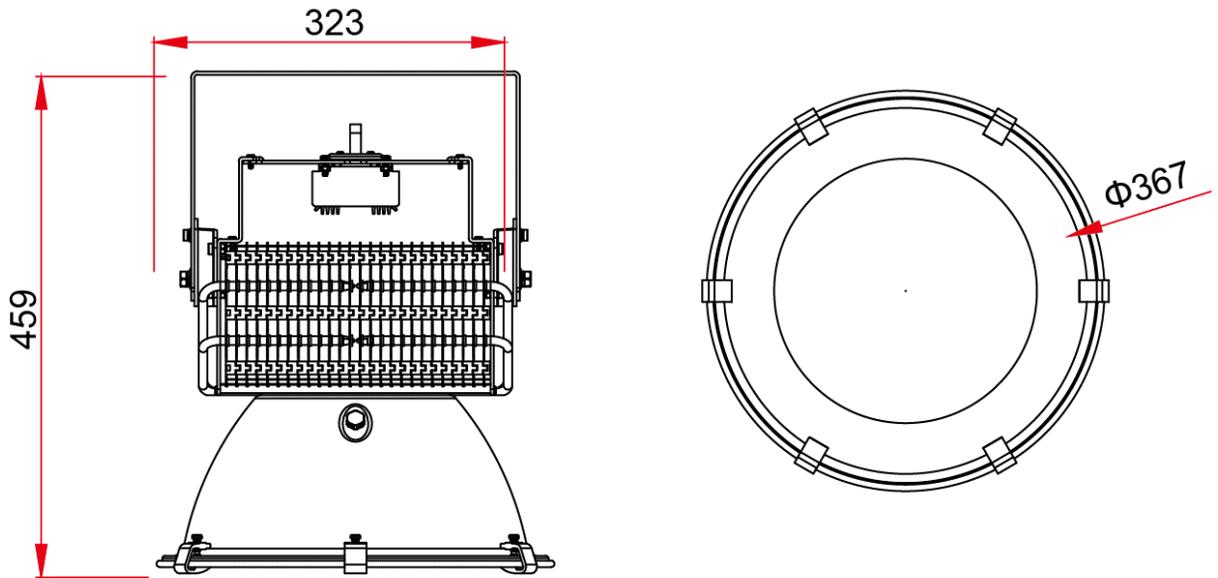
## Application

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1. High mast lighting.
2. Port lighting.
3. Out-door stadium lighting.
4. Billboard lighting.



# Dimension

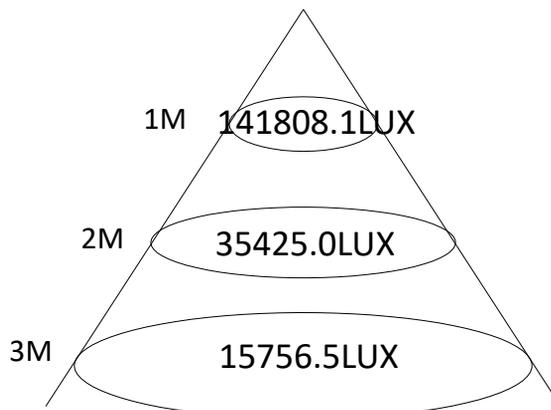


unit : mm

# Photometry

Central Lux 5000K@220V

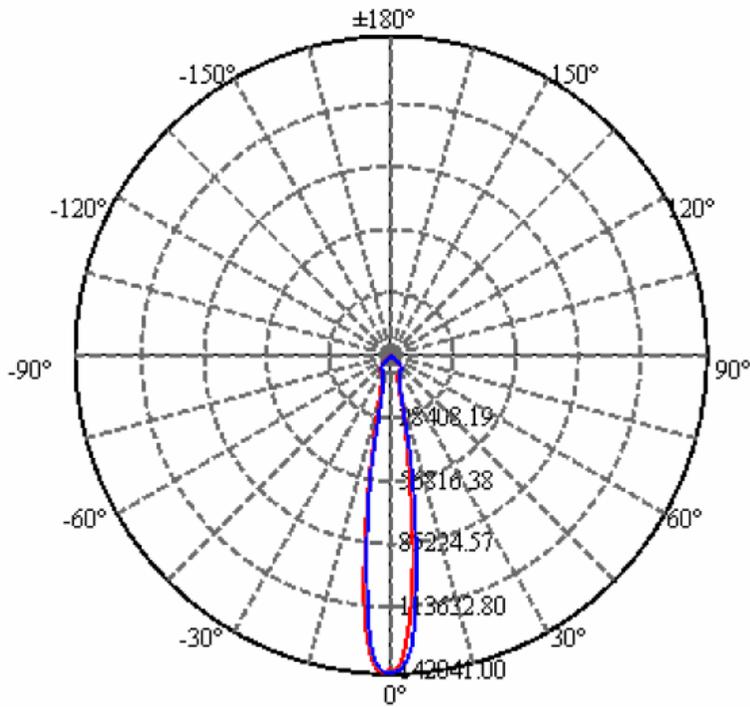
**20°**



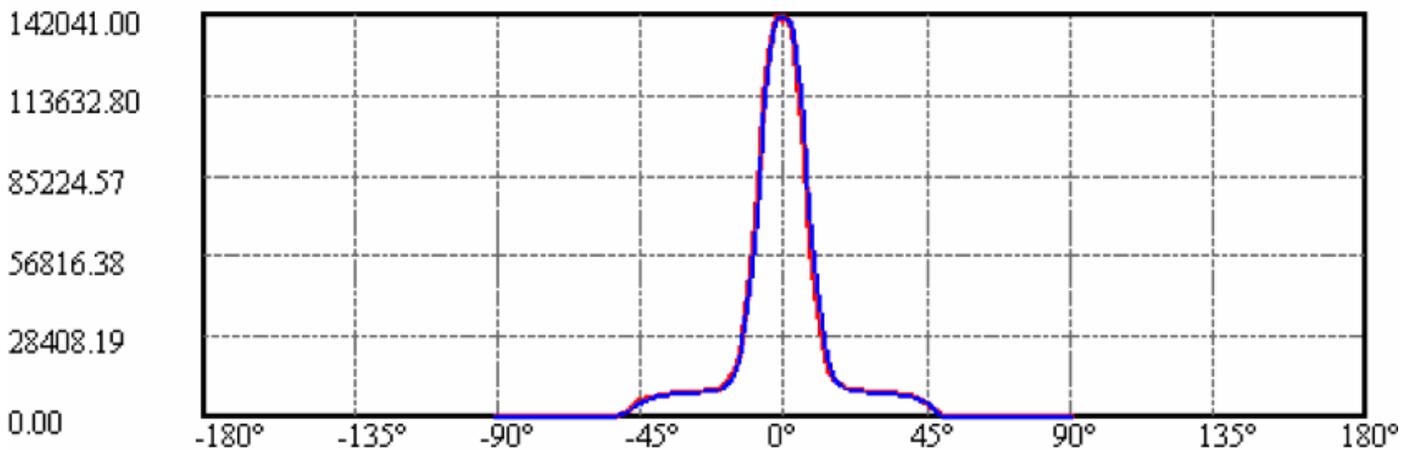
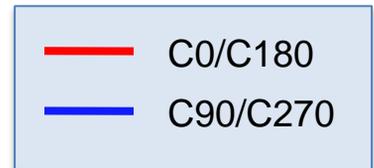
# Photometry

## HY300C-001 @220V

### 20°



Isocandela diagram



Cartesian coordinates



# Operation Condition

Input voltage : 100~240V / 50/60Hz

Operation ambient temperature : -30°C to +40 °C

Storage temperature : -40°C to +60 °C

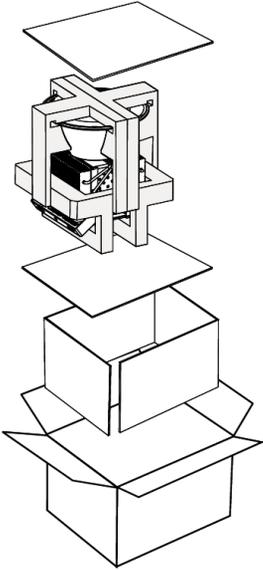
# Specification

Parameter	Rating	Unit
AC Input Voltage	100~240	VAC
Frequency	50/60	Hz
Operation Ambient Temperature	-30 to+40	°C
Color Temperature	5000 / 3000	K
Rated Lumen	26000(Measured value:26498 / 20° )	lm
Lighting Efficacy	84.8	lm/W
CRI	>80,R9>0	
Dimension(±2mm)	Φ367x459(H)	mm
Weight(±5%)	8855	g
Lifetime	40000	hour
Beam Angle	20 / 45 / 60 / 90 / 100	degree

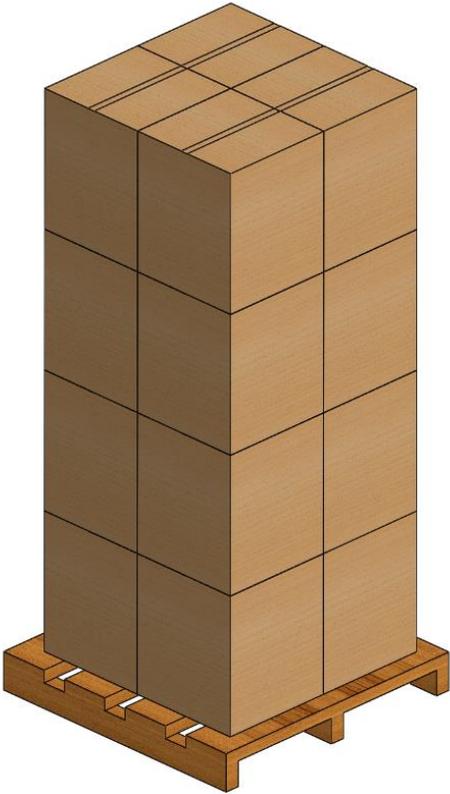
- Notes:** 1. Luminous flux is measured at 5000K and with an accuracy of ±10%.  
2. Luminous flux is measured at TA= 25°C and reaches thermal equilibrium.



# Packing



46(L)\*46(W) \*55(H) / carton



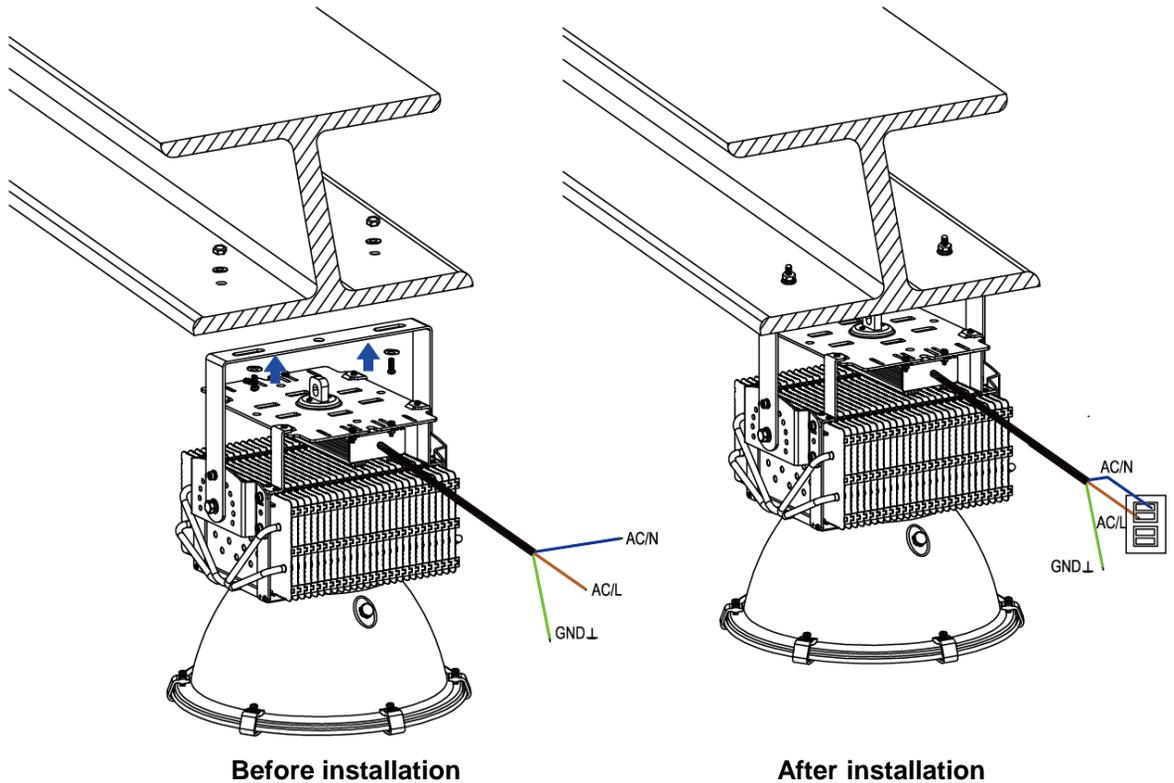
1 layer= 4 ea total 4 layers  
1 pallet= 16ea CB300

Pallet dimension: 110\*110\*13

Unit : cm



# Wiring and Installation Instruction



## Installation Instruction :

1. Mark the position of bracket holes at the structure or steel. Then drill the holes according to the marks.
2. Confirm the weight limit of structure or steel is enough. ( at least 9KG is needed)
3. Follow the blue arrow to screw bracket with structure or steel by 3/8" screws or above.
4. Screw the lamp with structure or steel and then wiring.

## Wiring Instruction :

1. Install lamp by the professional person with electrical license.
2. Make sure the power is off before installation
3. Make sure no high power-consumption equipments nearby the lamp (e.g., elevator, refrigerator, air-conditioner). It will generate surge that may damage the lamp while start up.
4. Connect blue cord of lamp to AC/N; brown cord to AC/L.
5. Connect ground cord of lamp(yellow/green) to ground.
6. DO NOT use any tools to disassemble or repair lamps.
7. Products are available for AC 100V~240V, 50/60Hz. DO NOT install lamp to the environment out of the range.

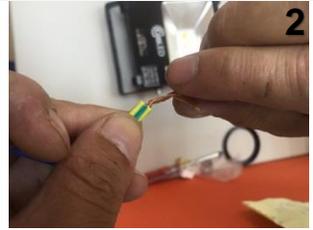
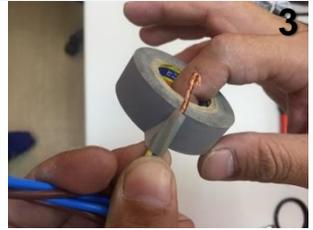
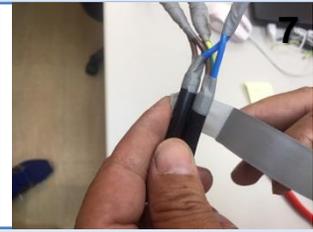
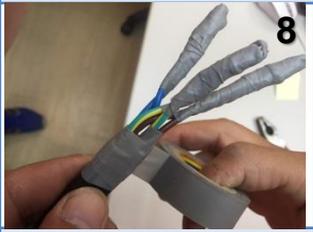


# Out-Door Wiring for Water-Proof

## Caution:

1. Read the instruction carefully before wiring.
2. Make sure the power is off before installation.
3. Make sure no high power-consumption equipments nearby the lamp (e.g., elevator, refrigerator, air-conditioner). It will generate surge that may damage the lamp while start up.
4. Non-professional staff shall not use any tools to disassemble or repair lamps.
5. Products are available for AC 100V~240V, 50/60Hz. DO NOT install lamp to the environment out of the range.

**Note: Emergency handling: Turn off the power when the lamp is abnormal.**

 <p>1</p>	 <p>2</p>	 <p>3</p>	 <p>4</p>
<p>Tie the 3-cord cable of lamp by insulation tape to cover all branch area for water-proof. Same as the cable of AC side.</p>	<p>Twist bare wires of lamp ground cord and AC ground cord together at the same direction. Same as live cords(L) and neutral cords(N).</p>	<p>Fold up the front end of bare wires to prevent tape falling off. Then cover it by isolation tape.</p>	<p>Continue winding bare wires by tape. It should be over the front end of bare wires 4 to 8 cm.</p>
 <p>5</p>	 <p>6</p>	 <p>7</p>	 <p>8</p>
<p>Pull the surplus tape back to prevent bare area from getting vapor.</p>	<p>Repeat step 4 and 5 at least 3 times. Refer to Electrical Engineering Rules about winding methods and standards.</p>	<p>Make sure 3 groups of wires are covered by tape firmly, then start to wind the tape from the branch point of two main cords.</p>	<p>Keep winding the tape and ensure two main cords covered by tape firmly.</p>
 <p>9</p>	 <p>10</p>	 <p>11</p>	 <p>12</p>
<p>Continue winding 3 groups of wires by tape. It should be over the front end of bare wires 10 to 15 cm.</p>	<p>Pull the surplus tape back to prevent bare area from getting vapor.</p>	<p>Repeat step 8 and 9 at least 3 times. Refer to Electrical Engineering Rules about winding methods and standards.</p>	<p>Fold up the cords with tape and face up. The cord position has to lower than lamp, or vapor will follow the cords into the lamp when it rains.</p>

**Note: Turn off the power during wiring to prevent lamp damage because of abnormal wiring.**



# Warranty

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We offer **two-year limited warranty** on the entire system.

1. Under normal condition with no mechanical damage or LED light module disassembly, LED lumen degradation is within 30%. (Under the environment of room temperature 25°C, the LED life maybe more than 50000 hr)
2. Warranty does not provide coverage for product damage resulting from the end user's failure to replace surge protection devices before they have reached their useful life.
3. Warranty does not provide coverage for product damage resulting from the natural disasters like typhoon, flood etc.
4. CoolLED is not responsible for the product which is transformed or dismantled without permission.

*We reserve the right to modify, and/or to withdraw any part of data sheet herein.*

