



Pegasus II Series High Bay bulbs is the next stage in high bay bulb evolution. Extendable socket neck for more versatile installations. Motion sensor option with step dimming. Ultra-high LED bulb efficiency with up to 145 lumens per watt and DLC 5.1 Certification



P/N: AST-EHB06-160WXYZA1-acK

Note:

AST= Company name

EHB06 = Product series, LED High Bay Corn Light

160W = Rating Power

X = LED manufacturer, B=Lumileds.

Y = diffuser types: "F" for frosted type and "C" for clear type

Z=Sensor type. "N"for none sensor, "M"for motion Microwave sensor, "P"for Motion PIR sensor.

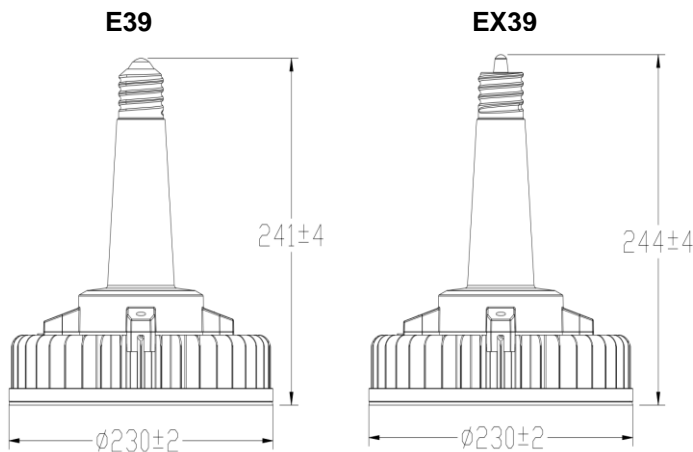
a= the lamp base type, can be "E" for E39, "EX" for EX39

cK=represents CCT, can be two digital, 30K=3000K,

35K=3500K,40K=4000K, 45K=4500K, 50K=5000K,

57K=5700K, 65K=6500K

DIMENSIONS



NOTICE FOR USER

- Please turn off power before installation or changing any assembly parts.
- The input voltage and lamps should be matched, after connecting the power line, please make sure the wiring section is insulated.
- Make sure to remove or bypass the ballast in the fixtures before installing the lamps.
- Suitable for damp locations.
- Suitable for use in enclosed luminaires, min. lamp compartment dimensions: 400*400*350MM.
- No-professionals must not install or disassemble the lamps.

ADVANTAGE

- UL cUL certificate.
- E39 EX39 lamp base.
- Big heat sink, No fan.
- Internal driver, input voltage AC120-277V.
- Meet 6KV surge immunity level.
- Sealant pouring for whole driver and lamp plastic housing.
- Motion microwave sensor or motion PIR sensor optional, 0-10V continuous dimming.
- Long lifespan and good heat dissipation.
- Easy installation.
- Fits many different fixtures to replace traditional lamps.

APPLICATION

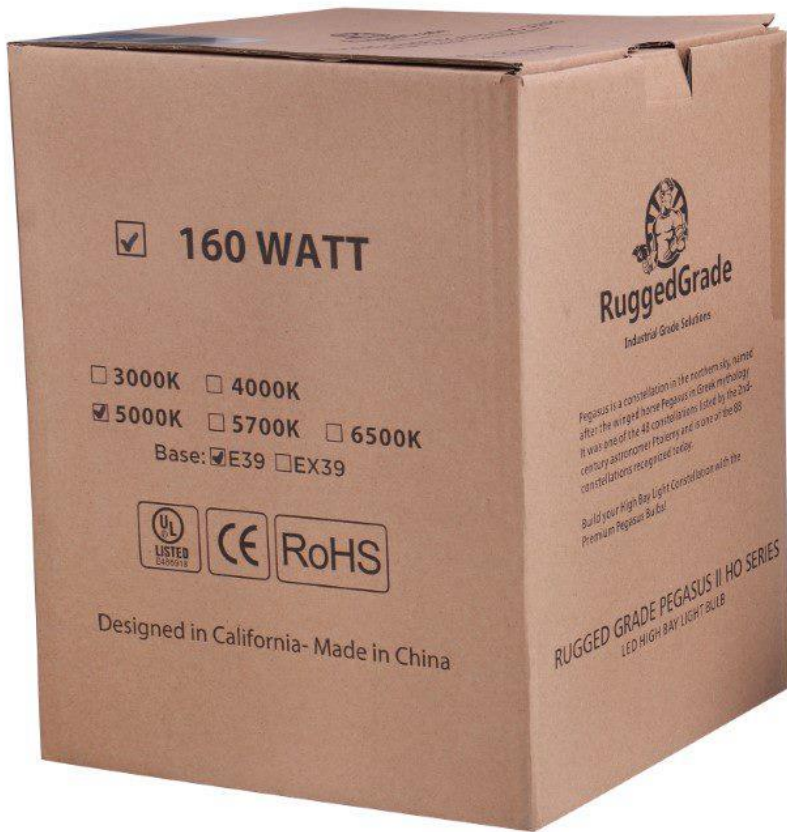
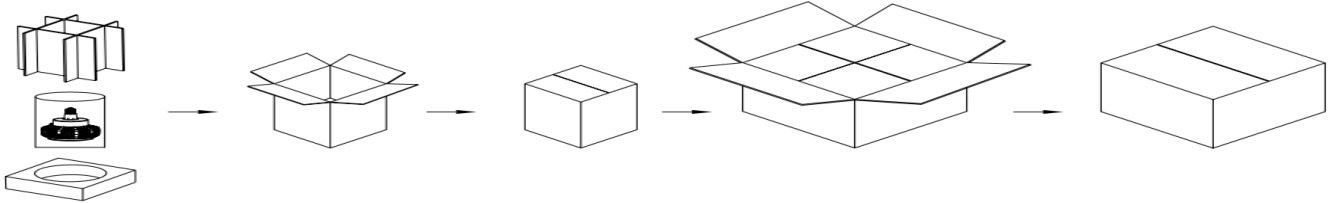
- Used in factories, construction sites, stadiums, supermarkets, mining areas and etc.

**SPECIFICATIONS**

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	160W	
	Color Temperature (Color Tunable)	3000K	4000K~6500K
	Lumen (Tolerance : -10%)-In	22689	25000
	Efficacy (Tolerance : -3%)-In	142	156
	CRI	>80	
	Color Consistency	<6 Steps (or <6 SDCM)	
	Diffuser Type	Clear PC	
	Viewing Angle (Tolerance : $\pm 25\%$)	100 Degree	
ELECTRICAL	Input Voltage and Frequency	120-277VAC 50/60Hz	
	PF (Tolerance : -3%)	≥ 0.9	
	THD (Tolerance : +5%)	$\leq 20\%$	
	Flicker Percent	<72%	
	Driver Surge protection	L-N: 6kV	
	Dimmable	Yes	
	Equivalent	600W MHL/HPS/HID	
MATERIALS	LED Brand	Lumileds	
	LED Type	SMD2835	
	LED QTY	765 pcs	
	Housing	PC + Aluminum	
	Housing Color	Any colour	
	Waterproof Rating	DAMP (IP64)	
OTHERS	Operating Temperature	-40°C TO 50°C	
	Operating Humidity	20%-70% RH	
	Storage Temperature	-40°C TO 80°C	
	Storage Humidity	10%-75% RH	
	Warranty Time	5 years warranty with 24/7 operating hours lamp lifetime at 25°C and in installed fixture.	

PACKAGE

	Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner box	235*235*300 MM	1 PC	1.50 KG	1.9 KG
Outer box	490*490*320MM	4PCS	6.0 KG	8.6 KG



LIGHT DISTRIBUTION TESTING PARAMETERS

Remark: The testing data comes directly from the product test.

Luminaire Property

Luminaire Manufacturer:

Luminous Length (mm): 223

Voltage: 120.1 V

Power: 162.60 W

Luminous Width (mm): 223

Current: 1.362 A

Power Factor: 0.994

Photometric Results

CIE Class: Direct

Measurement Flux: 25434.9 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H148.4,H100.2

Vertical Diffuse Angle(10%,50%): V147.6,V101.4

Luminaire Efficacy Rating (LER): 156.48

Max. Intensity: 9981.7 cd

S/MH(C0/C180): 1.36

Total Rated Lamp Lumens: 25434.9 lm

Efficiency: 100%

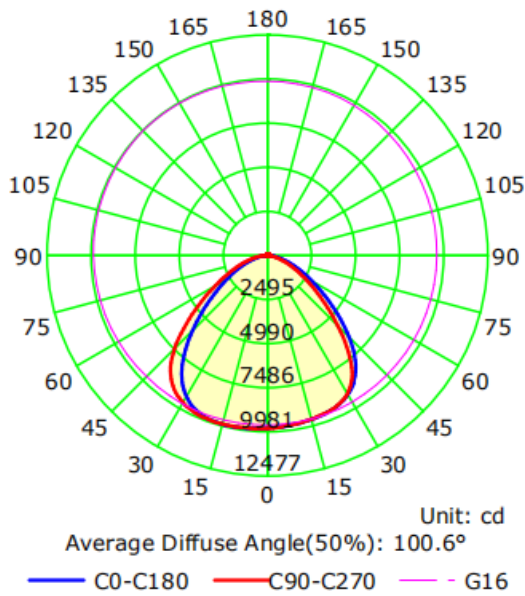
Upward Ratio: 1%

Central Intensity: 9782.94 cd

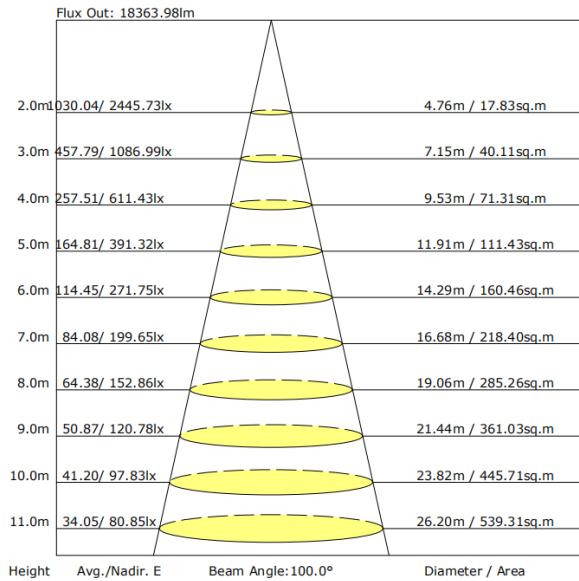
Pos of Max. Intensity: H225 V16

S/MH(C90/C270): 1.39

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure





Notice for user

- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- Do not look directly at the lamp when it is working. It should be used when no one is around.
- In order to ensure the bactericidal effect, please clean up the dust and stains on the luminous surface in time.
- Keep the room clean and dry when disinfecting the air with ultraviolet light. When the indoor temperature is lower than 20°C or the relative humidity is more than 60%, the irradiation time should be extended to ensure the disinfection effect.
- No-professionals, must not install and disassemble the lamps.

Troubleshootings

Issue	Check points
Light Flickers	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. Lights with photocells can have photocell tag from ambient light or light reflecting back at the sensor. Simply cover the photocell completely and see if flickering continues while the photocell is covered. Call Tech Support for help if none of the above solves the issue.
Light does not work at all.	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. If input voltage is not in the voltage range of the fixture, you will need to find the source of your input voltage issue. Call Tech Support for help if none of the above solves the issue.

For more technical information, install questions, troubleshooting help or warranty claims, we have a dedicated US Tech and Customer Support Team to help solve any issues you have and can be reached by email or phone. If you need help with any of our products, we are here for you so that you are never in the dark!

**BETTER LIGHTS.
BETTER SUPPORT.**

