



The 300-watt version of the Aries III Series is more powerful, smarter and dimmable! Surge protection built in with the best driver on the market! High Efficiency up to 145 Lumen to watt providing 360-degree lighting.



P/N: RGL-ARIES-3-300WBCZA1-a50K

Note:

RGL= Rugged Grade Lighting

CLW08E= Product series, LED Corn Light

300W = Rating Power

X = LED manufacturer, can be any letter,

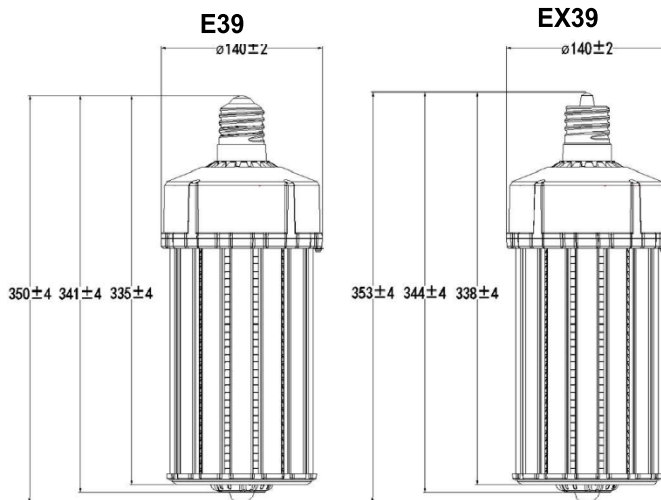
Y= diffuser types: "F" for frosted type and "C" for clear type

Z=Sensor type. "N" for none sensor, with interface of dimming connection, "M" for motion Microwave sensor, "P" for Motion PIR sensor, "C" for Continuous dimming knob.

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

c = CCT, can be any two digital.

DIMENSIONS



APPLICATION

- Widely used in supermarket, warehouse, garage, home, office, hotel, hospital, school, street, garden etc.

ADVANTAGE

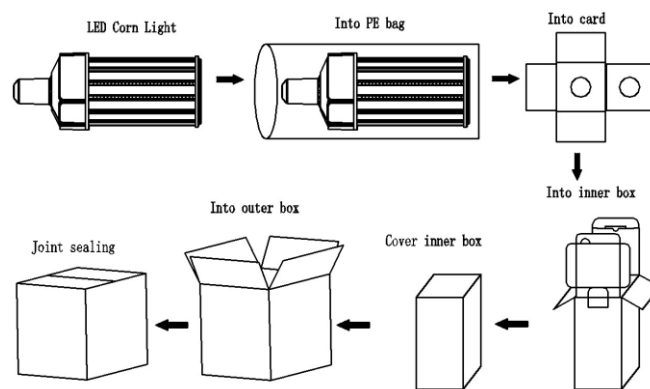
- Recommended for use in an open environment. No-professionals must not install or disassemble the lamps
- UL cUL certificate.
- E39 EX39 lamp base.
- 360-degree lighting.
- Can be with clear or frosted cover.
- Internal driver, input voltage AC120-277V.
- Meet 4KV surge immunity level
- Long lifespan and good heat dissipation, With fan Direct replacement for Metal Halide, easy installation.
- Motion microwave sensor or motion PIR sensor optional, 0-10V continuous dimming.
- Fits many different fixtures to replace traditional lamps.

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	300W	
	Color Temperature	3000K	4000K~6500K
	Lumen (Tolerance : -10%)-In Luminaires(lm)	41100LM	43500LM
	Efficacy (Tolerance : -3%)-In	137LM/W	145LM/W
	CRI	>80	
	Color Consistency	<6 Steps (or <6 SDCM)	
	Diffuser Type	clear or frosted PC	
	Viewing Angle (Tolerance : ±25%)	360 Degree	
ELECTRICAL	Input Voltage and Frequency	120-277VAC 50/60Hz	
	PF (Tolerance : -3%)	≥0.9	
	THD (Tolerance : +5%)	≤20%	
	Flicker Percent	<5%	
	Driver Surge protection	L-N: 4kV	
	Dimmable	Yes	
	Equivalent	800W MHL/HPS/HID	
MATERIALS	LED Brand	Lumileds	
	LED Type	SMD2835	
	LED QTY	874 PCS	
	Housing	PC + Aluminum	
	Housing Color	Any Colors	
	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	375*165*165 MM	1 PC	1.58 KG	1.82 KG
Outer box	510*345*395 MM	6 PCS	9.5 KG	11.9 KG



LIGHT DISTRIBUTION TESTING PARAMETERS

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

Luminaire Property

Luminaire Manufacturer:
Voltage: 118.2 V
Power: 301.39 W

Current: 2.556 A
Power Factor: 0.997

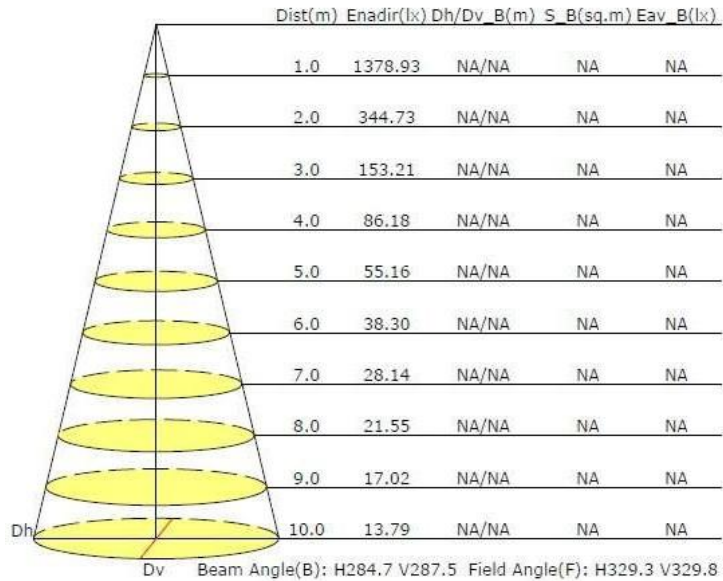
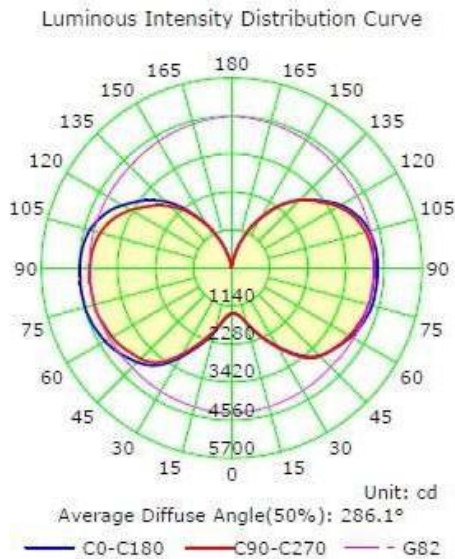
Photometric Results

CIE Class: General Diffuse
Measurement Flux: 44005.5 lm
Downward Ratio: 54%
Horizontal Diffuse Angle(50%): H285.9
Vertical Diffuse Angle(50%): V287.5
Luminaire Efficacy Rating (LER): 146.06
Max. Intensity: 4560.67 cd
S/MH(C0/C180): 3.05

Total Rated Lamp Lumens: 44005.5 lm
Efficiency: 100%
Upward Ratio: 46%

Central Intensity: 1378.93 cd
Pos of Max. Intensity: H180 V82
S/MH(C90/C270): 3.02

Illuminance at a Distance(Beam Angle)



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 install the lamps.
- Suitable for damp locations.
- Recommended for use in an open environment.
- No-professionals must not install or 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.**

DLI **CERTIFIED**

UL **LISTED**

LEGENDARY RUGGEDGRADE QUALITY
LEGENDARY USA SUPPORT

US based phone and online customer support

ROCK SOLID 5 YEARS WARRANTY