



PRODUCT DESCRIPTION

Aries IV Series = Smaller, Smarter and Dimmable! Surge Protection Built in with the Best Driver on the Market! High Efficient LEDs with over 115 in Fixture performance - 360 Degree Lighting LED Corn Light Bulb and Onboard Dimming

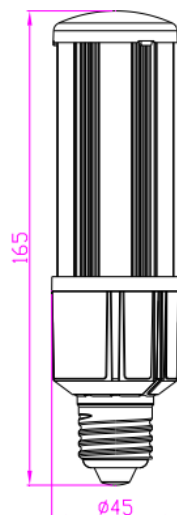


PART #: RGL-ARIES-EV-12W

PRODUCT FEATURES & COMMON USE APPLICATIONS

- | | |
|---|---|
| <ul style="list-style-type: none">➤ UL cUL certificate.➤ E26 lamp base.➤ Epistar Chip, high CRI.➤ Internal driver, input voltage 120-277VAC.➤ Meet 4kV surge immunity level.➤ Direct replacement for Metal Halide, easy installation.➤ Fits many different fixtures to replace traditional lamps.➤ Two dimming options are available, continuous dimming or segmented dimmer➤ Long lifespan and good heat dissipation, With Sunon fan | <ul style="list-style-type: none">➤ Replacement Lamps for Outdoor➤ Pole/Arm-mounted Decorative Luminaires (Type B) |
|---|---|

PRODUCT DIMENSIONS



Rugged Grade Lighting
Industrial Grade Solutions



LEGENDARY USA SUPPORT



US based
phone and online
customer support

DLC
CERTIFIED

5 YEARS
WARRANTY



888-953-2476
sales@ruggedgrade.com



PRODUCT TECHNICAL SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	12W
	Color Temperature (Color Tunable)	5000K
	Lumen (Tolerance : $\pm 10\%$)In Luminaires	1380lm
	Efficacy (Tolerance : $\pm 3\%$)In Luminaires	115 LM/W
	CRI	>80
	Diffuser Type	Clear PC
	Beam Angle (50%) (Tolerance : $\pm 25\%$)	360 Degree
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz
	PF (Tolerance : -3%)	≥ 0.9
	THD (Tolerance : +5%)	$\leq 20\%$
	Flicker Percent	< 30%
	Driver Surge protection	L-N: 4kV
	Dimmable	NO
	Equivalent	23W CFL, 35W MHL/HPS/HID
MATERIALS	LED Brand	EPISTAR
	LED Type	SMD2835
	LED QTY	98 PCS
	Housing	PC + Aluminum
	Housing Color	White+Grey
	Waterproof Rating	DAMP(IP64)
OTHERS	Operating Temperature	-20°C TO 45°C
	Storage Temperature	-30°C TO 80°C
	Operating Humidity	20%-70% RH
	Storage Humidity	10% - 75% RH
	Warranty	5 years

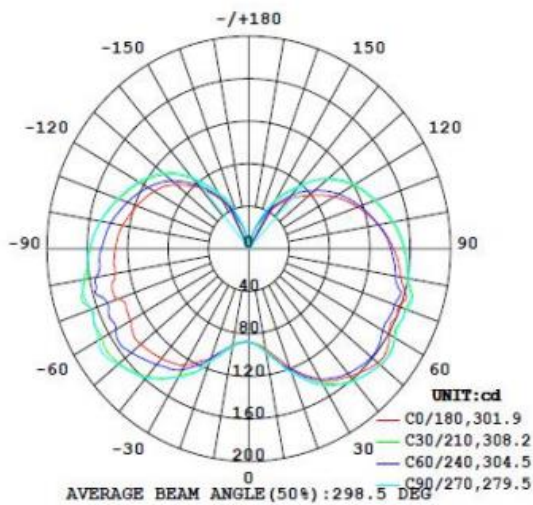
PRODUCT MOUNTS & ACCESSORIES



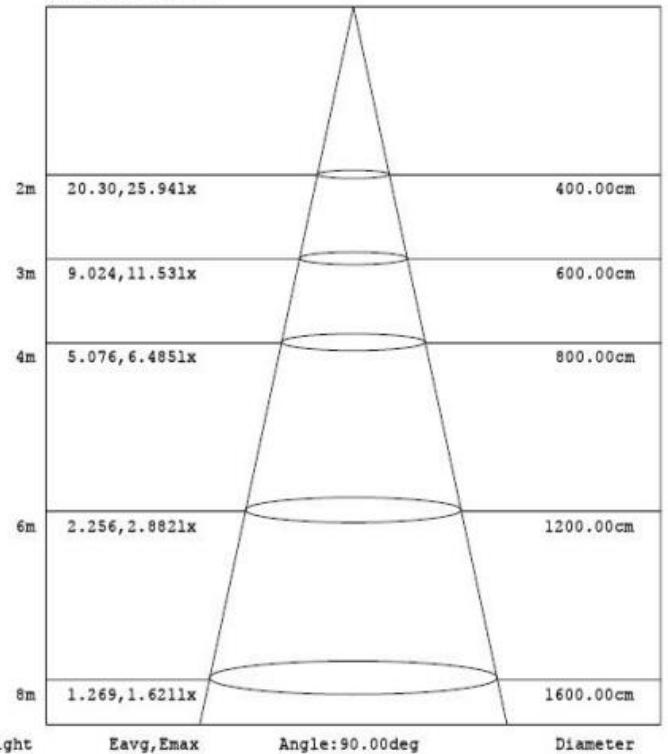
PHOTOMETRICS

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 138.47 lm/W
MODEL		I _{max} (cd)	187.8	S/MH (C0/180)	2.14	
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	2.43	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1668.9	η UP, DN (C0-180)	20.0, 29.7	
NOMINAL FLUX (lm)	1668.88	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	20.9, 29.4	
LAMPS INSIDE	1	η up (%)	40.9	CIBSE SHR NOM	2.00	
TEST VOLTAGE (V)	120	η down (%)	59.1	CIBSE SHR MAX	0.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Flux out: 255.1 lm



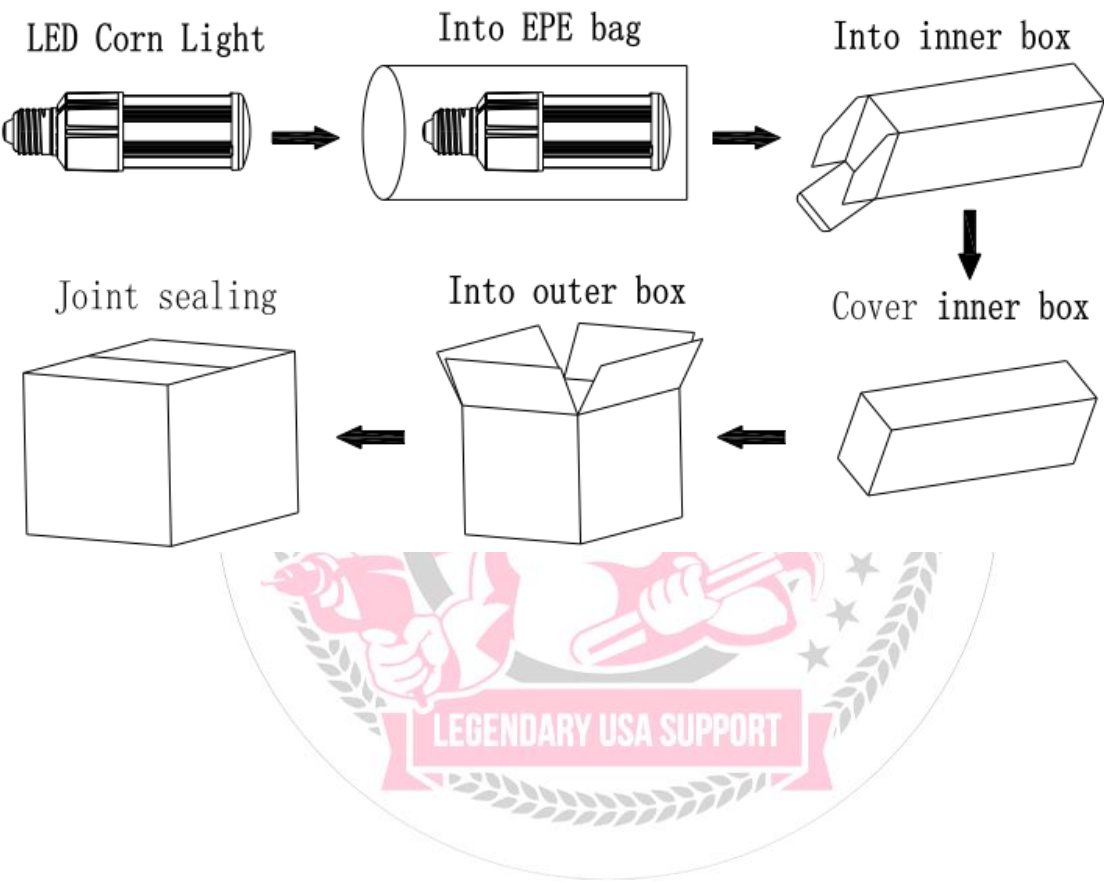
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



PRODUCT PACKAGING

	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner Carton	165*45*45 MM	1 PC	0.14 KG	0.16 KG
Outer Carton	350*240*245 MM	50 PCS	7.0 KG	8.8 KG

*Tolerance of Carton Size: ±15 MM, Tolerance of Weight: ±10%.



PRODUCT WARNINGS

- ✚ Please turn off power before install or change assembly parts.
- ✚ The input voltage and lamps should be matched, after connecting the power line.
- ✚ Please make sure the wiring section is insulated.
- ✚ Professionals must install and disassemble the lamps.
- ✚ Surge is the number 1 cause of LED light failure. Outdoor lights must have surge at fixture, pole, and breaker.
- ✚ Surge is the number 1 cause of LED light failure. Indoor lights must have surge at fixture and breaker.

PRODUCT TROUBLESHOOTING

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 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.

