

PRODUCT DESCRIPTION

Aries IV Series = Smaller, Smarter and Dimmable! Surge Protection Built in with the Best Driver on the Market! High Efficiency LEDs with over 135 in Fixture performance - 360 Degree Lighting LED Corn Light Bulb and Onboard Dimming

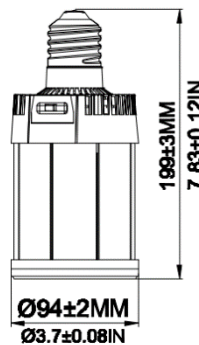
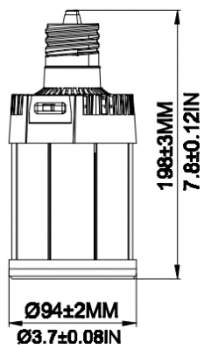
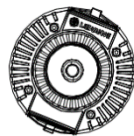
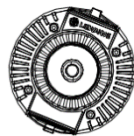


DLC #: RGL-ARIES-4-TT-080WBCDA1

PRODUCT FEATURES & COMMON USE APPLICATIONS

- UL cUL certificate.
- E39/EX39 lamp base.
- Lumileds 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
- 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



888-953-2476
sales@ruggedgrade.com

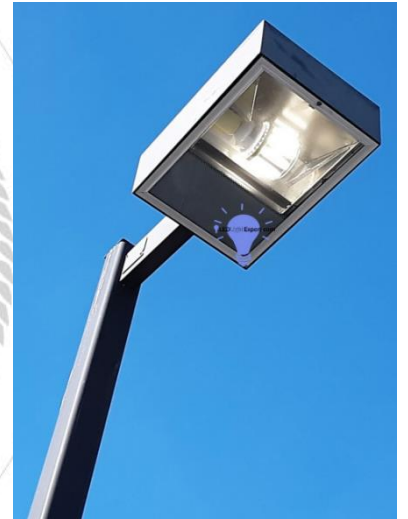
PRODUCT TECHNICAL SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	Wattage Selectable 80W/60W/40W		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen (Tolerance : $\pm 10\%$) In Luminaires	8570 LM	9669LM	9497LM
	Efficacy (Tolerance : $\pm 3\%$) In Luminaires	108.35 LM/W	124.69 LM/W	119.78LM/W
	CRI	>80		
	Color Consistency	< 7 Steps (or < 7 SDCM)		
	Diffuser Type	Clear PC		
	Beam Angle (50%) (Tolerance : $\pm 25\%$)	210.6 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: 6kV		
	Dimmable	0-10V dimming standard (through manual knob on the lamp)		
	Equivalent	150W CFL, 250W MHL/HPS/HID		
MATERIALS	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	198 pcs of 3000K + 198 pcs of 5000K		
	Housing	PC + Aluminum		
	Housing Color	Any colors		
	Waterproof Rating	DAMP		
OTHERS	Operating Temperature	-40°C TO 50°C		
	Storage Temperature	-40°C TO 80°C		
	Operating Humidity	20% - 70% RH		
	Storage Humidity	10% - 75% RH		
	Warranty	5 years		

PRODUCT MOUNTS & ACCESSORIES



PRODUCT IMAGES & ACTUAL INSTALLATIONS



LEGENDARY USA SUPPORT



DLC 5.1 PREMIUM CERTIFICATION

Product ID: S-9LSRN3

X



RGL-ARIES-4-080WBCSA1-a550K

Manufacturer: RuggedGrade
Brand: RuggedGrade

PRODUCT OVERVIEW

Model Number	RGL-ARIES-4-080WBCSA1-a550K
Classification	Standard
Primary Use	Replacement Lamps for High Bay Luminaires (Type B)
Reported Input Wattage	80 W
Reported Light Output	9810 lm
Reported CCT	5000 K
Reported CRI (Ra)	83
Product ID	S-9LSRN3
DLC Family Code	BCBACR
Listing Status	Listed
Date Qualified	2024-03-26

PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	S-9LSRN3
Manufacturer	RuggedGrade
Brand	RuggedGrade
Model Number	RGL-ARIES-4-080WBCSA1-a550K
Parent	No
Classification	Standard

PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

CONTROL FEATURES

[VIEW DETAILS](#)

REPORTED PHOTOMETRIC PERFORMANCE

Reported Light Output	9810 lm
Reported Efficacy (AC)	122.68 lm/W
Reported CCT	5000 K
Reported CRI (Ra)	83
Reported RS	8
Reported IES Rf	85
Reported IES Rg	95
Reported IES Rcs,h1	-11

REPORTED ELECTRICAL PERFORMANCE

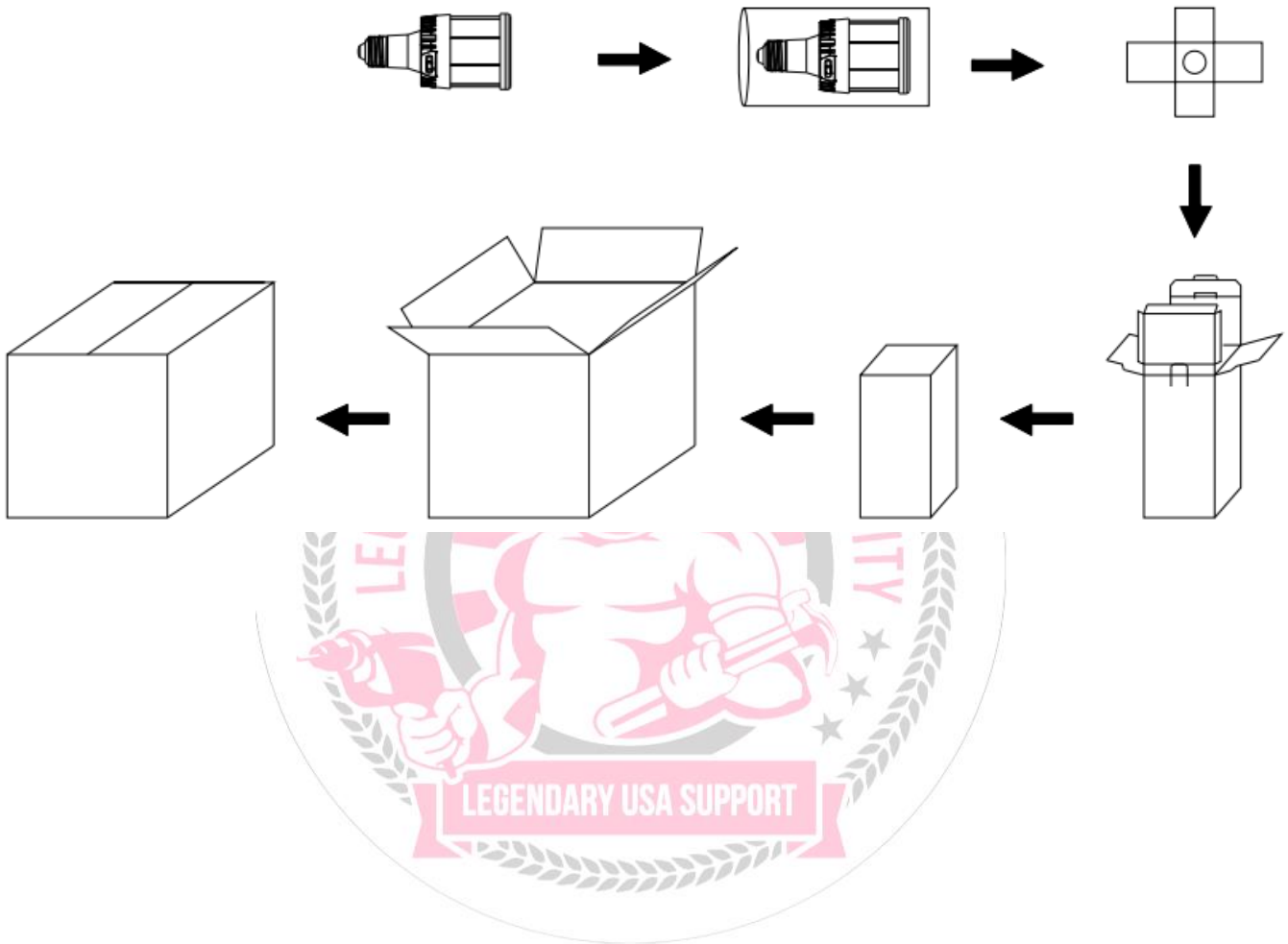
Reported Input Wattage	80 W
Reported Total Harmonic Distortion	15 %
Reported Power Factor	0.9
Reported Default Input Wattage	80 W
Voltage Range	120-277 V



PRODUCT PACKAGING

	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner Carton	100*100*240MM/4*4*9.45IN	1 PC	0.58 KG/1.28lb	0.66KG/1.46lb
Outer Carton	420*320*255MM/16.5*12.6*10IN	12 PCS	7KG/15.4lb	9KG/19.8lb

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



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.**

