

## PRODUCT DESCRIPTION

Aries IV Series = Smaller, Smarter and Dimmable! Surge Protection Built in with the Best Driver on the Market! High Efficiency 145 Lumen to watt LEDs with over 29000 lumens in Fixture performance - 360 Degree Lighting LED Corn Light Bulb and Onboard Dimming

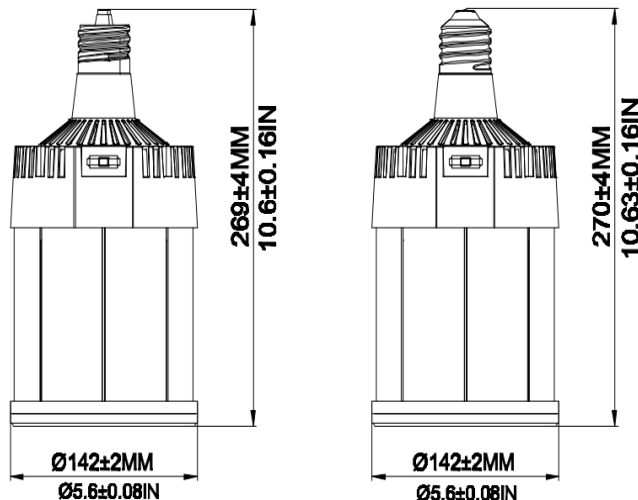


#: RGL-ARIES-4-TT-200WBCDA1

## PRODUCT FEATURES & COMMON USE APPLICATIONS

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>➤ UL cUL certificate.</li> <li>➤ E39 EX39 lamp base.</li> <li>➤ Lumileds Chip, high CRI.</li> <li>➤ Internal driver, input voltage 120-277VAC.</li> <li>➤ Meet 6kV surge immunity level.</li> <li>➤ Direct replacement for Metal Halide, easy installation.</li> <li>➤ Fits many different fixtures to replace traditional lamps.</li> <li>➤ Two dimming options are available, continuous dimming or segmented dimmer</li> <li>➤ Long lifespan and good heat dissipation, with Sunon fan.</li> </ul> | <ul style="list-style-type: none"> <li>➤ Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B)</li> </ul> |
|--|---|

## PRODUCT DIMENSIONS



### LEGENDARY USA SUPPORT

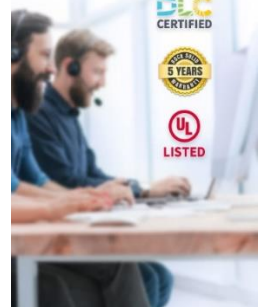


US based phone and online customer support

DLC CERTIFIED

5 YEARS WARRANTY

UL LISTED



## PRODUCT TECHNICAL SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : $\pm 10\%$ )	200W		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen (Tolerance : $\pm 10\%$ )In Luminaires	27400LM	29000LM	28000 LM
	Efficacy (Tolerance : $\pm 3\%$ )In Luminaires	137 LM/W	145LM/W	140 LM/W
	CRI	>80		
	Color Consistency	< 7 Steps (or < 7 SDCM)		
	Diffuser Type	Clear PC		
	Beam Angle (50%) (Tolerance : $\pm 25\%$ )	280 Degree		
<b>ELECTRICAL</b>	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	$\geq 0.9$		
	THD (Tolerance : +5%)	$\leq 20\%$		
	Flicker Percent	< 30%		
	Driver Surge protection	L-N: 4kV		
	Dimmable	0-10V dimming standard (through manual knob on the lamp)		
	Equivalent	600W MHL/HPS/HID		
<b>MATERIALS</b>	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	455 pcs of 3000K + 455 pcs of 5000K		
	Housing	PC + Aluminum		
	Housing Color	Any colors		
	Waterproof Rating	DAMP		
<b>OTHERS</b>	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



## DLC SPECS

Product ID: S-BLSWY6 ×



### RGL-ARIES-4-TT-200WBCDH1-aScK

Manufacturer: RuggedGrade  
Brand: RuggedGrade

#### PRODUCT OVERVIEW

Model Number	RGL-ARIES-4-TT-200WBCDH1-aScK
Classification	Standard
Primary Use	Replacement Lamps for High Bay Luminaires (Type B)
Reported Input Wattage	198.4 W
Reported Light Output	23828 lm
Reported CCT	3000 K
Reported CRI (Ra)	81
Product ID	S-BLSWY6
DLC Family Code	BCBACT
Listing Status	Listed
Date Qualified	2024-03-26

#### PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	S-BLSWY6
Manufacturer	RuggedGrade
Brand	RuggedGrade
Model Number	RGL-ARIES-4-TT-200WBCDH1-aScK
Parent	No
Classification	Standard

#### PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

#### CONTROL FEATURES

[VIEW DETAILS](#)

#### REPORTED PHOTOMETRIC PERFORMANCE

Reported Light Output	23828 lm
Reported Efficacy (AC)	120.1 lm/W
Reported CCT	3000 K
Reported CRI (Ra)	81
Reported R9	-1
Reported IES Rf	84
Reported IES Rg	96
Reported IES Rcs,h1	-12

#### REPORTED ELECTRICAL PERFORMANCE

Reported Input Wattage	198.4 W
Reported Total Harmonic Distortion	15 %
Reported Power Factor	0.9
Reported Minimum Input Wattage	198.4 W
Reported Maximum Input Wattage	198.4
Reported Default Input Wattage	198.4 W
Voltage Range	277-480 V



PHOTOMETRICS

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

### Luminaire Property

Luminaire Manufacturer:

Voltage: 278.0 V

Power: 195.19 W

Current: 0.756 A

Power Factor: 0.929

### Photometric Results

IES Classification: Type I

Total Rated Lamp Lumens: 31626.1 lm

Efficiency: 100%

Upward Ratio: 47%

Central Intensity: 999.93 cd

Pos of Max. Intensity: H45 V86

Longitudinal Classification: Very Long

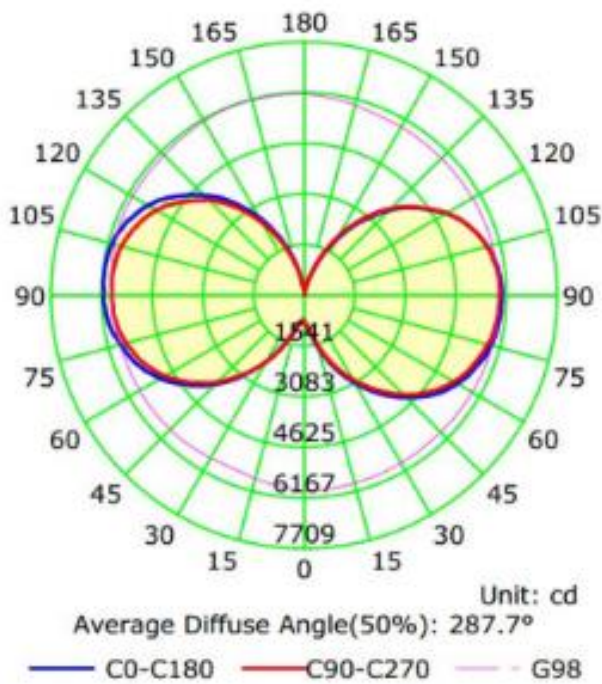
Measurement Flux: 31626.1 lm

Downward Ratio: 53%

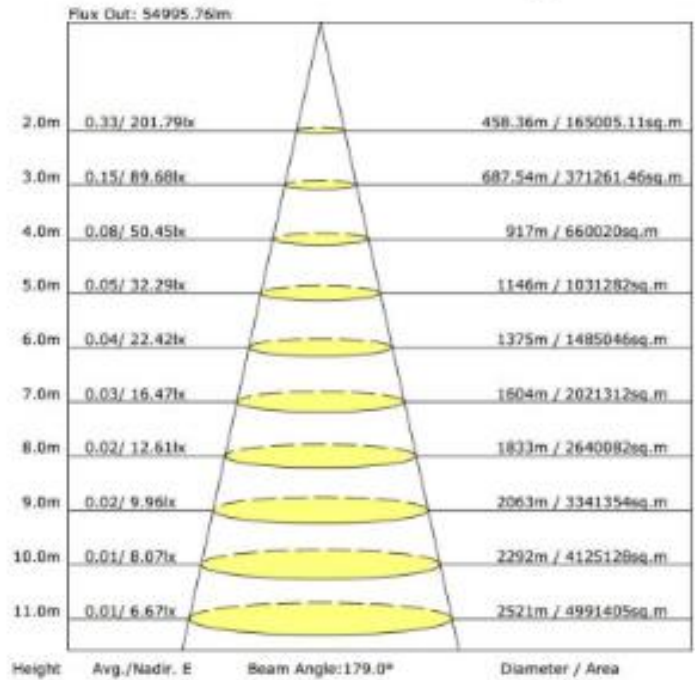
Luminaire Efficacy Rating (LER): 162.08

Max. Intensity: 3273.22 cd

Luminous Intensity Distribution Curve



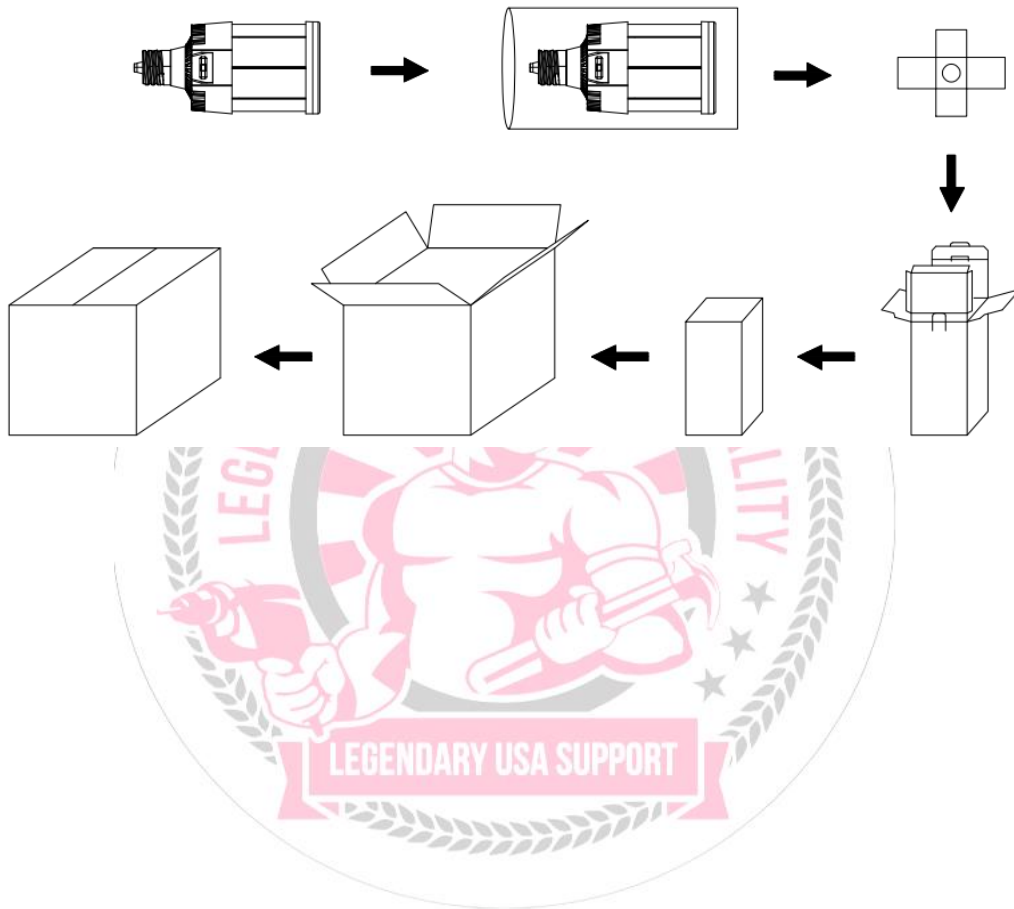
The Average Illuminance Effective Figure



PRODUCT PACKAGING

	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner Carton	150*150*315 MM/5.9*5.9*12.4IN	1 PC	1.3KG/2.87lb	1.55KG/3.42lb
Outer Carton	470*320*330 MM/18.5*12.6*13IN	6 PCS	7.8KG/17.2lb	11KG/24.25lb

\*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.**

