



Aries III 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 135 in Fixture Performance - 360 Degrees of Lighting Bulb and Onboard Dimming for the Perfect Brightness



P/N: AST-CLW08E-150WXYZA1-acK

Note:

AST= Company name

CLW08E= Product series, LED Corn Light

150W = 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.

A1 = Version number.

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

cK= CCT, can be any two digital, like

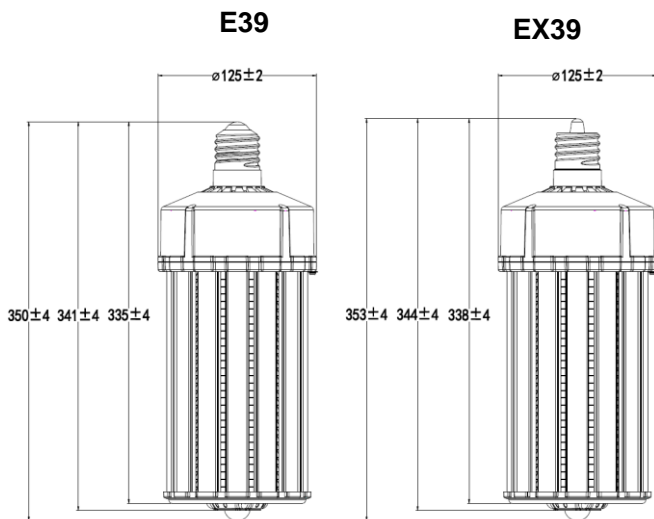
30K=3000K, 35K=3500K, 40K=4000K, 45K=4500K,

50K=5000K, 57K=5700K, 65K=6500K.

## ADVANTAGE

- 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.
- Two dimming modes optional, continuous dimming, sensor dimming.
- Motion microwave sensor or motion PIR sensor optional, 0-10V continuous dimming.
- Fits many different fixtures to replace traditional lamps.

## 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 install the lamps.
- Suitable for damp locations.
- Suitable for use in enclosed luminaires, min. lamp compartment dimensions: 300\*300\*470MM.
- No-professionals must not install or disassemble the lamps.

## APPLICATION

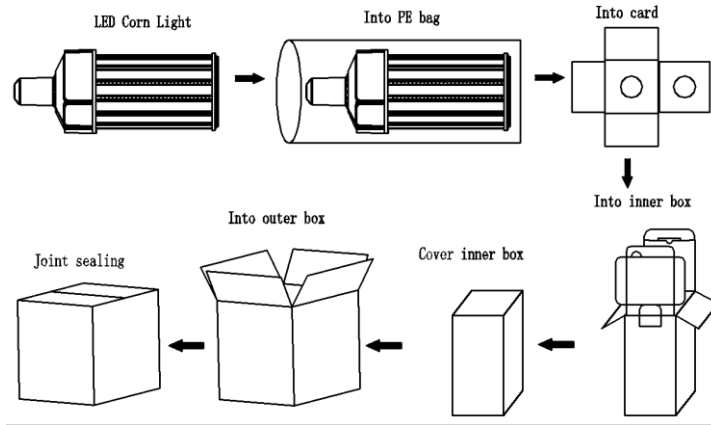
- Widely used in supermarket, warehouse, garage, home, office, hotel, hospital, school, street, garden etc.

## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : $\pm 10\%$ )	150W	
	Color Temperature	3000K	4000K~6500K
	Lumen (Tolerance : $\pm 10\%$ )	21000LM	22200LM
	Efficacy (Tolerance : $\pm 3\%$ )	140LM/W	148LM/W
	CRI	>80	
	Color Consistency	<6 Steps (or <6 SDCM)	
	Diffuser Type	clear or frosted PC	
	Viewing Angle (Tolerance : $\pm 25\%$ )	360 Degree	
<b>ELECTRICAL</b>	Input Voltage and Frequenc	120-277VAC 50/60Hz	
	PF (Tolerance : -3%)	$\geq 0.9$	
	THD (Tolerance : +5%)	$\leq 20\%$	
	Flicker Percent	<5%	
	Driver Surge protection	L-N: 4kV	
	Dimmable	0-10V dimming standard (through manual knob on the lamp)	
	Sensor Type	Daylight Sensor, Occupancy Sensor, Multifunction Sensor, Integral Sensor Receptacle	
	Optional Accessory	Motion Mircowave sensor, Motion PIR sensor	
	Equivalent	400W MHL/HPS/HID	
<b>MATERIALS</b>	LED Brand	Lumileds	
	LED Type	SMD2835	
	LED QTY	442 PCS	
	Housing	PC + Aluminum	
	Housing Color	Any Colors	
	Waterproof Rating	DAMP (IP64)	
<b>OTHERS</b>	Operating Temperature	Without Motion Sensor: -40°C TO 50°C; With Motion Sensor: -30°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	

**PACKAGE**

	Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner box	130*130*360 MM	1 PC	1.24 KG	1.42 KG
Outer box	405*275*380 MM	6 PCS	7.5 KG	9.2 KG



## DLC REPORT

Product ID: S-Z5JE3F ×


### RGL-ARIES-3-150WBCZA1-a50K

**Manufacturer:** RuggedGrade

**Brand:** RuggedGrade

#### PRODUCT OVERVIEW

Classification	Standard
Primary Use	Replacement Lamps for High-Bay Luminaires (Type B)
Reported Input Wattage	156.6 W
Reported Light Output	19387 lm
Reported CCT	5000 K
Reported CRI (Ra)	80
Product ID	S-Z5JE3F
DLC Family Code	<a href="#">SLFAHI</a>
Listing Status	Listed
Date Qualified	2023-01-07

#### PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version <span>ⓘ</span>	5.1
Product ID <span>ⓘ</span>	S-Z5JE3F
Manufacturer <span>ⓘ</span>	RuggedGrade
Brand	RuggedGrade
Model Number	RGL-ARIES-3-150WBCZA1-a50K
Parent <span>ⓘ</span>	No
Classification <span>ⓘ</span>	Standard

#### PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

#### PRODUCT CAPABILITIES

[VIEW DETAILS](#)

#### REPORTED PHOTOMETRIC PERFORMANCE

Reported Light Output <span>ⓘ</span>	19387 lm
Reported Efficacy (AC) <span>ⓘ</span>	123.81 lm/W
Reported CCT <span>ⓘ</span>	5000 K
Reported CRI (Ra) <span>ⓘ</span>	80
Reported R9 <span>ⓘ</span>	6
Reported IES Rf	84
Reported IES Rg	97
Reported IES Rcs,h1	-11

## LIGHT DISTRIBUTION TESTING PARAMETERS

Remark: The testing data comes directly from the product test.( 5000K)

## Luminaire Property

Luminaire Manufacturer:

Voltage: 121.0 V

Power: 150.69 W

Current: 1.257 A

Power Factor: 0.993

## Photometric Results

CIE Class: General Diffuse

Measurement Flux: 22351.8 lm

Downward Ratio: 55%

Horizontal Diffuse Angle(10%,50%): H327.9,H281.6

Vertical Diffuse Angle(10%,50%): V328.5,V282

Luminaire Efficacy Rating (LER): 148.38

Max. Intensity: 2351.63 cd

S/MH(C0/C180): 3.19

Total Rated Lamp Lumens: 22351.8 lm

Efficiency: 100%

Upward Ratio: 45%

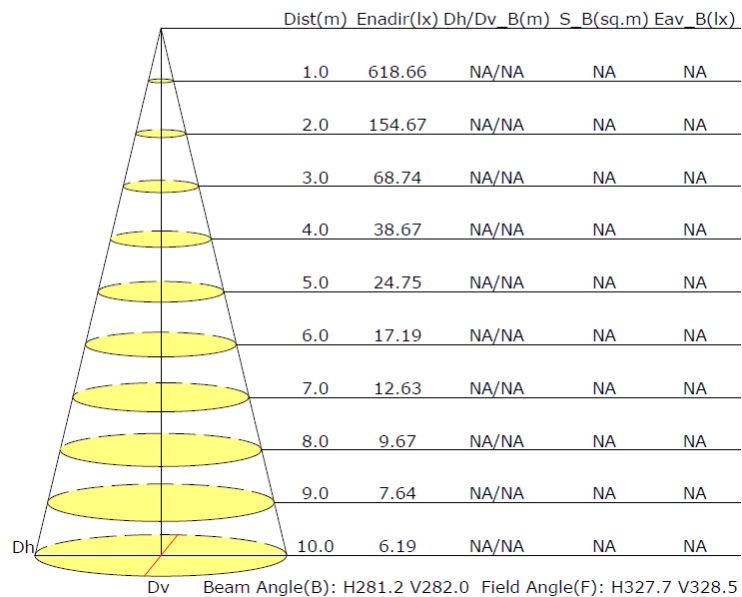
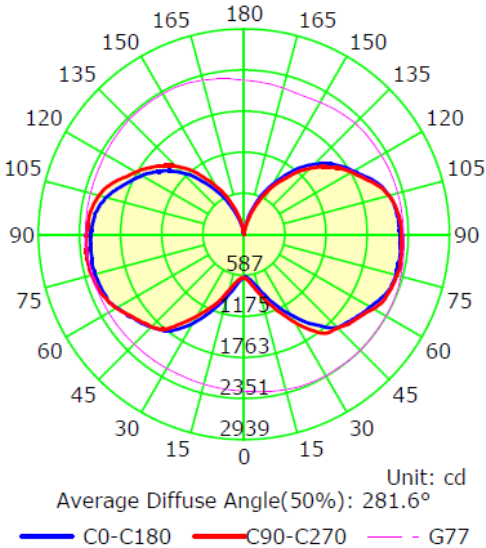
Central Intensity: 618.66 cd

Pos of Max. Intensity: H45 V77

S/MH(C90/C270): 3.20

## Illuminance at a Distance(Beam Angle)

Luminous Intensity Distribution Curve



**NOTICE FOR USER**

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- 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.**



**CERTIFIED**



**LISTED**





US based  
phone and online  
customer support



**ROCK SOLID  
5 YEARS  
WARRANTY**