



The Polaris II Series Garage/Canopy Light is the pinnacle of lighting design. Fresnel lens for improved optics. DLC 5.1 Premium listing for rebate eligibility, the highest current DLC certification. Wide 150° beam angle, perfect for garages, covered parking lots for wide light distribution.

P/N: RGL-POLARIS2-55WASA2-abcde

Note:

RGL = Rugged Grade Lighting

POLARIS2 = Product series.

55W = Rating Power

“a” can be any two letters to represent lamp colors;

WH=White, BR=Brown, or Customized;

“b” can be S or blank;

represent Surge protector or None Surge protector;

“c” can be M or blank;

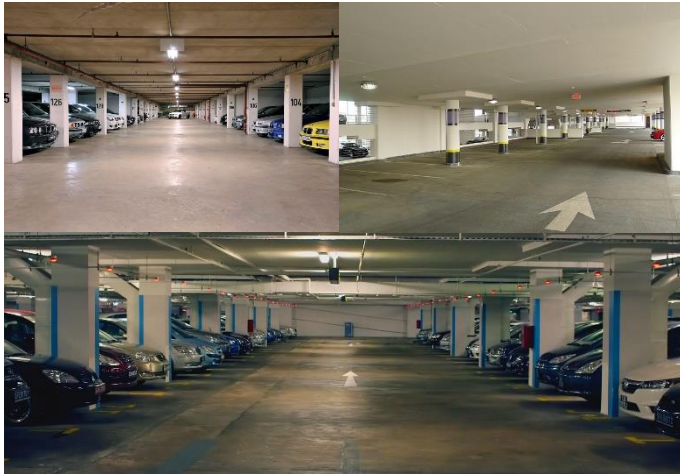
represent Motion-sensor or None motion-sensor;

“d” can be any two digits to represent CCT, can be 30=3000K, 35=3500K, 40=4000K,

45=4500K, 50=5000K, 57=5700K, 65=6500K.

“e” can be “EM” or blank

represent Emergency power supply



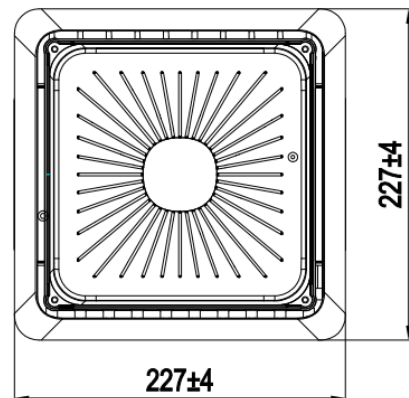
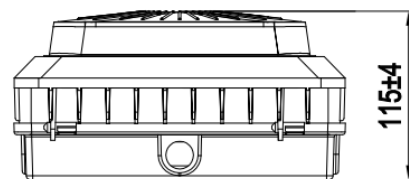
ADVANTAGE

- UL cUL DLC-V5.1(Premium) certificate.
- IP65 Internal driver, Input voltage 120-277Vac.
- Output constant current lever can be adjusted through output cable with 0-10V.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, Long lifespan.
- Light is soft and uniform, Safe to eyes.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.

APPLICATION

- Widely used in underground parking lot, garage and so on.

DIMENSION



SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	55W						
	Color Temperature	3000K	3500K	4000K	4500K	5000K	5700K	6500K
	Lumen (Tolerance : -10%)	6987LM	7001LM	7014LM	7027LM	7040LM	7054LM	7080LM
	Efficacy (Tolerance : -3%)	132LM/W	132LM/W	132LM/W	133LM/W	133LM/W	134LM/W	134LM/W
	CRI	>80						
	Color Consistency	<6 Steps (or <6 SDCM)						
	BUG	B2-U3-G2						
	Diffuser Type	Clear Stripe PC						
Beam Angle (50%) (Tolerance :	150 Degree							
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz;						
	PF (Tolerance : -3%)	≥ 0.9						
	THD (Tolerance : +5%)	$\leq 20\%$						
	Flicker Percent	<60%						
	Driver Brand	Rugged Grade						
	Driver Model	TS-060						
	Driver Surge protection	L/N-PE: 4kV, L-N: 4kV						
	Dimming	0-10V dimming standard						
MATERIALS	LED Brand	HongLi						
	LED Type	SMD2835 (0.5W)						
	LED QTY	165 PCS						
	Housing	Die-cast aluminum						
	Housing Color	White, or Customized						
	Waterproof Rating	WET (IP65)						
OTHERS	Operating Temperature	-40°C TO +45°C						
	Storage Temperature	-40°C TO 80°C						
	Operating Humidity	20% - 90% RH						
	Storage Humidity	10%-95% RH						
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C.						



LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category:
 Lamp Catalog:
 Number of Lamps:
 Luminous Length (mm):
 Luminous Height (mm):
 Current: 0.460 A
 Power Factor: 0.985

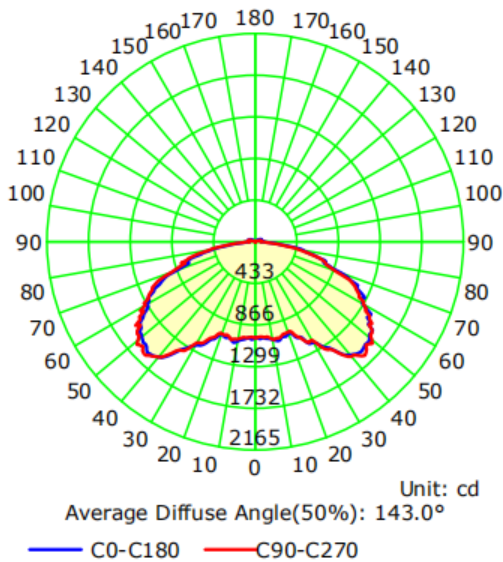
Luminaire Description:
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 120.0 V
 Power: 54.36 W

Photometric Results

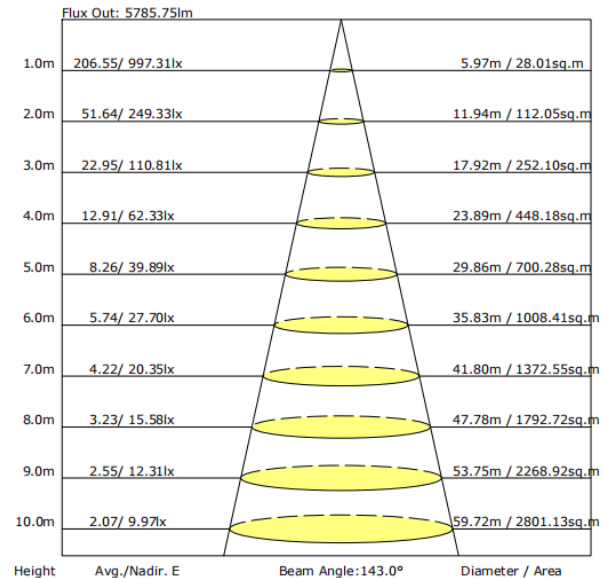
CIE Class: Direct
 Measurement Flux: 6841.1 lm
 Downward Ratio: 97%
 Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 170.7, 170.7, 172.6, 172.5
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 143.0, 143.1, 143.1, 143.5
 Luminaire Efficacy Rating (LER): 125.90
 Max. Intensity: 1732.77 cd
 S/MH(C0/C180): 2.14

Total Rated Lamp Lumens: 6841.1 lm
 Efficiency: 100%
 Upward Ratio: 3%
 C0r0 Intensity: 997.31 cd
 Pos of Max. Intensity: H225 V57
 S/MH(C90/C270): 2.16

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure





RGL-POLARIS2-55WASA2-a[S;Blank][M;Blank]50[EM;Blank]

Manufacturer: RuggedGrade
Brand: RuggedGrade

PRODUCT OVERVIEW

Classification	Premium
Primary Use	Parking Garage Luminaires
Reported Input Wattage	52.67 W
Reported Light Output	7044.5 lm
Reported CCT	5000 K
Reported CRI (Ra)	80
Product ID	PL77F7Z1ZIEP
DLC Family Code	EMWABD
Listing Status	Listed
Date Qualified	2021-03-12

PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version 1	5.1
Product ID 1	PL77F7Z1ZIEP
Manufacturer 1	RuggedGrade
Brand	RuggedGrade
Model Number	RGL-POLARIS2-55WASA2-a[S;Blank][M;Blank]50[EM;Blank]
Parent 1	No
Classification 1	Premium

PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

PRODUCT CAPABILITIES

[VIEW DETAILS](#)

REPORTED PHOTOMETRIC PERFORMANCE

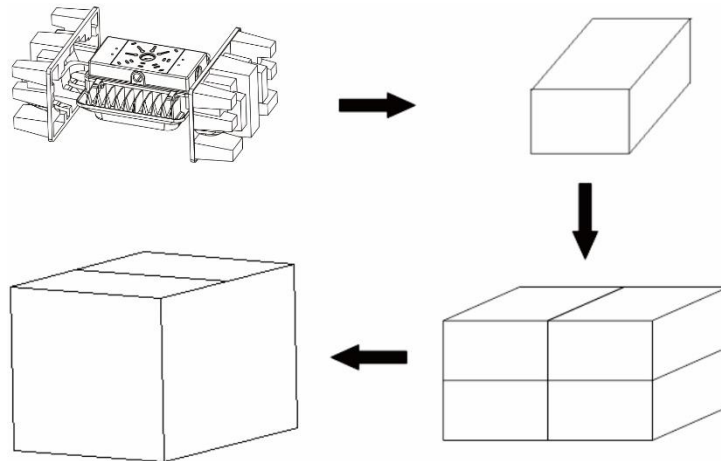
Reported Backlight (TM-15 BUG) 1	2
Reported Uplight (TM-15 BUG) 1	3
Reported Glare (TM-15 BUG) 1	2
Reported Light Output 1	7044.5 lm
Reported Efficacy (AC) 1	133.76 lm/W
Reported CCT 1	5000 K
Reported CRI (Ra) 1	80



PACKAGE

	Size	Qty / Carton	Gross Weight / Carton
Outer box	549*421*131 mm	4 PCS	18.8 KG

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



NOTICE FOR USERS

- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- Do not look directly at the lamp when it is working. It should be used when no one is around.
- In order to ensure the bactericidal effect, please clean up the dust and stains on the luminous surface in time.
- Keep the room clean and dry when disinfecting the air with ultraviolet light. When the indoor temperature is lower than 20°C or the relative humidity is more than 60%, the irradiation time should be extended to ensure the disinfection effect.
- No-professionals, must not install and disassemble the lamps.

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 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



LEGENDARY RUGGEDGRADE QUALITY
LEGENDARY USA SUPPORT



US based
phone and online
customer support



ROCK SOLID
5 YEARS
WARRANTY

