



Hinged Opening for easy install - 100 Watt LED Canopy Light - 5 Year Warranty
- DLC 5.1 Premium Rated for Rebate Eligibility



P/N: RGL-POLARIS2-100W-abcd

Note:

RGL = Rugged Grade Lighting

POLARIS2 = Product series.

100W = 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;

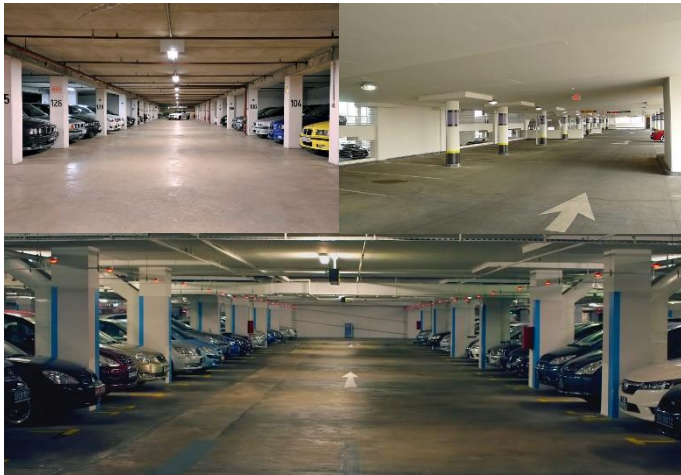
“c” can be M or blank;

represent Motion-sensor or None motion-sensor;

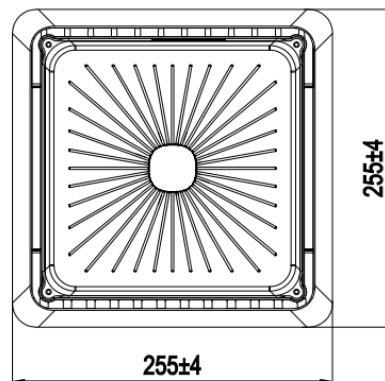
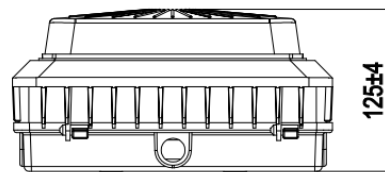
“d” can be any two digits to represent CCT, can be 30=3000K,

35=3500K, 40=4000K,

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



DIMENSION



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.



SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	100W
	Color Temperature	3000K 3500K 4000K 4500K 5000K 5700K 6500K
	Lumen (Tolerance : -10%)	13312LM 13399L 13487LM 13574LM 13662LM 13749LM 13924LM
	Efficacy (Tolerance : -3%)	130LM/W 131LM/W 132LM/W 133LM/W 135LM/W 136LM/W 138LM/W
	CRI	>80
	Color Consistency	<6 Steps (or <6 SDCM)
	BUG	B3-U3-G3
	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	Daermay
	Driver Model	MP-100T130A
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV
	Dimming	0-10V dimming standard
MATERIALS	LED Brand	HongLi
	LED Type	SMD2835 (1W)
	LED QTY	140 PCS
	Housing	Die-cast aluminum
	Housing Color	White, or Customized
	Waterproof Rating	WET (IP65)
OTHERS	Operating Temperature	-30°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.





RGL-POLARIS2-100WASA2-a[S;Blank][M;Blank]50

Manufacturer: RuggedGrade
Brand: RuggedGrade

PRODUCT OVERVIEW

Classification	Premium
Primary Use	Parking Garage Luminaires
Reported Input Wattage	101.31 W
Reported Light Output	13686.5 lm
Reported CCT	5000 K
Reported CRI (Ra)	80
Product ID	PLFEQU4YLQWH
DLC Family Code	EMWABE
Listing Status	Listed
Date Qualified	2021-03-12

PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	PLFEQU4YLQWH
Manufacturer	RuggedGrade
Brand	RuggedGrade
Model Number	RGL-POLARIS2-100WASA2-a[S;Blank][M;Blank]50
Parent	No
Classification	Premium

PRODUCT CATEGORIZATION [VIEW DETAILS](#)

PRODUCT CAPABILITIES [VIEW DETAILS](#)

REPORTED PHOTOMETRIC PERFORMANCE

Reported Backlight (TM-15 BUG)	3
Reported Light Output	13686.5 lm
Reported Efficacy (AC)	135.1 lm/W
Reported CCT	5000 K
Reported CRI (Ra)	80
Reported R9	2
Reported IES Rf	84
Reported IES Rg	96



LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category:
 Lamp Catalog:
 Number of Lamps:
 Luminous Length (mm):
 Luminous Height (mm):
 Current: 0.847 A
 Power Factor: 0.995

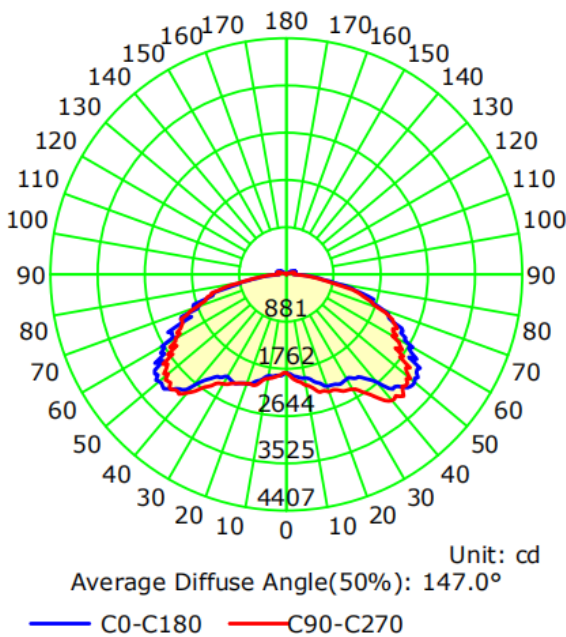
Luminaire Description:
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 120.0 V
 Power: 100.97 W

Photometric Results

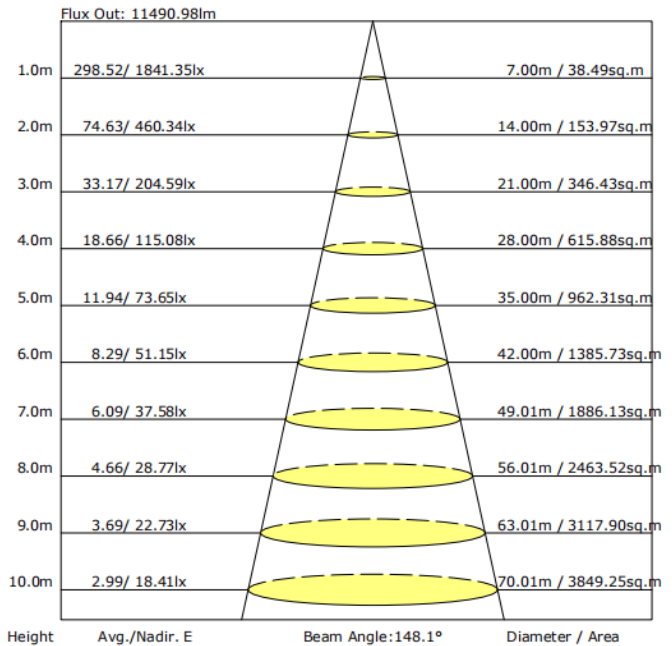
CIE Class: Direct
 Measurement Flux: 13312.3 lm
 Downward Ratio: 96%
 Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 173.7, 173.5, 172.7, 173.1
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 148.1, 146.0, 138.8, 138.6
 Luminaire Efficacy Rating (LER): 131.89
 Max. Intensity: 3525.98 cd
 S/MH(C0/C180): 2.24

Total Rated Lamp Lumens: 13312.3 lm
 Efficiency: 100%
 Upward Ratio: 4%

Luminous Intensity Distribution Curve



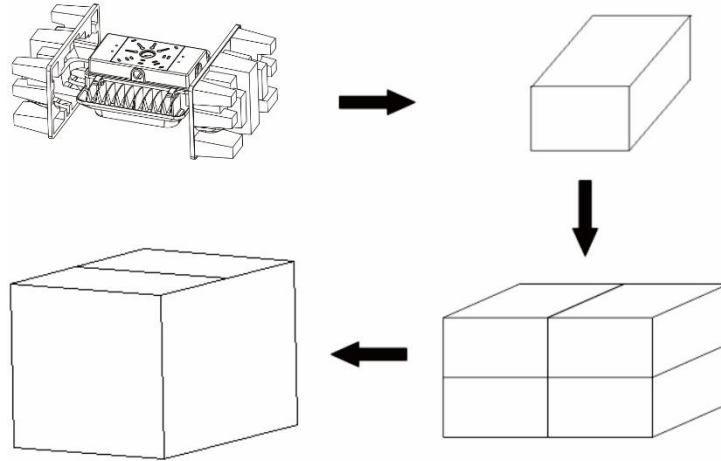
The Average Illuminance Effective Figure



PACKAGE

	Size	Qty/ Carton	Lamps Net Weight	Weight/ Carton
Inner box	305*300*185 MM	1 PC	2.8KG	3.4KG
Outer box	390*315*325 MM	2 PCS	5.6KG	6.8KG

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



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.**

UL CERTIFIED LISTED

LEGENDARY RUGGEDGRADE QUALITY
LEGENDARY USA SUPPORT

US based phone and online customer support

ROCK SOLID 5 YEARS WARRANTY

