



Our new Radium II Series has redefined the game for LED Canopy Lights by adding Tunable Tech from RuggedGrade giving you control to change the color temperature directly on the fixture

P/N : RGL-RADIUM2-55WBSDA1-abcd

Note:

RGL= RuggedGrade Lighting

PG05C = Product series, LED Parking Garage Light

55W = Rating Power

“B”= Lumileds 2835 ,LED manufacturer,

“S” = Cover type, Clear Stripe PC,

“D” =dual color temperature , representing the Led Module type,

“A1” = Version number,

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

WH=White, or Customized;

“b” can be S or blank;

represent Surge protector or None Surge protector;

“c” can be “DMS” , “DPS” , “Z” or blank

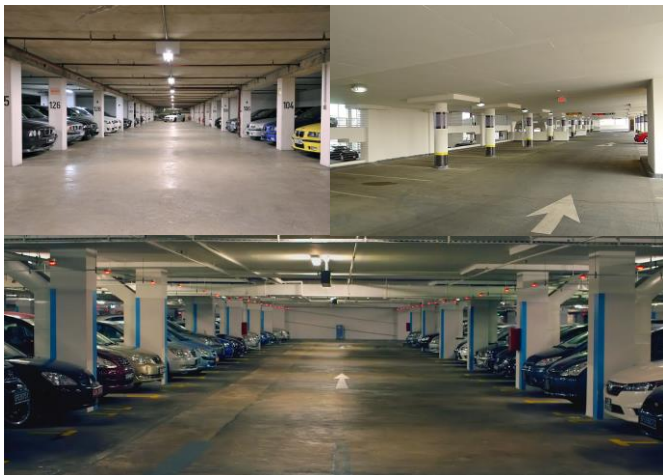
for DC Motion Microwave sensor

or DC Motion PIR sensor

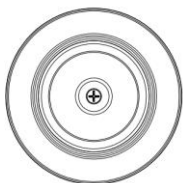
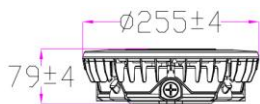
or ZHAGA or no sensor provided;

“d” can be any two digits to represent CCT, can be

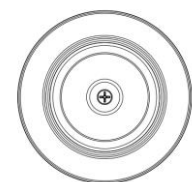
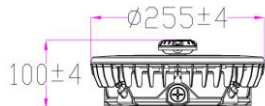
30=3000K, 40=4000K, 50=5000K.



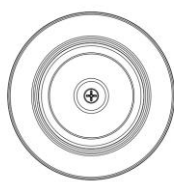
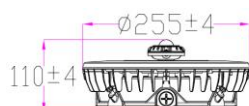
DIMENSIONS



Regular



With DC Motion Microwave sensor



With DC Motion PIR sensor

ADVANTAGE

- UL cUL DLC-V5.1(Premium) certificate.
- IP65 driver, input voltage 120-277VAC.
- 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.
- Color-Tunable, can be adjusted the CCT to 3000K, 4000K and 5000K.

APPLICATION

- ◆ Widely used in gas station, service station, underground parking lot, warehouse, garage;
- ◆ Work floor, factory and so on.



SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	55W		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen (Tolerance : -10%)	7733 LM	8284 LM	8072 LM
	Efficacy (Tolerance : -3%)	143 LM/W	159 LM/W	150 LM/W
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	BUG	B3-U3-G2		
	Diffuser Type	Clear Stripe PC		
	Beam Angle (50%) (Tolerance : ±15%)	150 Degree		
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz;		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<60%		
	Driver Brand	RuggedGrade Lighting		
	Driver Model	RuggedGrade Lighting Driver		
	Driver Surge protection	L/N-PE: 4kV, L-N: 4kV		
	Dimming	0-10V dimming standard		
MATERIALS	LED Brand	Lumileds 2835		
	LED Type	SMD2835 (0.5W)		
	LED QTY	120 PCS 3000K+120 PCS 5000K		
	Housing	Die-cast aluminum		
	Housing Color	White, or Customized		
	Waterproof Rating	WET (IP65)		
OTHERS	Operating Temperature	Without Motion Sensor:-40°C TO +45°C		
		With Motion Sensor:-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.			



55 WATT RADIUM SERIES LED CANOPY LIGHTS

55 Watt - 10 Inches Round



LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category:
 Lamp Catalog:
 Number of Lamps:
 Luminous Length (mm):
 Luminous Height (mm):
 Current: 0.457 A
 Power Factor: 0.985

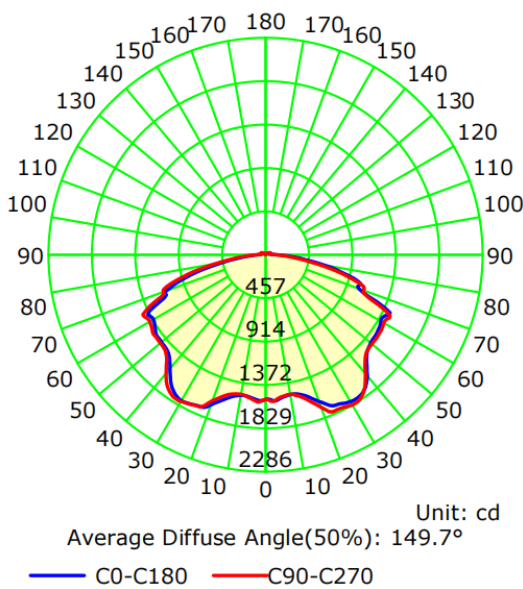
Luminaire Description:
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 120.0 V
 Power: 54.07 W

Photometric Results

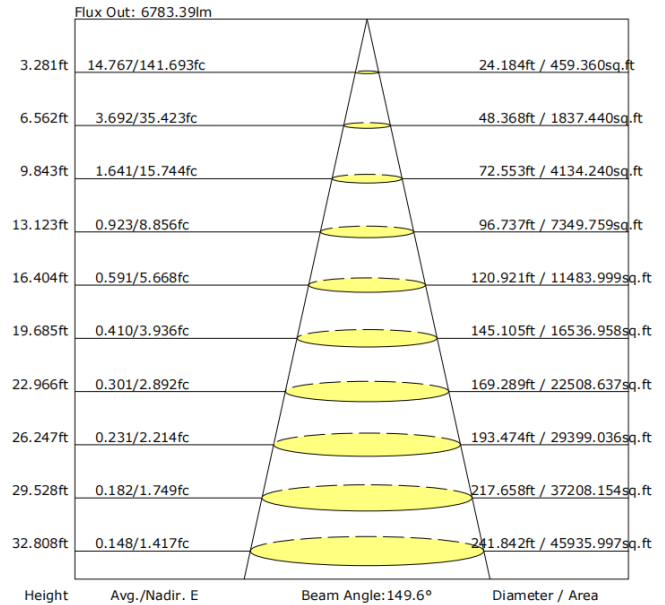
CIE Class: Direct
 Measurement Flux: 7733.3 lm
 Downward Ratio: 97%
 Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 174.1, 174.1, 174.3, 173.8
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 149.6, 149.7, 149.4, 149.8
 Luminaire Efficacy Rating (LER): 143.07
 Max. Intensity: 1829.57 cd
 S/MH(C0/C180): 1.63

Total Rated Lamp Lumens: 7733.3 lm
 Efficiency: 100%
 Upward Ratio: 3%
 C0r0 Intensity: 1525.17 cd
 Pos of Max. Intensity: H90 V31
 S/MH(C90/C270): 1.64

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



Product ID: S-1WSN8B



RGL-RADIUM2-55WBSDA1-abcd

Manufacturer: RuggedGrade
Brand: RuggedGrade

PRODUCT OVERVIEW

Classification	Premium
Primary Use	Parking Garage Luminaires
Reported Input Wattage	54.1 W
Reported Light Output	7733 lm
Reported CCT	3000 K
Reported CRI (Ra)	73
Product ID	S-1WSN8B
DLC Family Code	SLFAJK
Listing Status	Listed
Date Qualified	2023-03-06

PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	S-1WSN8B
Manufacturer	RuggedGrade
Brand	RuggedGrade
Model Number	RGL-RADIUM2-55WBSDA1-abcd
Parent	No
Classification	Premium

PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

PRODUCT CAPABILITIES

[VIEW DETAILS](#)

REPORTED PHOTOMETRIC PERFORMANCE

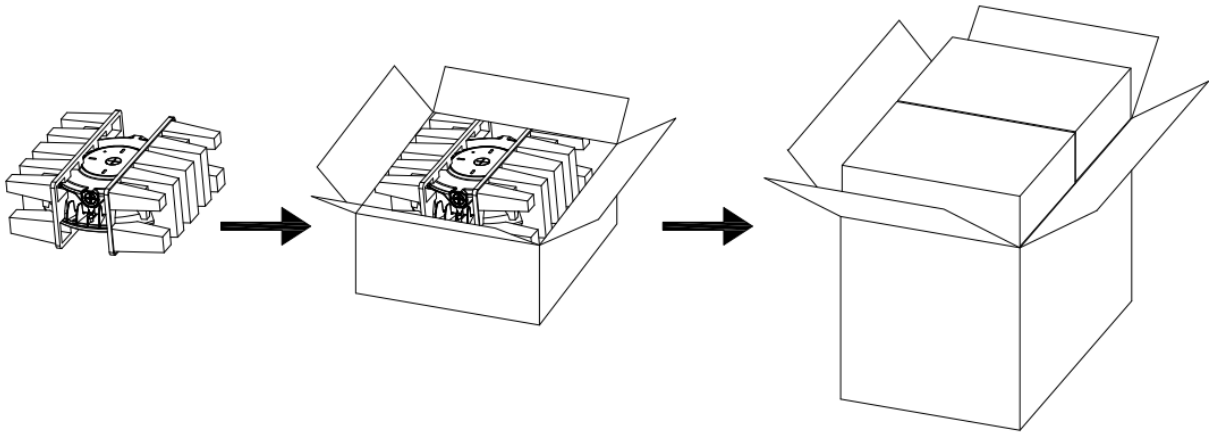
Reported Light Output	7733 lm
Reported Efficacy (AC)	143.02 lm/W
Reported CCT	3000 K
Reported CRI (Ra)	73
Reported R9	-16
Reported IES Rf	73
Reported IES Rg	98
Reported IES Rcs,h1	-14



PACKAGE

	Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner box	300*300*140 mm	1 PCS	1.8 KG	2.26 KG
Outer box	320*300*320 mm	2 PCS	3.6 KG	5.32 KG

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



NOTICE FOR USER

- 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.
- 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



LEGENDARY RUGGEDGRADE QUALITY
LEGENDARY USA SUPPORT



US based
phone and online
customer support



ROCK SOLID
5 YEARS
WARRANTY

