

PRODUCT DESCRIPTION

Ultimate Versatility in Lighting! The new Tigan Series is now packed with Color Selectable Technology from RuggedGrade giving you control to choose Kelvin Color on fixture! With a High Efficiency of up to 140 Lumen to Watt.

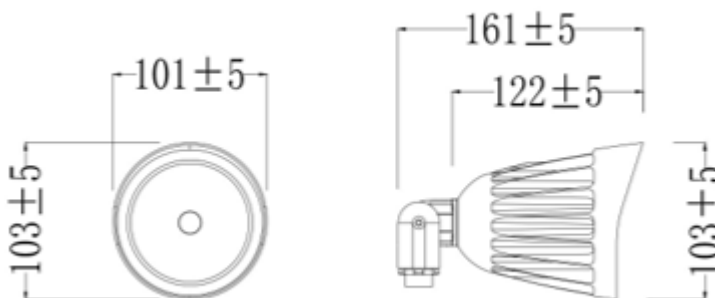


DLC #: RGL-VEXI-25W

PRODUCT FEATURES & COMMON USE APPLICATIONS

- | | |
|---|---|
| <ul style="list-style-type: none"> ➤ UL cUL DLC 5.1 Premium certificate. ➤ Bridgelux Chip, high CRI ➤ IP65 driver, input voltage 120-277VAC. ➤ Color Adjustable. ➤ 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. | <ul style="list-style-type: none"> ➤ Outdoor basketball court, tennis court. ➤ Badminton court, the football field. ➤ The school playground, stadium. ➤ Community leisure entertainment plaza, ➤ Warehouse, factory and workshops ; ➤ Highway toll station ; ➤ Meeting room, exhibition hall ; ➤ Gymnasium and supermarkets, etc. |
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PRODUCT DIMENSIONS



LEGENDARY USA SUPPORT



US based phone and online customer support





PRODUCT TECHNICAL SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	25W		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen(Tolerance: $\pm 10\%$)	3125LM	3500LM	3375LM
	Efficacy(Tolerance : $\pm 3\%$)	125LM/W	140LM/W	135LM/W
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	Distribution Pattern	5H5V		
	Field Angle (10%) (Tolerance : $\pm 15\%$)	85 Degree		
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥ 0.9		
	THD (Tolerance : +5%)	$\leq 20\%$		
	Flicker Percent	<80%		
	Driver Brand	March		
	Driver Model	HB-FL17F025		
	Driver Surge protection	L-N 2.5KV, L&N-PE 2.5KV		
	Dimming	0-10V dimming standard		
	Sensor Type	None		
	Optional Accessory	Surge protector		
	MATERIALS	LED Brand	Lumileds	
LED Type		SMD2835		
LED QTY		84		
Housing		Die-cast aluminum		
Housing Color		Brown, Black, or Customized		
EPA		.2 ft ²		
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		

PRODUCT MOUNTS & ACCESSORIES



PRODUCT IMAGES & ACTUAL INSTALLATIONS



PHOTOMETRICS & DLC PRODUCT SPEC

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category:
 Lamp Catalog:
 Number of Lamps:
 Luminous Length (mm):
 Luminous Height (mm):
 Current: 0.202 A
 Power Factor: 0.993

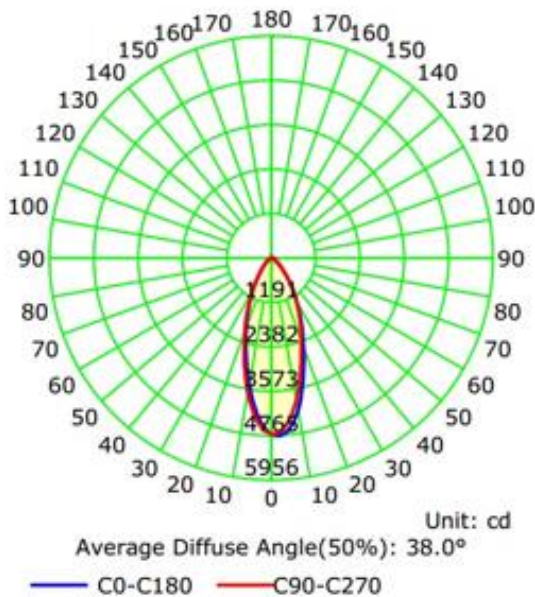
Luminaire Description:
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 120.0 V
 Power: 24.06 W

Photometric Results

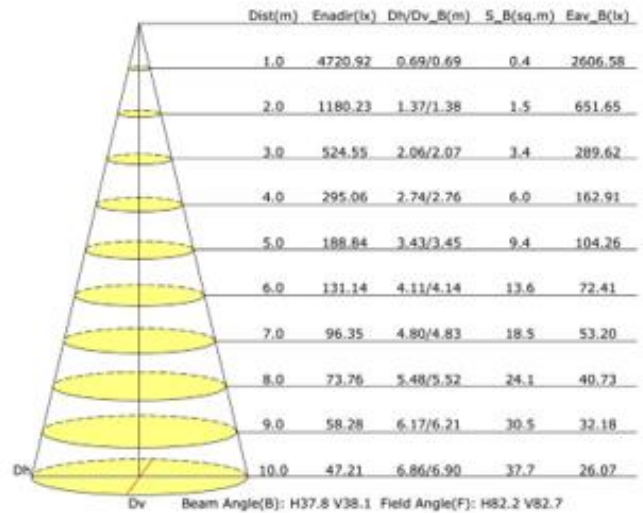
IES Classification: Type I
 Total Rated Lamp Lumens: 3063.3 lm
 Efficiency: 100%
 Upward Ratio: 2%
 C0r0 Intensity: 4720.92 cd
 Pos of Max. Intensity: H0 V3
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 37.8, 38.1, 38.1, 37.9

Longitudinal Classification: Very Short
 Measurement Flux: 3063.3 lm
 Downward Ratio: 98%
 Luminaire Efficacy Rating (LER): 127.37
 Max. Intensity: 4765.04 cd

Luminous Intensity Distribution Curve



Illuminance at a Distance



Product ID: S-LB90Z1 ✕



RGL-VEXI-25WBH5DA1-a30/40/50

Manufacturer: RuggedGrade
Brand: RuggedGrade

PRODUCT OVERVIEW

Classification	Premium
Primary Use	Architectural Flood and Spot Luminaires
Reported Input Wattage	24.1 W
Reported Light Output	3063 lm
Reported CCT	3000 K
Reported CRI (Ra)	83
Product ID	S-LB90Z1
DLC Family Code	SLFAKB
Listing Status	Listed
Date Qualified ⁱ	2023-03-21

PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version ⁱ	5.1
Product ID ⁱ	S-LB90Z1
Manufacturer ⁱ	RuggedGrade
Brand	RuggedGrade
Model Number ⁱ	RGL-VEXI-25WBH5DA1-a30/40/50
Parent ⁱ	Yes
Classification ⁱ	Premium

PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

CONTROL FEATURES

[VIEW DETAILS](#)

REPORTED PHOTOMETRIC PERFORMANCE

Reported Light Output ⁱ	3063 lm
Reported Efficacy (AC) ⁱ	127.32 lm/W
Reported CCT ⁱ	3000 K
Reported CRI (Ra) ⁱ	83
Reported R9 ⁱ	11
Reported IES Rf	85
Reported IES Rg	96
Reported IES Rcs,h1	-11

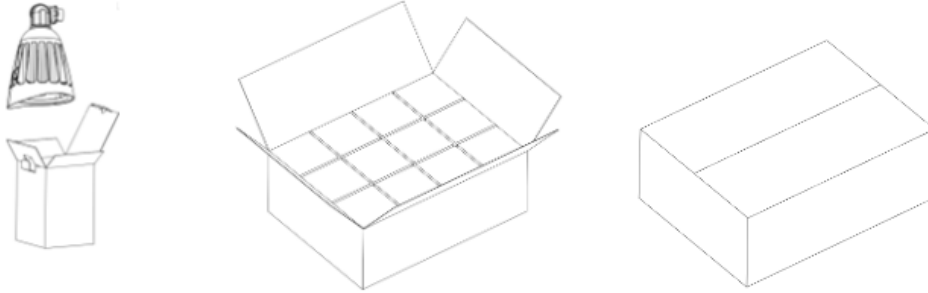


PRODUCT PACKAGING

PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / PCS	Gross Weight / Carton
AM	439*333*187mm	12PCS	0.39KG	5.8KG

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



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



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.**

