

## PRODUCT DESCRIPTION

Ultimate Versatility in Lighting! The new Kivo II CS is now packed with Tunable Technology from RuggedGrade giving you control to choose Kelvin Color & Wattage on fixture! With a High Efficiency of up to 145 Lumen to Watt, this version now gives you Dusk to Dawn lighting capability and comes with a port for an optional motion sensor, so you decide your best lighting options!

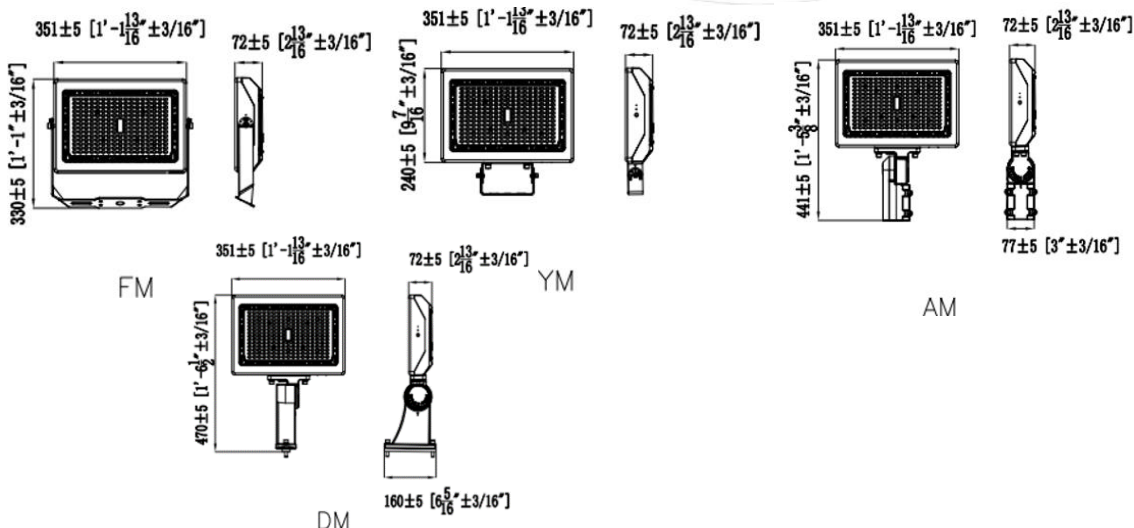


**DLC #: RGL-KIVO2-200WBH8DA1**

## PRODUCT FEATURES & COMMON USE APPLICATIONS

- 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.
- 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.

## PRODUCT DIMENSIONS



Rugged Grade Lighting  
Industrial Grade Solutions



## LEGENDARY USA SUPPORT

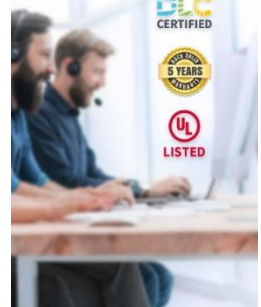


US based  
phone and online  
customer support

DLC  
CERTIFIED

5 YEARS  
WARRANTY

UL  
LISTED



888-953-2476  
sales@ruggedgrade.com



## PRODUCT TECHNICAL SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	200W
	Color Temperature (Color Tunable)	5000K
	Lumen(Tolerance: ±10%)	28000LM
	Efficacy(Tolerance : ±3%)	140LM/W
	CRI	>70
	Color Consistency	<6 Steps (or <6 SDCM)
	Distribution Pattern	7H6V
	Field Angle (10%) (Tolerance : ±15%)	150*130 Degree
<b>ELECTRICAL</b>	Input Voltage and Frequency	120-277VAC, 50/60Hz
	PF (Tolerance : -3%)	≥0.9
	THD (Tolerance : +5%)	≤20%
	Flicker Percent	<5%
	Driver Brand	RG
	Driver Model	RG-200W-120V
	Driver Surge protection	L-N 4KV,L&N-PE 4KV
	Dimming	0-10V dimming standard
	Sensor Type	Exterior Photocell / Integral Sensor Receptacle
	Optional Accessory	Photocell / Surge protector
	<b>MATERIALS</b>	LED Brand
LED Type		SMD3030
LED QTY		221
Housing		Die-cast aluminum
Housing Color		Brown, Black, or Customized
Waterproof Rating		WET (IP65)
Operating Temperature		-40°C TO 50°C
<b>OTHERS</b>	Storage Temperature	-40°C TO 80°C
	Operating Humidity	10% - 90% RH
	Storage Humidity	10% - 95% RH
	Warranty	5 years

## PRODUCT MOUNTS & ACCESSORIES

**AM**



**YM**



**FM**



## PRODUCT IMAGES & ACTUAL INSTALLATIONS





## PHOTOMETRICS

### Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 295

Luminous Height (mm):

Current: 1.710 A

Power Factor: 0.994

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 175

Voltage: 120.0 V

Power: 204.02 W

### Photometric Results

IES Classification: Type II

Total Rated Lamp Lumens: 27327.4 lm

Efficiency: 100%

Upward Ratio: 0%

C0r0 Intensity: 10559.49 cd

Pos of Max. Intensity: H270 V8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 127.1, 88.7, 104.2, 104.4

Longitudinal Classification: Very Short

Measurement Flux: 27327.4 lm

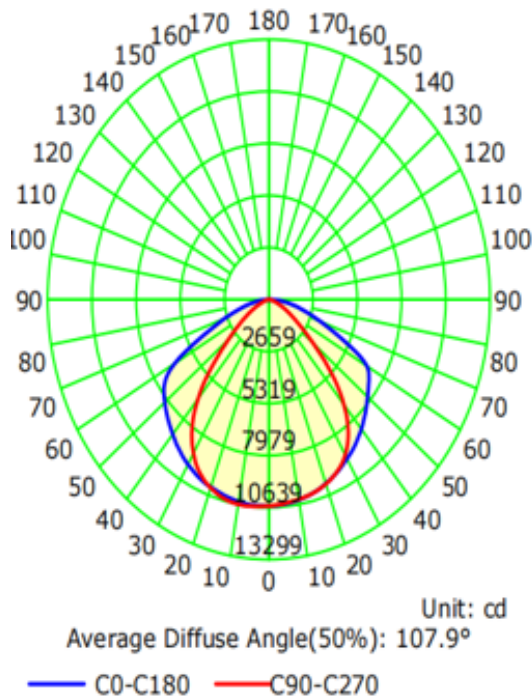
Downward Ratio: 100%

Luminaire Efficacy Rating (LER): 133.99

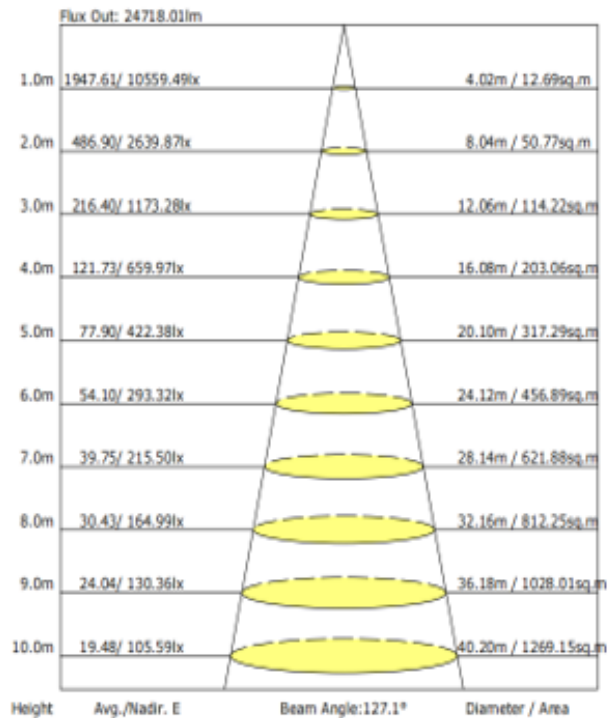
Max. Intensity: 10639.85 cd

### LIGHT DISTRIBUTION TESTING PARAMETERS

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



## DLC SPECS

Product ID: S-3B6MTS

X



### RGL-KIVO2-200WJH8A3-abcd50

Manufacturer: RuggedGrade  
Brand: RuggedGrade



#### PRODUCT OVERVIEW

Model Number	RGL-KIVO2-200WJH8A3-abcd50
Classification	Premium
Primary Use	Architectural Flood and Spot Luminaires
Reported Input Wattage	204.4 W
Reported Light Output	28173 lm
Reported CCT	5000 K
Reported CRI (Ra)	74
Product ID	S-3B6MTS
DLC Family Code	SLFAIG
Listing Status	Listed
Date Qualified	2023-03-06

#### PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	S-3B6MTS
Manufacturer	RuggedGrade
Brand	RuggedGrade
Model Number	RGL-KIVO2-200WJH8A3-abcd50
Parent	No
Classification	Premium

#### PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

#### CONTROL FEATURES

[VIEW DETAILS](#)

#### REPORTED PHOTOMETRIC PERFORMANCE

Reported Light Output	28173 lm
Reported Efficacy (AC)	137.82 lm/W
Reported CCT	5000 K
Reported CRI (Ra)	74
Reported R9	-34
Reported IES Rf	78
Reported IES Rg	92
Reported IES Rcs, I <sub>r1</sub>	-17

#### REPORTED ELECTRICAL PERFORMANCE

Reported Input Wattage	204.4 W
Reported Total Harmonic Distortion	15 %
Reported Power Factor	0.9
Reported Maximum Input Wattage	204.4
Reported Default Input Wattage	204.4 W
Voltage Range	120-277 V



## PRODUCT PACKAGING

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
FM	433*403*190mm [17.04*15.86*7.48 inch]	1 pcs	6.4kg [14.1LBS]	7.5kg [16.53LBS]
1/2AM		1 pcs	6.2kg [13.66LBS]	7.3kg [15.87LBS]
YM		1 pcs	6.2kg [13.66LBS] LBS]	7.3kg [15.87LBS]
AM	520*400*160mm [20.47*15.74*6.29 inch]	1 pcs	7.1kg [15.65LBS]	8.6kg [18.95LBS]
DM		1 pcs	7.5kg [16.53LBS]	9.0kg [19.84LBS]

\*Tolerance of Carton Size: ±15 MM, Tolerance of Weight: ±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.

