

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!

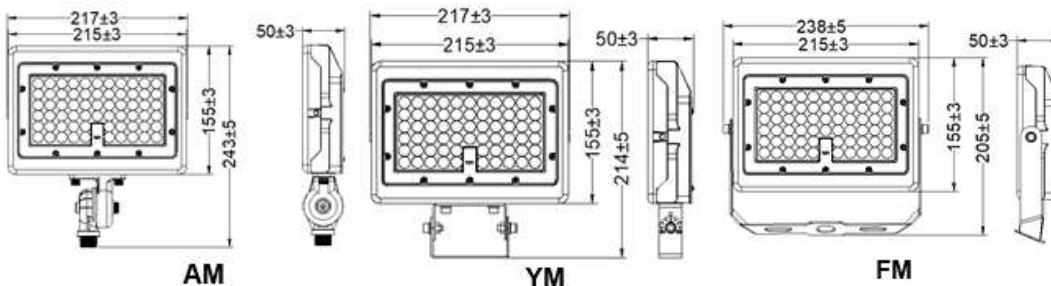


DLC #: RGL-KIVO2-80WBH8DA1

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



LEGENDARY USA SUPPORT



PRODUCT TECHNICAL SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	80W		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen(Tolerance: ±10%)	10320LM	11600LM	10880LM
	Efficacy(Tolerance : ±3%)	129LM/W	145 LM/W	136LM/W
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	Distribution Pattern	7H7V		
	Field Angle (10%) (Tolerance : ±15%)	150 Degree		
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<30%		
	Driver Brand	HBE		
	Driver Model	HB-FL19F080		
	Driver Surge protection	L/N-PE: 2.5kV, L-N: 2.5kV		
	Dimming	0-10V dimming standard		
	Sensor Type	No Sensor		
	Optional Accessory	Surge-protective Device		
MATERIALS	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	128 PCS*2		
	Housing	Die-cast aluminum		
	Housing Color	Brown, Black, or Customized		
	EPA	0.56 ft²		
	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	20% - 95% RH		
	Warranty	5 years		

PRODUCT MOUNTS & ACCESSORIES

AM



YM



FM



PRODUCT IMAGES & ACTUAL INSTALLATIONS

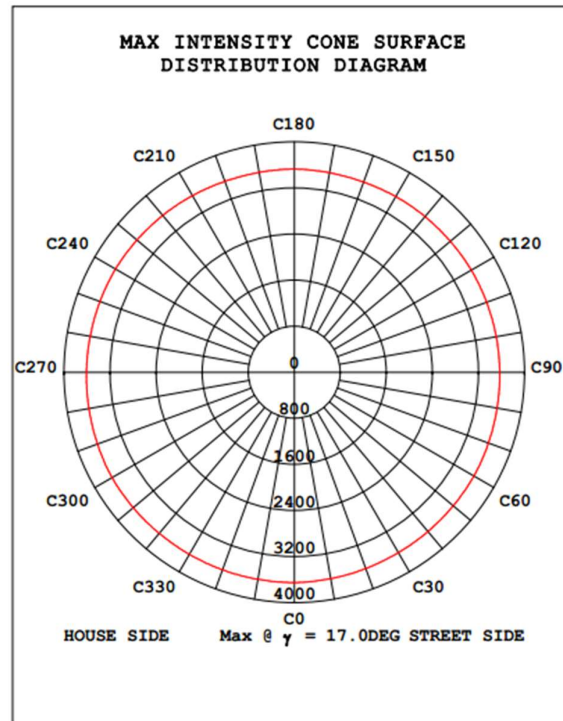
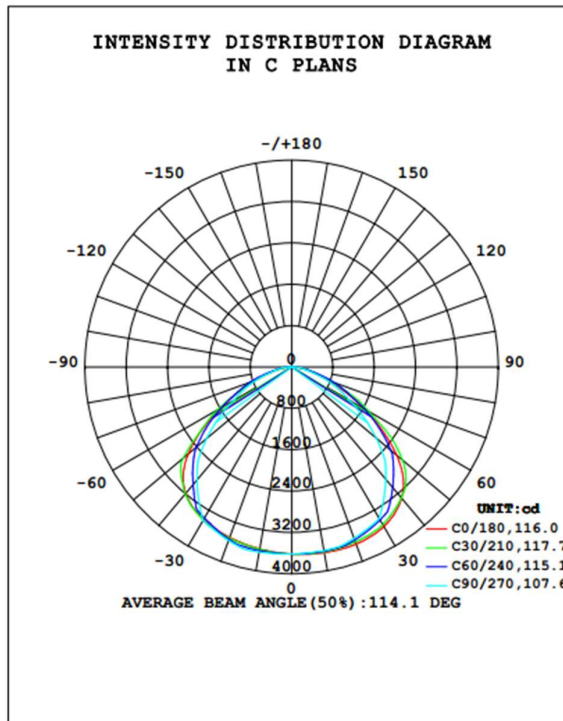


PHOTOMETRICS & DLC PRODUCT SPEC

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:121.42V I:0.6571A P:78.668W PF:0.9861 Freq:60.00Hz Lamp Flux:10860.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 138.06 lm/W
MODEL		Imax (cd)	3658	η street_up (%)	0.0	
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	49.8	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	10861	η house_up (%)	0.0	
NOMINAL FLUX (lm)	10860.9	MAXIMUM @ (C, γ)	300,17.0	η house_down (%)	50.2	
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA(m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	21.619	



Product ID: S-10NFQ5



RGL-KIVO2-80WBH8DA1-abcde

Manufacturer: RuggedGrade
Brand: RuggedGrade

PRODUCT OVERVIEW

Classification	Premium
Primary Use	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires
Reported Input Wattage	80.2 W
Reported Light Output	10356 lm
Reported CCT	3000 K
Reported CRI (Ra)	82
Product ID	S-10NFQ5
DLC Family Code	SLFAKD
Listing Status	Listed
Date Qualified	2023-03-21

PRODUCT INFORMATION

Product ID	S-10NFQ5
Manufacturer	RuggedGrade
Brand	RuggedGrade
Model Number	RGL-KIVO2-80WBH8DA1-abcde
Parent	No
Classification	Premium
DLC Family Code	SLFAKD
Input Power Type	AC

PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

PRODUCT CAPABILITIES

[VIEW DETAILS](#)

REPORTED PHOTOMETRIC PERFORMANCE

Reported Light Output	10356 lm
Reported Efficacy (AC)	129.13 lm/W
Reported CCT	3000 K
Reported CRI (Ra)	82
Reported R9	5
Reported IES Rf	84
Reported IES Rg	97
Reported IES Rcs,h1	-12

REPORTED ELECTRICAL PERFORMANCE

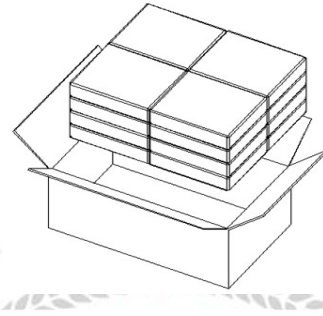
Reported Input Wattage	80.2 W
Reported Total Harmonic Distortion	15 %
Reported Power Factor	0.9
Reported Maximum Input Wattage	80.2
Reported Default Input Wattage	80.2 W
Voltage Range	120-277 V



PRODUCT PACKAGING

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM, YM, FM	Outer box:471*325*295mm	6 PCS	9Kg	11.5Kg
	Inner box:275*75*310mm	1 PC	1.5Kg	1.8Kg

*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.

