



The Top Rated NextGen Series Gets Better! The NextGen III Series has 140+ Lumens per Watt, bigger VP driver and is DLC 5.1 Premium Rated! New pop open driver compartment for fast access, 7 year warranty and an easy to install motion sensor option.

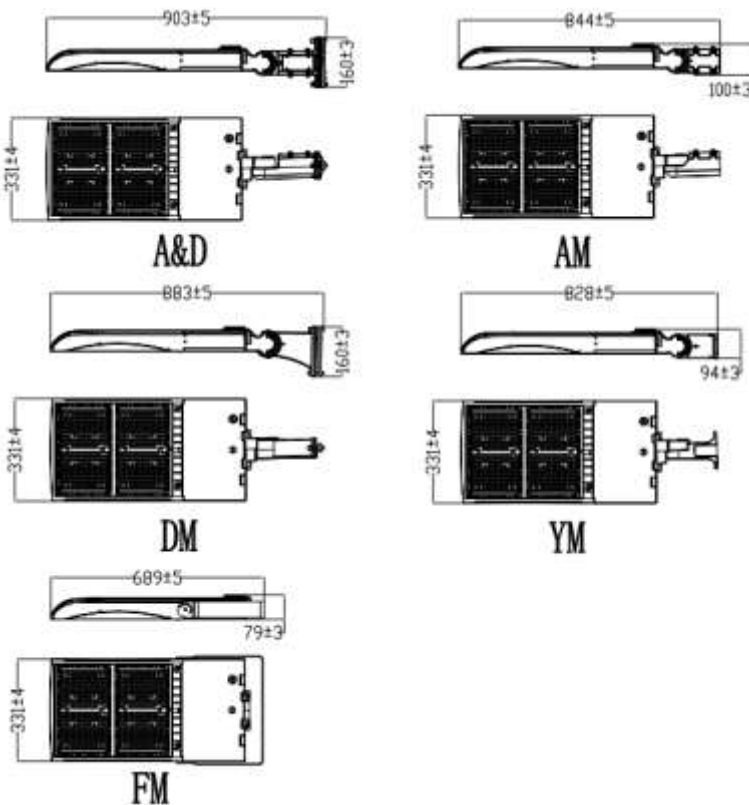


P/N:RGL-NEXTGEN3-500XYA1-abcdefg

where:

- “a” can be any two letters to represent lamp colors;
BR=Brown, BH=Black, or Customized;
- “b” can be “AM”, “DM”, “YM”, “A&D” or
“FM” to represent mounting bracket types;
- “c” can be “DMS” for DC Motion Sensor, “DPS” for DC
PIR Sensor, “DP” for DC Photocontrol or blank for
no sensor provided;
- “d” can be “10SP” or “20SP” for Surge-protective
Device type provided or blank for no Surge-
Protective Device provided;
- “e” can be any two digits to represent CCT.
40=4000K, 45=4500K, 50=5000K, 57=5700K,
- “f” can be “3RP”, “3NP”, “5RP”, “5NP”, “7RP” or
“7NP” for Photocontrol type provided or blank
for no Photocontrol provided;

DIMENSIONS



ADVANTAGE

- UL certificate.
- Bridgelux Chip, high CRI.
- IP65 driver, input voltage 120-277VAC.
- Output constant current level 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

- Outdoor basketball court, tennis court.
- Pickleball court, the football field.
- The school playground, stadium.
- Parking lots, area and flood lighting,
road lighting, etc.

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	500W					
	Color Temperature	3000K	3500k	4000K	4500K	5000K	5700K
	Lumen (Tolerance : -10%)	65000LM	66500LM	70000LM	70000LM	70000LM	70000LM
	Efficacy (Tolerance : -3%)	130LM//W	133LM/W	140LM/W	140LM/W	140LM/W	140LM/W
	CRI	>70					
	Color Consistency	<6 Steps (or <6 SDCM)					
	BUG	B5-U0-G5					
	Distribution Pattern	Type III					
	Beam Angle (50%) (Tolerance : ±15%)	160*110 Degree					
ELECTRICAL	Input Voltage and Frequency	120-277Vac,50/60Hz					
	PF (Tolerance : -3%)	≥0.9					
	THD (Tolerance : +5%)	≤20%					
	Flicker Percent	<5%					
	Driver Brand	SOSEN					
	Driver Model	SS-240VP-56BH*2 - Sosen VP Driver with controls and 10KV surge					
	Driver Surge protection	L/N-PE: 10kV, L-N: 6kV					
	Dimming	0-10V dimming standard					
	Optional Accessory	Photocontrol, Surge-protective Device, Motion Sensor					
MATERIALS	LED Brand	Bridgelux					
	LED Type	SMD3030					
	LED QTY	616PCS					
	Housing	Die-cast aluminum					
	Housing Color	Brown, Black, or Customized					
	EPA	2.31 ft ²					
	Waterproof Rating	WET (IP65)					
OTHERS	Operating Temperature	Without Motion Sensor: -40°C TO 45°C; With Motion Sensor: -35°C TO 45°C					
	Storage Temperature	-40°C TO 80°C					
	Operating Humidity	20% - 90% RH					
	Storage Humidity	10% - 95% RH					
	Warranty	7 years warranty with 24/7 operating hours Luminaire lifetime at 25°C.					



Product ID: PLPJSB88JVK3



RGL-NEXTGEN3-500JT3A1-abc[10SP;20SP]50fW

Manufacturer: RuggedGrade

PRODUCT OVERVIEW

Model Number	RGL-NEXTGEN3-500JT3A1-abc[10SP;20SP]50fW
Product ID	PLPJSB88JVK3
QPL	Solid State Lighting
Manufacturer	RuggedGrade
Brand Name	RuggedGrade
Primary Use	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires
DLC Family Code	EMWAFM
Listing Status	Listed
Date Qualified	2021-08-17

PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version ¹	5.1
Product ID ¹	PLPJSB88JVK3
Manufacturer ¹	RuggedGrade
Brand	RuggedGrade
Model Number	RGL-NEXTGEN3-500JT3A1-abc[10SP;20SP]50fW
Parent ¹	No
Classification ¹	Premium

PRODUCT CATEGORIZATION

PRODUCT CAPABILITIES

REPORTED PHOTOMETRIC PERFORMANCE

Reported Backlight (TM-15 BUG) ¹	5
Reported Uplight (TM-15 BUG) ¹	0
Reported Glare (TM-15 BUG) ¹	4
Reported Light Output ¹	65396.6 lm
Reported Efficacy (AC) ¹	132.02 lm/W
Reported CCT ¹	5000 K
Reported CRI (Ra) ¹	70

LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category:
 Lamp Catalog:
 Number of Lamps:
 Luminous Length (mm):
 Luminous Height (mm):
 Current: 4.128 A
 Power Factor: 0.999

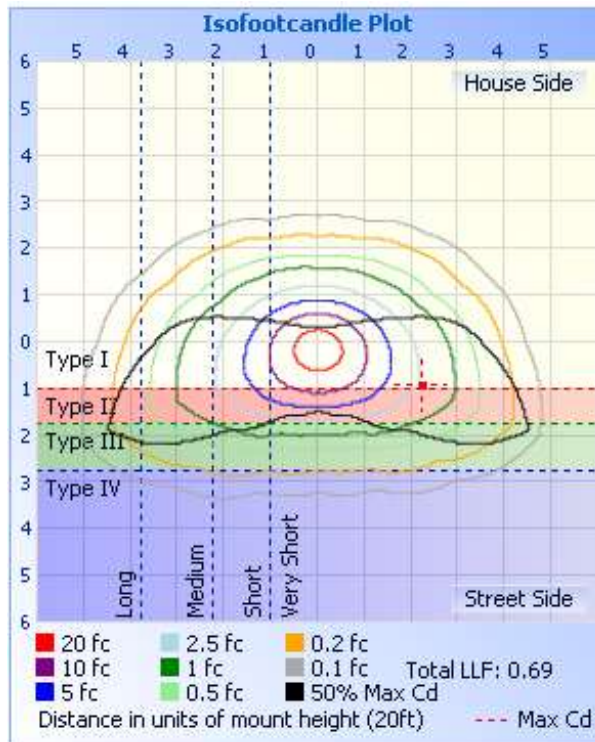
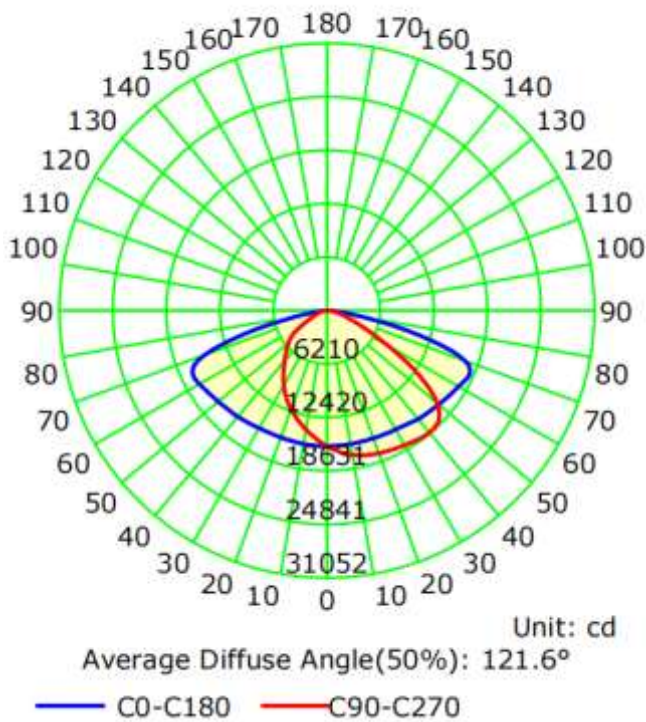
Luminaire Description:
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 120.0 V
 Power: 496.25 W

Photometric Results

IES Classification: Type III
 Total Rated Lamp Lumens: 62734.3 lm
 Efficiency: 100%
 Upward Ratio: 0%
 C0r0 Intensity: 15765.81 cd
 Pos of Max. Intensity: H22.5 V69

Longitudinal Classification: Medium
 Measurement Flux: 62734.3 lm
 Downward Ratio: 100%
 Luminaire Efficacy Rating (LER): 126.47
 Max. Intensity: 24841.96 cd

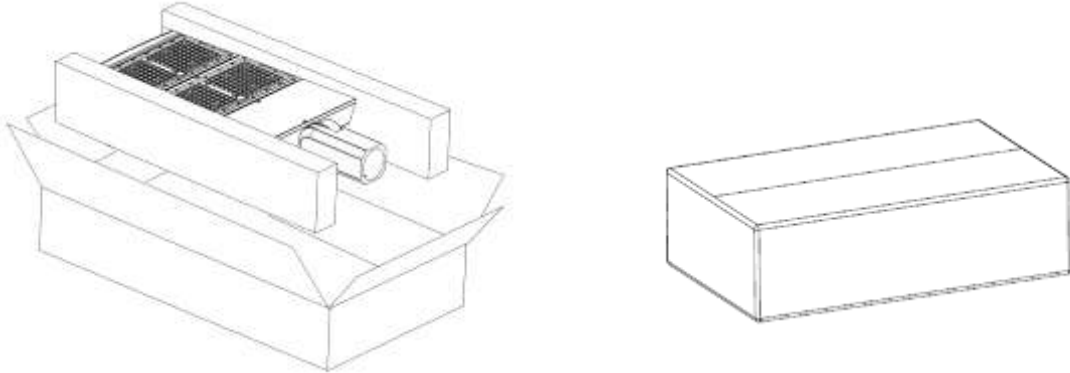
Luminous Intensity Distribution Curve



PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	915*380*155MM	1 PC	9KG	10KG
DM	915*380*155MM	1 PC	9.46KG	10.46KG
YM	915*380*155MM	1 PC	8.9KG	9.9KG
A&D	915*380*155MM	1 PC	9.81KG	10.81KG
FM	865*405*155MM	1 PC	8.66 KG	9.56KG

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.

TROUBLE SHOOTINGS

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.

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.**





