

PRODUCT DESCRIPTION

The Top Rated NextGen Series Gets Better! The NextGen Series has 150+ Lumens per Watt, bigger driver and is DLC 5.1 Premium Rated! New pop open Compartment for fast access and optional easy twist in Motion Sensor that can be programmed by a remote.

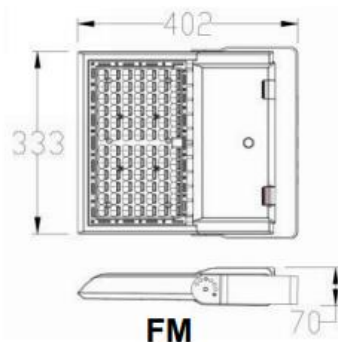
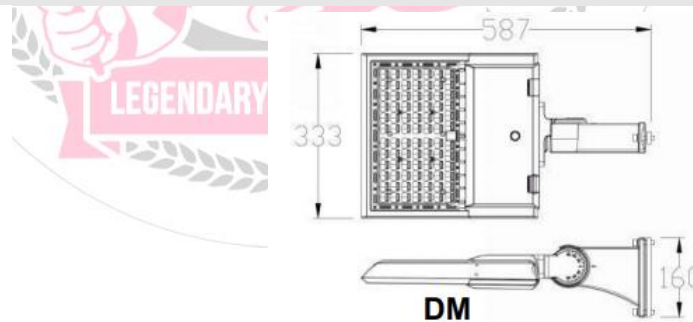
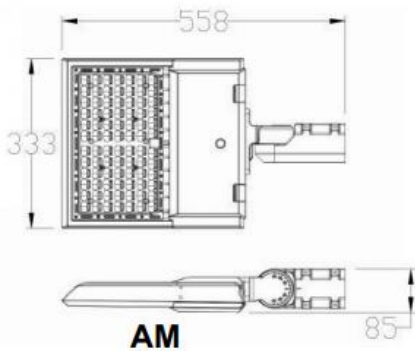


DLC #: RGL-SBXT-2-185WA50T3A2

PRODUCT FEATURES & COMMON USE APPLICATIONS

- | | |
|--|---|
| <ul style="list-style-type: none"> ➤ Lumileds Chip, high CRI; ➤ Input voltage 120-277VAC; ➤ Output constant current lever 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; | <ul style="list-style-type: none"> ➤ Outdoor basketball court, tennis court; ➤ Badminton court, the football field; ➤ The school playground, stadium; ➤ Community leisure entertainment plaza, road lamp etc; |
|--|---|

PRODUCT DIMENSIONS



LEGENDARY USA SUPPORT



US based phone and online customer support

DLC
CERTIFIED

5 YEARS
WARRANTY

UL
LISTED





PRODUCT TECHNICAL SPECIFICATIONS

| | | |
|-------------------|------------------------------------|---|
| OPTICAL | Input Power (Tolerance : ±10%) | 185W |
| | Color Temperature | 5000K |
| | Lumen (Tolerance : ±10%) | 29600 LM |
| | Efficacy (Tolerance : ±3%) | 160 LM/W |
| | CRI | >70 |
| | Color Consistency | <7 Steps (or <7 SDCM) |
| | Distribution Pattern | Type III |
| | Beam Angle (50%) (Tolerance : ±5%) | 140*50 Degree (Type III) |
| | Input Voltage and Frequency | 120-277VAC, 50/60Hz |
| ELECTRICAL | PF (Tolerance : -3%) | ≥0.9 |
| | THD (Tolerance : +5%) | ≤20% |
| | Flicker Percent | <5% |
| | Driver Brand | Meanwell |
| | Driver Model | HLG-185H-48AB |
| | Driver Surge protection | L/N-PE: 10kV, L-N: 6kV |
| | Dimming | 0-10V dimming standard |
| | Sensor Type | Occupancy Sensor, Exterior Photocell, Integral Sensor Receptacle |
| | Optional Accessory | Photocell / Surge protector/ Motion sensor/Socket |
| MATERIALS | LED Brand | Lumileds |
| | LED Type | SMD5050 |
| | LED QTY | 84 PCS |
| | Housing | Die-cast aluminum |
| | Housing Color | Brown, Black, or Customized |
| | EPA | 0.42 ft ² |
| | Waterproof Rating | WET (IP65) |
| OTHERS | Operating Temperature | Without Motion Sensor: -40°C TO 50°C; With Motion Sensor: -35°C TO 50°C |
| | Storage Temperature | -40°C TO 80°C |
| | Operating Humidity | 10% - 90% RH |
| | Storage Humidity | 5% - 95% RH |
| | Warranty | 5 years |

PRODUCT MOUNTS & ACCESSORIES



PRODUCT IMAGES & ACTUAL INSTALLATIONS



PHOTOMETRICS

Luminaire Property

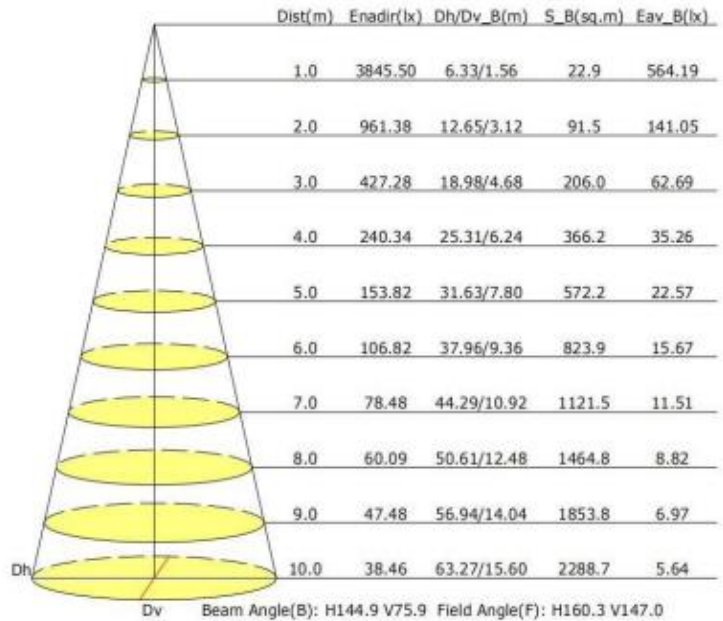
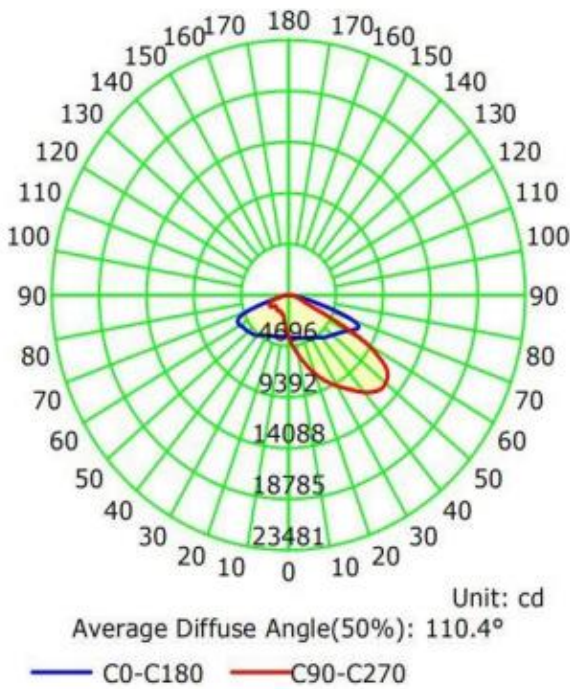
Luminaire Manufacturer:
Voltage: 119.8 V
Power: 185.23 W

Current: 1.5498 A
Power Factor: 0.996

Photometric Results

IES Classification: Type III
Total Rated Lamp Lumens: 28131.8 lm
Efficiency: 100%
Upward Ratio: 0%
Central Intensity: 3845.5 cd
Pos of Max. Intensity: H22.5 V71

Longitudinal Classification: Medium
Measurement Flux: 28131.8 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 151.87
Max. Intensity: 18785.26 cd



DLC PRODUCT SPECS

Product ID: PL9GIA8SDLDX

X



RGL-SBXT-2-185WA50T3A2-ab[10SP;20SP;blank] [PS;MS;blank]e[S;blank]50

Manufacturer: RuggedGrade
Brand: RuggedGrade

PRODUCT OVERVIEW

| | |
|------------------------|---|
| Model Number | RGL-SBXT-2-185WA50T3A2-ab[10SP;20SP;blank][PS;MS;blank]e[S;blank]50 |
| Classification | Premium |
| Primary Use | Outdoor Pole/Arm-Mounted Area and Roadway Luminaires |
| Reported Input Wattage | 186.58 W |
| Reported Light Output | 28033.3 lm |
| Reported CCT | 5000 K |
| Reported CRI (Ra) | 70 |
| Product ID | PL9GIA8SDLDX |
| DLC Family Code | EMWAHP |
| Listing Status | Listed |
| Date Qualified | 2021-10-05 |

PRODUCT INFORMATION

| | |
|--------------------------------|---|
| Qualified Product List | Solid State Lighting |
| Technical Requirements Version | 5.1 |
| Product ID | PL9GIA8SDLDX |
| Manufacturer | RuggedGrade |
| Brand | RuggedGrade |
| Model Number | RGL-SBXT-2-185WA50T3A2-ab[10SP;20SP;blank][PS;MS;blank]e[S;blank]50 |
| Parent | No |

PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

CONTROL FEATURES

[VIEW DETAILS](#)

REPORTED PHOTOMETRIC PERFORMANCE

| | |
|------------------------|-------------|
| Reported Light Output | 28033.3 lm |
| Reported Efficacy (AC) | 150.25 lm/W |
| Reported CCT | 5000 K |
| Reported CRI (Ra) | 70 |
| Reported RS | -26 |
| Reported IES Rf | 74 |
| Reported IES Rg | 94 |
| Reported IES Rcs,h1 | -17 |

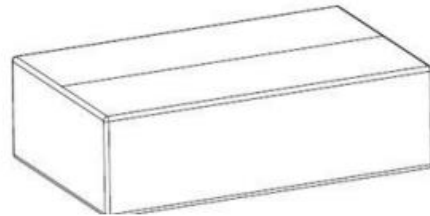
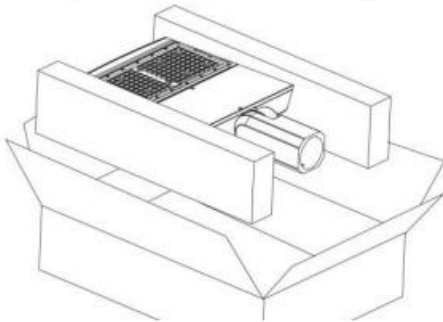
REPORTED ELECTRICAL PERFORMANCE

| | |
|------------------------------------|-----------|
| Reported Input Wattage | 186.58 W |
| Reported Total Harmonic Distortion | 15 % |
| Reported Power Factor | 0.9 |
| Reported Default Input Wattage | 185 W |
| Voltage Range | 100-277 V |



PRODUCT PACKAGING

| Stent Type | Lamp Net Weight | Size | Qty / Carton | Gross Weight / Carton |
|------------|-----------------|---------------|--------------|-----------------------|
| AM | 6.2 KG | 650*385*155MM | 1 | 7.22KG |
| DM | 6.66KG | 650*385*155MM | 1 | 7.68 KG |
| YM | 6.7 KG | 650*385*155MM | 1 | 7.72KG |
| A&D | 7KG | 650*385*155MM | 1 | 8.02 KG |
| FM | 5.7 KG | 535*400*155MM | 1 | 6.72KG |



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.

