

240W Corvus II | LED UFO HIGHBAY LIGHT



PRODUCT DESCRIPTION

Corvus II builds on its legendary value, now with a sleek & smaller design sporting advanced and improved standard features, including precision optics and more available options. Making Corvus II one of the top selling and brightest High Bay Light in the market.



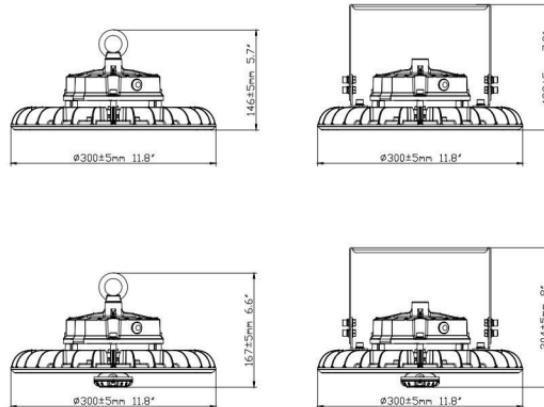
DLC #:

RGL-CORVUS2-240WL1B1T2A1

PRODUCT FEATURES & COMMON USE APPLICATIONS

- UL cUL certificate.
- Lumileds or Samsung 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.
- Warehouse, factory, and workshops.
- Highway toll station and gas station.
- Exhibition hall.
- Gymnasium and supermarkets, etc

PRODUCT DIMENSIONS



Rugged Grade Lighting
Industrial Grade Solutions



LEGENDARY USA SUPPORT



US based
phone and online
customer support



888-953-2476
sales@ruggedgrade.com



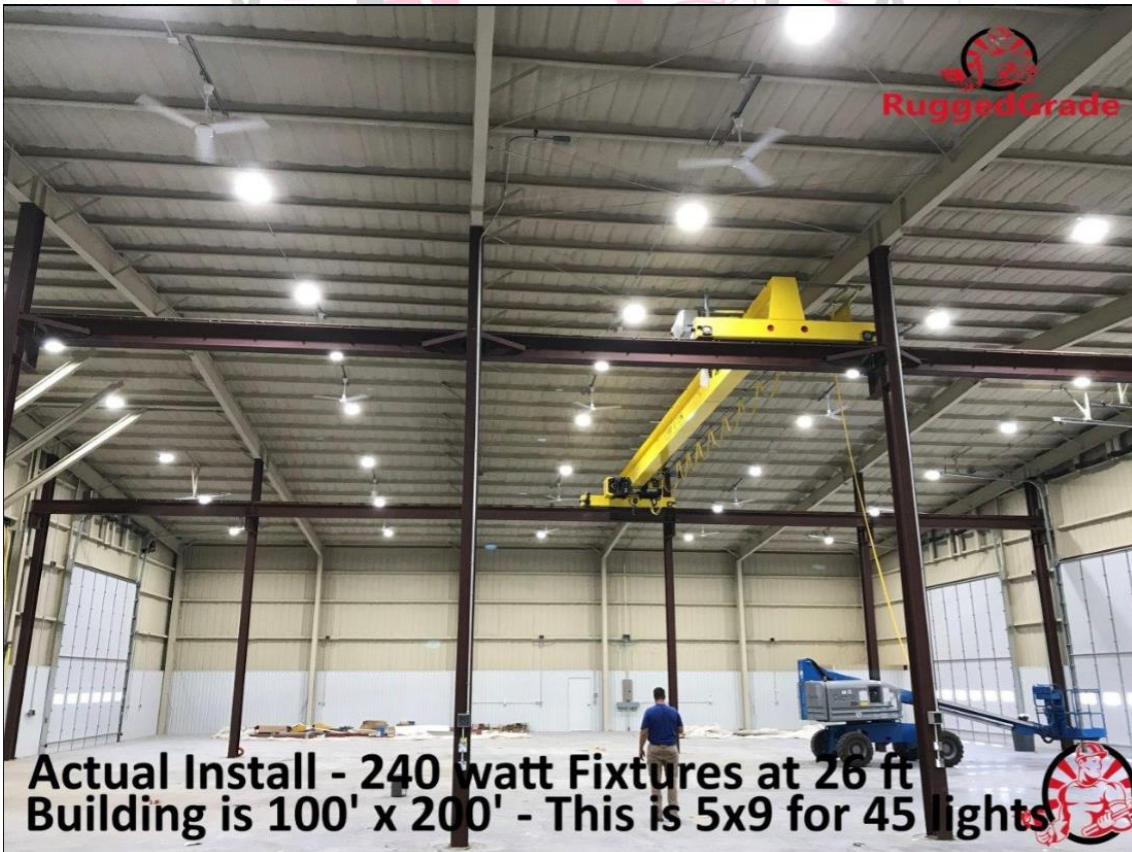
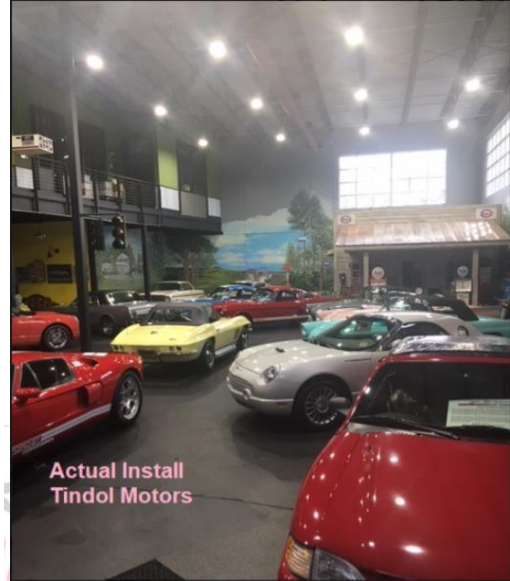
PRODUCT TECHNICAL SPECIFICATIONS

| | | | | | |
|-------------------|--------------------------------|---|---------|---------|---------|
| OPTICAL | Input Power (Tolerance : ±10%) | 240W | | | |
| | Color Temperature | 3500K | 4000K | 5000K | 5700K |
| | Lumen (Tolerance : -10%) | 35000LM | 35000LM | 35000LM | 35000LM |
| | Efficacy (Tolerance : -3%) | 150LM/W | 150LM/W | 150LM/W | 150LM/W |
| | CRI | >80 | | | |
| | Color Consistency | <6 Steps (or <6 SDCM) | | | |
| | UGR (Glare Rating) | Low Glare Certified – Exceeds UGR Mandates & Certified DLC 5.1 | | | |
| | Diffuser Type | PC Lens | | | |
| | Beam Angle (50%) (Tolerance : | 90 Degree | | | |
| ELECTRICAL | Input Voltage and Frequency | 120-277VAC, 50/60Hz | | | |
| | PF (Tolerance : -3%) | ≥0.9 | | | |
| | THD (Tolerance : +5%) | ≤20% | | | |
| | Flicker Percent | <5% | | | |
| | Driver Brand | Rugged Grade Lighting | | | |
| | Driver Model | Rugged Grade Lighting Driver | | | |
| | Driver Surge protection | L/N-PE: 6kV, L-N: 4kV | | | |
| | Dimming | 0-10V dimming standard | | | |
| | Optional Accessory | Motion Sensor, Surge-protective Device | | | |
| MATERIALS | LED Brand | Lumileds | | | |
| | LED Type | SMD2835 | | | |
| | LED QTY | 425PCS | | | |
| | Housing | Die-cast aluminum | | | |
| | Housing Color | Black, White, or Customized | | | |
| | Waterproof Rating | WET (IP65) | | | |
| OTHERS | Operating Temperature | Without Motion Sensor: -40°C TO 50°C With Motion Sensor: -30°C TO 50°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 | | | |

PRODUCT MOUNTS & ACCESSORIES



PRODUCT IMAGES & ACTUAL INSTALLATIONS



DLC PRODUCT SPEC

Product ID: S-IYKDA9 ×



RGL-CORVUS2-240WL1B1T2A1-abc50

Manufacturer: RuggedGrade
Brand: RuggedGrade

| PRODUCT OVERVIEW | |
|------------------------|---|
| Classification | Premium |
| Primary Use | High-Bay Luminaires for Commercial and Industrial Buildings |
| Reported Input Wattage | 231.8 W |
| Reported Light Output | 34788 lm |
| Reported CCT | 5000 K |
| Reported CRI (Ra) | 82 |
| Product ID | S-IYKDA9 |
| DLC Family Code | SLFAHN |
| Listing Status | Listed |
| Date Qualified | 2023-01-07 |

| PRODUCT INFORMATION | |
|--------------------------------|--------------------------------|
| Qualified Product List | Solid State Lighting |
| Technical Requirements Version | 5.1 |
| Product ID | S-IYKDA9 |
| Manufacturer | RuggedGrade |
| Brand | RuggedGrade |
| Model Number | RGL-CORVUS2-240WL1B1T2A1-abc50 |
| Parent | No |
| Classification | Premium |

| PRODUCT CATEGORIZATION | VIEW DETAILS |
|------------------------|--------------|
|------------------------|--------------|

| PRODUCT CAPABILITIES | VIEW DETAILS |
|----------------------|--------------|
|----------------------|--------------|

| REPORTED PHOTOMETRIC PERFORMANCE | |
|----------------------------------|-------------|
| Reported Light Output | 34788 lm |
| Reported Efficacy (AC) | 150.08 lm/W |
| Reported CCT | 5000 K |
| Reported CRI (Ra) | 82 |
| Reported R9 | 6 |
| Reported IES Rf | 83 |
| Reported IES Rg | 96 |
| Reported IES Rcs,h1 | -12 |





PHOTOMETRICS

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): -252

Luminous Height (mm):

Current: 2.033 A

Power Factor: 0.998

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): -252

Voltage: 120.0 V

Power: 243.45 W

Photometric Results

CIE Class: Direct

Measurement Flux: 32914.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%): H125.9,H88.2

Vertical Diffuse Angle(10%,50%): V125.2,V87.9

Luminaire Efficacy Rating (LER): 135.25

Max. Intensity: 16121.55 cd

S/MH(C0/C180): 1.41

Total Rated Lamp Lumens: 32914.4 lm

Efficiency: 100%

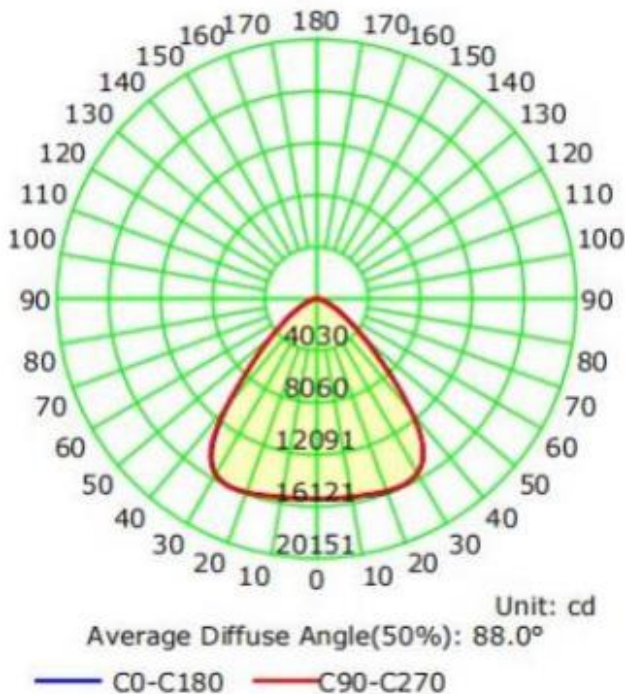
Upward Ratio: 0%

C0r0 Intensity: 15560.89 cd

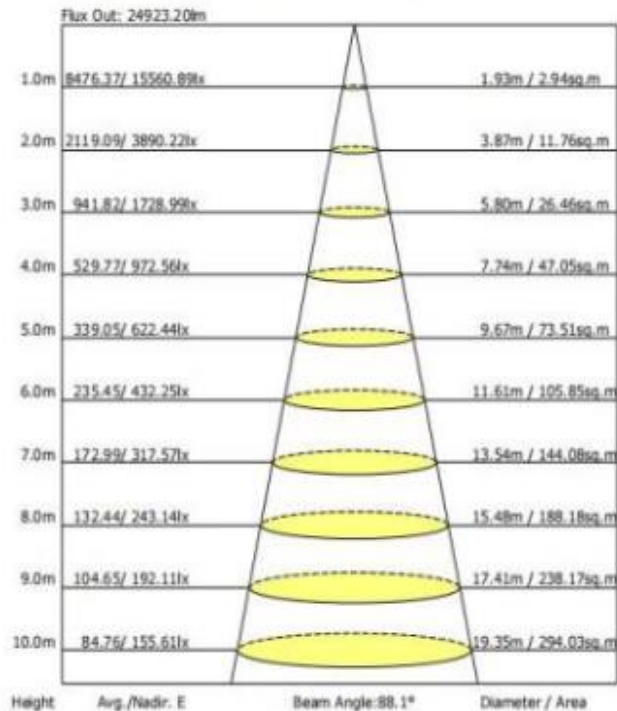
Pos of Max. Intensity: H292.5 V23

S/MH(C90/C270): 1.41

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



PRODUCT PACKAGING

| Bracket Type | Carton Size | Qty / Carton | Net Weight / Carton | Gross Weight / Carton |
|--------------|---------------|--------------|---------------------|-----------------------|
| Pendent | 325*325*265mm | 2PCS | 5.2kg | 6.5kg |
| Surface- | | | | |

*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.

