

300W 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.

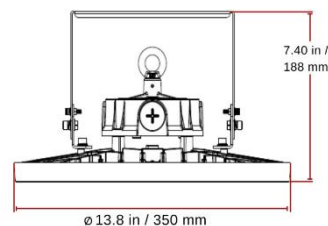
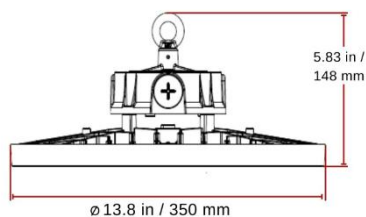
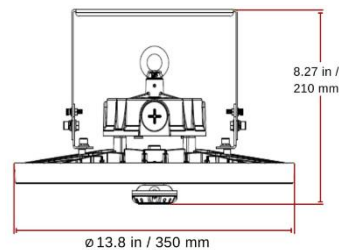
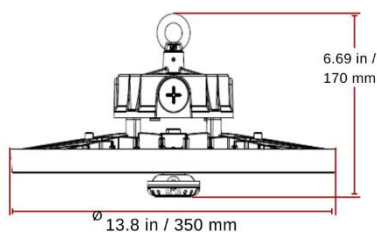


PART#: RGL-CORVUS2-300WL1B1T2A1

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



888-953-2476
sales@ruggedgrade.com

LEGENDARY USA SUPPORT



US based
phone and online
customer support



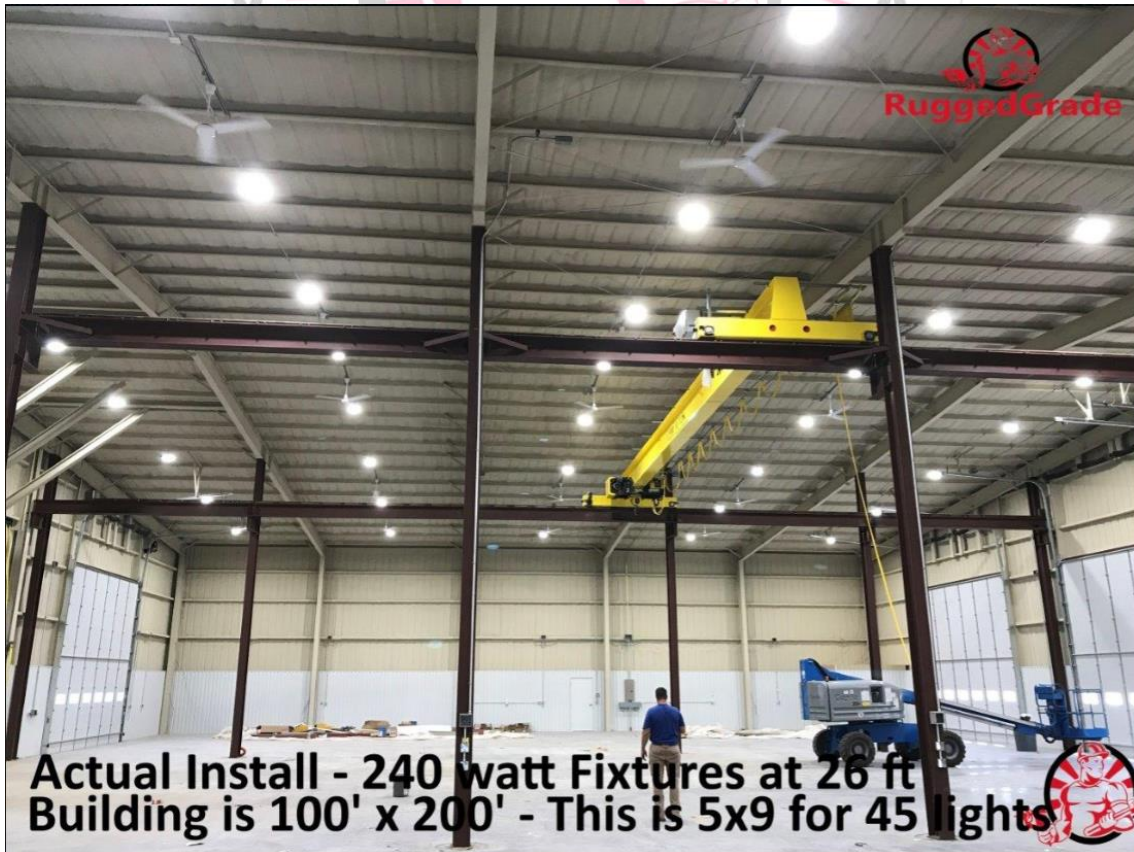
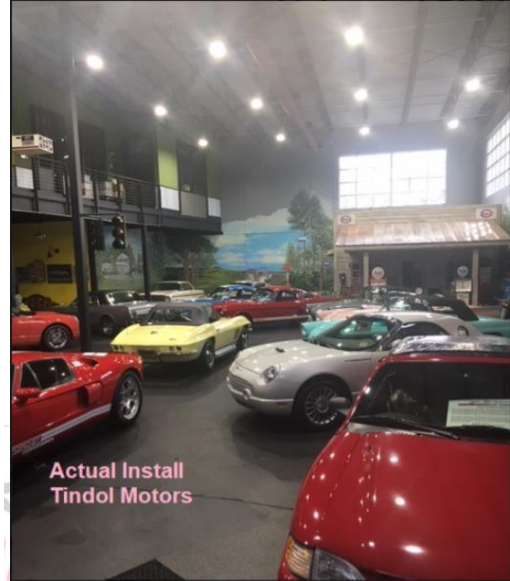
PRODUCT TECHNICAL SPECIFICATIONS

| | | | |
|--------------------|--------------------------------|---|---------|
| OPTICAL | Input Power (Tolerance : ±10%) | 300W (wattage adjustable : 300W/240W/200W) | |
| | Color Temperature | 4000K | 5000K |
| | Lumen (Tolerance : -10%) | 43500LM | 42600LM |
| | Efficacy (Tolerance : -3%) | 145LM/W | 145LM/W |
| | CRI | >80 | |
| | Color Consistency | < 6 Steps (or < 6 SDCM) | |
| | UGR (Glare Rating) | < 28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%) | |
| | 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 | Sosen Driver (0-10V dimming) | |
| | Driver Model | SS-320CNH-300BHD | |
| | Driver Surge protection | L/N-PE: 6kV, L-N: 6kV | |
| | Dimming | 0-10V dimming standard | |
| | Sensor Type | Daylight Sensor, Occupancy Sensor, Integral sensor Receptacle | |
| Optional Accessory | Wire guard, Reflector shield | | |
| MATERIALS | LED Brand | Lumileds | |
| | LED Type | SMD2835 | |
| | LED QTY | 768PCS | |
| | 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 | 5 years warranty with 24/7 operating hours Luminaire lifetime | |

PRODUCT MOUNTS & ACCESSORIES



PRODUCT IMAGES & ACTUAL INSTALLATIONS





PHOTOMETRICS

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm): -310
Luminous Height (mm):
Current: 2.411 A
Power Factor: 0.998

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm): -310
Voltage: 120.0 V
Power: 288.73 W

Photometric Results

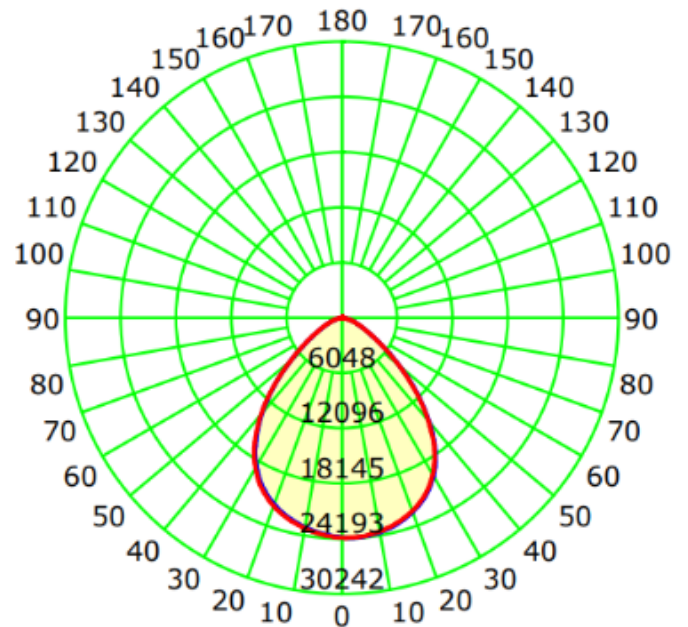
IES Classification: Type I
Total Rated Lamp Lumens: 46047.7 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 24047.08 cd
Pos of Max. Intensity: H22.5 V4
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 86.8, 86.9, 86.9, 87.0

Longitudinal Classification: Very Short
Measurement Flux: 46047.7 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 159.53
Max. Intensity: 24193.88 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 86.8°

— C0-C180 — C90-C270



PRODUCT PACKAGING

| Bracket Type | Carton Size | Qty / Carton | Net Weight / Carton | Gross Weight / Carton |
|--------------|--------------------------|--------------|---------------------|-----------------------|
| Pendent | 380*380*140MM[14.96*14.9 | 1PCS | 3.5KG[7.71LBS] | 4.3KG[9.48LBS] |
| Surface- | 380*380*140MM[14.96*14.9 | 1PCS | 3.9KG[8.60LBS] | 4.7KG[10.36LBS] |

*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.

