Corvus UFO High Bay Light

150 Watt

Corvus Series Performance High Bay with 83 CRI, 3.3ft Whip & DLC Premium

Part Number:

RG-HighBay-VII-150WSACGD1-aaK

Note:

RG= Rugged Grade Company name
HB05 = Product series, LED High Bay Light
150W = Rating Power
S= Driver manufacturer, SOSEN
X= LED manufacturer, A= Epistar 2835
Y= Cover type, X= CP, for Clear Plastic;
    X= FP, for Frost Plastic;
    X= CG, for Clear Glass;

ADVANTAGE

➢ 3.3ft (1m) Cord for easier installation
➢ UL cUL certificate.
➢ IP65 driver, input voltage 100-277VAC.
➢ 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

➢ Warehouse, factories and workshops;
➢ Sports, gymnasiums, Schools
➢ Exhibition hall, convention centers
➢ Retail and supermarkets, etc.
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Numbers</th>
<th>SKU</th>
<th>37-182 (5000K, No Sensor)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DLC Number</td>
<td>RG-HighBay-VII-150WSACGD1</td>
</tr>
<tr>
<td>OPTICAL</td>
<td>Input Power</td>
<td>150Watt</td>
</tr>
<tr>
<td></td>
<td>Cover</td>
<td>Tempered Glass / LENS</td>
</tr>
<tr>
<td></td>
<td>Lumen</td>
<td>20200-21750LM / 19750-21000LM</td>
</tr>
<tr>
<td></td>
<td>Viewing Angle</td>
<td>110° / 60° / 90° / 120°</td>
</tr>
<tr>
<td></td>
<td>Color Temperature</td>
<td>2700 - 6500K</td>
</tr>
<tr>
<td></td>
<td>CRI</td>
<td>&gt;83</td>
</tr>
<tr>
<td>ELECTRICAL</td>
<td>Input Voltage</td>
<td>100-277VAC / 50/60Hz</td>
</tr>
<tr>
<td></td>
<td>PF</td>
<td>≥0.9</td>
</tr>
<tr>
<td></td>
<td>THD</td>
<td>≤14%</td>
</tr>
<tr>
<td></td>
<td>Driver Model</td>
<td>Sosen T7 Driver (1-10Vdc Dimmer) with 3.3ft Whip (power cord)</td>
</tr>
<tr>
<td></td>
<td>Optional Accessory</td>
<td>Motion Sensor/Surge-Protective Device</td>
</tr>
<tr>
<td>MATERIALS</td>
<td>LED Type</td>
<td>SMD2835 (0.5W)</td>
</tr>
<tr>
<td></td>
<td>LED QTY</td>
<td>375 PCS</td>
</tr>
<tr>
<td></td>
<td>Housing</td>
<td>Aluminum Alloy</td>
</tr>
<tr>
<td></td>
<td>Housing Color</td>
<td>Black / Customized</td>
</tr>
<tr>
<td></td>
<td>Cover</td>
<td>LENS or Tempered Glass or PC</td>
</tr>
<tr>
<td></td>
<td>Waterproof Rating</td>
<td>WET (IP65)</td>
</tr>
<tr>
<td>OTHERS</td>
<td>Operating Temperature</td>
<td>-40°C TO 50°C</td>
</tr>
<tr>
<td></td>
<td>Operating Humidity</td>
<td>10%-90% RH</td>
</tr>
<tr>
<td></td>
<td>Storage Temperature</td>
<td>-40°C TO 80°C</td>
</tr>
<tr>
<td></td>
<td>Storage Humidity</td>
<td>10%-95% RH</td>
</tr>
<tr>
<td></td>
<td>Warranty Time</td>
<td>5 Years</td>
</tr>
</tbody>
</table>
DLC Verified – DLC 4.4 & DLC Premium

20,682 Lumens! 82 CRI! 135+ Lumen to Watt!

Manufacturer: RuggedGrade
Brand: RuggedGrade
Technical Requirements Version: 4.4
Date Qualified: 11/29/2013
Product ID: PLPB2HGZV6EM

Categorization

Main: Indoor Luminaires
General Application: High-Bay
Primary Use: High-Bay Luminaires for Commercial and Industrial Buildings
System Type: AC

Classification: Premium
Is Parent Product: No
DLC Family Code: JJNJVJ
Listing Status: Listed

Reported Data

<table>
<thead>
<tr>
<th>Light Output: 20582 lm</th>
<th>Zonal Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wattage: 153.09 W</td>
<td>Spacing Criteria</td>
</tr>
<tr>
<td>Efficacy (AC): 135.1 lm/W</td>
<td>Product Features</td>
</tr>
<tr>
<td>Power Factor: 0.9</td>
<td>Version History</td>
</tr>
<tr>
<td>CCT: 5000 K</td>
<td>Family Data</td>
</tr>
<tr>
<td>CRI: 80</td>
<td></td>
</tr>
<tr>
<td>Total Harmonic Distortion: 15%</td>
<td></td>
</tr>
</tbody>
</table>
LIGHT DISTRIBUTION TESTING PARAMETERS

**Luminaire Property**

Luminaire Manufacturer:
- Voltage: 120.6 V
- Power: 150.80 W

Current: 1.260 A
- Power Factor: 0.992

**Photometric Results**

CIE Class: Direct
- Measurement Flux: 19616.2 lm
- Total Rated Lamp Lumens: 19616.2 lm
- Efficiency: 100%
- Upward Ratio: 1%

Horizontal Diffuse Angle (50%): H114.9°
- Central Intensity: 6952.89 cd
- Pos of Max. Intensity: H0 V0

Vertical Diffuse Angle (50%): V114.9°
- S/MH(C0/C180): 1.29
- S/MH(C90/C270): 1.29

**The Average Illuminance Effective Figure**

- Flux Out: 15161.17 lm
- Beam Angle: 114.9°
- Diameter / Area

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<table>
<thead>
<tr>
<th>DATA OF LAMP</th>
<th>PHOTOMETRIC DATA</th>
<th>Eff: 140.13 lm/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL</td>
<td>Imax (cd)</td>
<td>7552</td>
</tr>
<tr>
<td>NOMINAL POWER (W)</td>
<td>150</td>
<td></td>
</tr>
<tr>
<td>RATED VOLTAGE (V)</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>NOMINAL FLUX (lm)</td>
<td>21160.1</td>
<td>CIE CLASS</td>
</tr>
<tr>
<td>LAMPS INSIDE</td>
<td>1</td>
<td>η up (%)</td>
</tr>
<tr>
<td>TEST VOLTAGE (V)</td>
<td>120</td>
<td>η down (%)</td>
</tr>
</tbody>
</table>
## PACKAGE

<table>
<thead>
<tr>
<th></th>
<th>Size</th>
<th>Qty / Carton</th>
<th>Net Weight / Carton</th>
<th>Gross Weight / Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outer box</td>
<td>360X360X195MM</td>
<td>1PC</td>
<td>3.7KG</td>
<td>4.7KG</td>
</tr>
</tbody>
</table>

## 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

<table>
<thead>
<tr>
<th>Troubles</th>
<th>Check points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flickering of the light</td>
<td>Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.</td>
</tr>
<tr>
<td>Out of working</td>
<td>Please check the connection.</td>
</tr>
</tbody>
</table>