

Type A

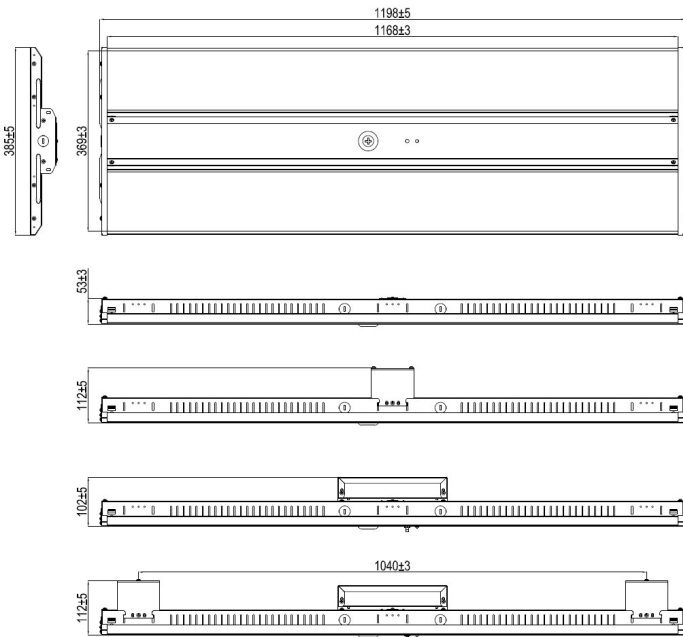
Type B

Type C

Type D



DIMENSIONS



With TunableTech by RuggedGrade you have the power to choose the wattage desired with a simple switch on the fixture. Easily upgradable to add a motion sensor which installs in seconds. Orion III Series Linear High Bay Light - Dimmable LED High Bay Linear Lights.

P/N: RGL-PHB05-440WBMD1G3-abdWf

Note:

AST= Company name;

PHB05 = Product series, LED Linear High Bay Light;
440W= Rating Power;

B= manufacturer of LED, Lumileds(2835);

M= Diffuser type, Matte Lens;

D1= Driver manufacturer,

G3= Version number;

a=can be any two letters to represent lamp colors,

WH=White, or Customized;

b=can be "AMS" or "APS" or "DMS" or "DPS" or blank for
AC/DC Motion Microwave sensor or AC/DC
Motion PIR sensor provided or not;

d= can be "EM" or blank for emergency driver provided or
not;

W= Wattage adjustable;

f= can be any digits for CCT, 40-57K

(40=4000K,45=4500K,50=5000K,57=5700K).

ADVANTAGE

- UL cUL certificate.
- Lumileds Chip, high CRI.
- Input voltage 120-277VAC.
- Wattage adjustable.
- 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.

APPLICATION

- Warehouse, factory and workshops;
- Exhibition hall and supermarkets, etc.

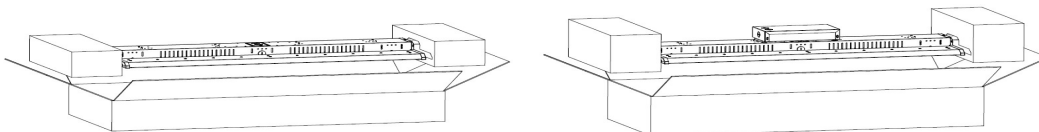
SPECIFICATIONS

| | | |
|--------------------|---|---|
| OPTICAL | Input Power (Tolerance : $\pm 10\%$) | 440W (Wattage adjustable: 50-100%) |
| | Color Temperature | 4000K, 4500K, 5000K, 5700K |
| | Lumen (Tolerance : -10%) | 57000~61000 LM @ 440W |
| | Efficacy (Tolerance : -3%) | 133~137 LM/W @ 440W |
| | CRI | >80 |
| | Color Consistency | <6 Steps (or <6 SDCM) |
| | UGR | <28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%) |
| | Diffuser Type | Matte Lens |
| ELECTRICAL | Input Voltage and Frequency | 120-277VAC, 50/60Hz |
| | PF (Tolerance : -3%) | ≥ 0.9 |
| | THD (Tolerance : +5%) | $\leq 20\%$ |
| | Flicker Percent | $\leq 70\%$ |
| | Driver Brand | Ruged Grade Lighting |
| | Driver Model | Ruged Grade Driver |
| | Driver Surge protection | L/N-PE: 6kV, L-N: 6kV |
| | Dimming | 0-10V dimming standard |
| Optional Accessory | AC/DC Motion Microwave sensor, AC/DC Motion PIR sensor, 10KV/Surge protector, Emergency Power Supply(20W/90min) | |
| MATERIALS | LED Brand | Lumileds |
| | LED Type | SMD 2835 |
| | LED QTY | 1980 PCS |
| | Housing | IRON |
| | Housing Color | White, or Customized |
| | Waterproof Rating | DAMP (IP20) |
| OTHERS | Operating Temperature | Without Motion Sensor and Emergency Power Supply: -30°C TO 50°C |
| | | With Motion Sensor: -25°C TO 50°C |
| | | With Emergency Power Supply: 0°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 at 25°C | |

PACKAGE

| | Carton Size | Qty / Carton | Net Weight / Carton | Gross Weight / Carton |
|---------------------------------------|-----------------|--------------|---------------------|-----------------------|
| Outer box (DC Sensor/ No Sensor) | 1300*460*125 MM | 1 PC | 7.0KG/PC | 8.7KG |
| Outer box(AC Sensor) | 1440*460*130 MM | 1 PC | 7.3KG/PC | 9.2KG |
| Outer box (Backup Driver) | 1300*460*175 MM | 1 PC | 8.5KG/PC | 10.4KG |
| Outer box (Backup Driver + AC Sensor) | 1440*460*185 MM | 1 PC | 8.8KG/PC | 10.8KG |

Tolerance of Carton Size: ± 15 MM, Tolerance of Weight: $\pm 10\%$.

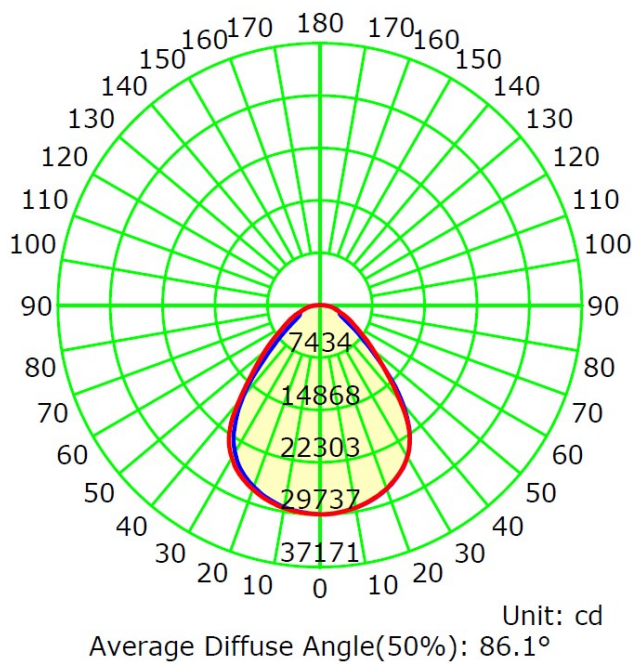


LIGHT DISTRIBUTION TESTING PARAMETERS

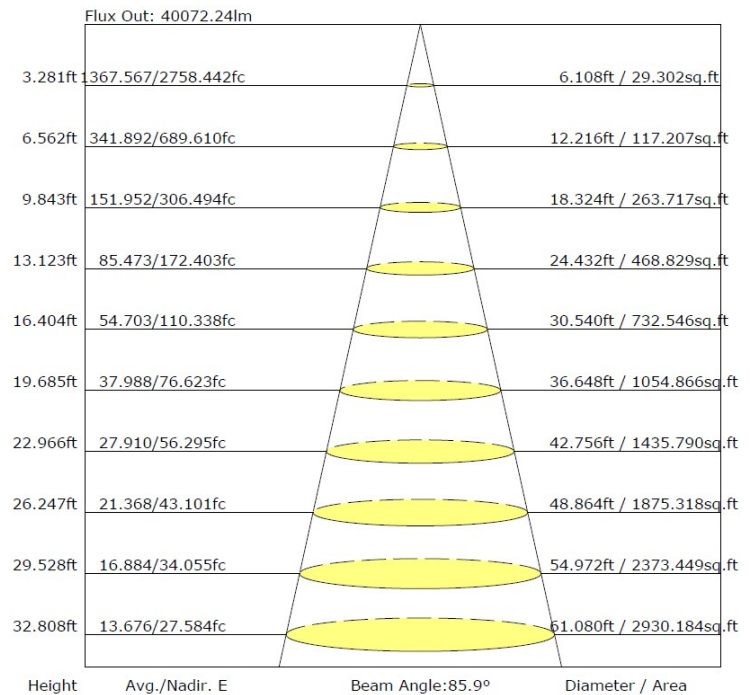
Photometric Results

| | |
|---|-------------------------------------|
| CIE Class: Direct | Total Rated Lamp Lumens: 60467.5 lm |
| Measurement Flux: 60467.5 lm | Efficiency: 100% |
| Downward Ratio: 100% | Upward Ratio: 0% |
| Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 140.5, 142.4, 146.5, 146.3 | |
| Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 85.9, 86.3, 85.8, 85.3 | |
| Luminaire Efficacy Rating (LER): 136.93 | C0r0 Intensity: 29691.62 cd |
| Max. Intensity: 29737.34 cd | Pos of Max. Intensity: H337.5 V2 |
| S/MH(C0/C180): 1.22 | S/MH(C90/C270): 1.24 |

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



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.**

DLC CERTIFIED

UL LISTED

LEGENDARY RUGGEDGRADE QUALITY
LEGENDARY USA SUPPORT

US based
phone and online
customer support

ROCK SOLID
5 YEARS
WARRANTY