



Orion II LED High Bay Light



P/N: RGL-ORION2-PHB-V-110WBFP

Note:

RG= Company name

ORION2-PHB-V Product series

110W = Rating Power

R= For marketing purposes

A = LED manufacturer, Lumileds SMD 2835

P1= (Class P Driver) C1 = Version number a = Housing colors, WH=White b= Sensor, MS or PS or Blank(Motion sensor or PIR sensor)

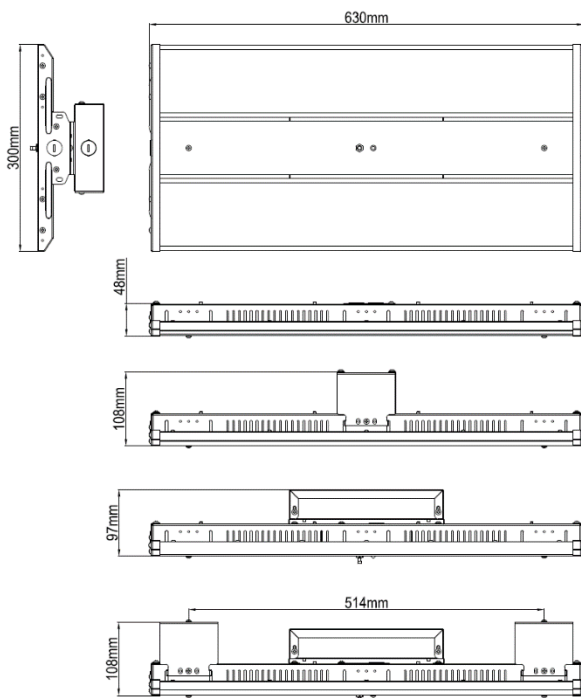
d= CCT(40=4000K,50=5000K,57=5700K)

Type A

Type D(ceiling)



DIMENSIONS



ADVANTAGE

- UL certificate.
- 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.
- Output constant current lever can be adjusted through output cable with 1-10V.

*The product can not be connected to a dimming device when it's equipped with Motion Sensor.

APPLICATION

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

SPECIFICATIONS

OPTICAL	Input Power	110W
	Lumen	14100-16200LM
	Lumen Efficacy	145-153LM/W
	Color Temperature	4000K,5000K,5700K
	CRI	>80
	Viewing Angle	110 Degree
ELECTRICAL	Input Voltage	100-277VAC 50/60Hz
	PF	.9
	THD	<12 %
	Driver Model	Rugged Grade Brand Driver
	Optional Accessory	Motion Sensor, PIR Sensor, Emergency/20W
	LED Type	Lumiled SMD2835 (0.5W)
	LED QTY	345 PCS
	Heat sink materials	Aluminum Alloy
	Housing Color	White, Other color
	Waterproof Rating	DAMP / IP 64
OTHERS	Operating Temperature	-20°C TO 50°C
	Operating Humidity	20%-90% RH
	Storage Temperature	-30°C TO 80°C
	Storage Humidity	10%-95% RH
	Warranty Time	5 Years

DLC 5 - Premium Listed

Model# RGL-ORION2-PHB-V-110WBFP3C1-a[MS;PS;Blank]50[EM;Blank]

Manufacturer: RuggedGrade
Brand: RuggedGrade
Technical Requirements Version: 5
Date Qualified: 03/06/2020
Product ID: PLRZV4JKH92A

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: NANQOA
Listing Status: Listed

Reported Data

Zonal Lumens

Spacing Criteria

Product Features

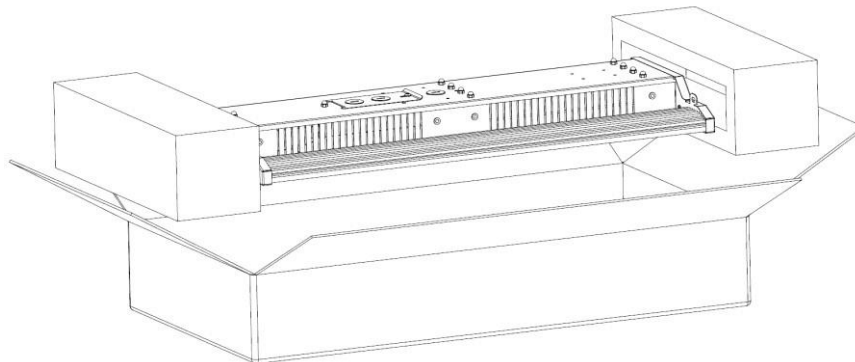
Version History

Family Data

Light Output: 15219 lm
Default Light Output: 15219 lm
Wattage: 107.95 W
Default Wattage: 107.95 W
Voltage Range: 120 - 277 V
Efficacy (AC): 140.98 lm/W
Power Factor: 0.9
CCT: 5000 K
CRI: 80
Total Harmonic Distortion: 15 %

PACKAGE

	Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Outer box	660*360*120 MM	1 PC	3.7 KG	4.7 KG
Outer box(Emergency)	660*360*170 MM	1 PC	5.1 KG	6.3 KG



LIGHT DISTRIBUTION TESTING PARAMETERS

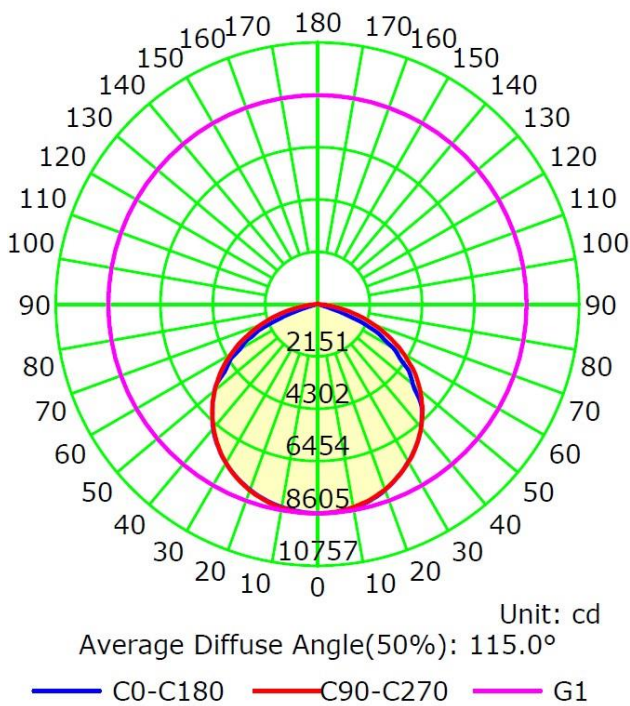
Photometric Results

CIE Class: Direct
 Measurement Flux: 14612.5 lm
 Downward Ratio: 99%
 Horizontal Diffuse Angle(50%): H101.8
 Vertical Diffuse Angle(50%): V103.5
 Luminaire Efficacy Rating (LER): 135.87
 Max. Intensity: 5726.73 cd
 S/MH(C0/C180): 1.21

Total Rated Lamp Lumens: 14612.5 lm
 Efficiency: 100%
 Upward Ratio: 1%

Central Intensity: 5726.34 cd
 Pos of Max. Intensity: H0 V1
 S/MH(C90/C270): 1.22

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure

Flux Out: 9880.38lm

Height	Avg./Nadir, E	Beam Angle: 101.8°	Diameter / Area
1.0m	2078.51/ 5726.34lx		2.46m / 4.75sq.m
2.0m	519.63/ 1431.58lx		4.92m / 19.01sq.m
3.0m	230.95/ 636.26lx		7.38m / 42.78sq.m
4.0m	129.91/ 357.90lx		9.84m / 76.06sq.m
5.0m	83.14/ 229.05lx		12.30m / 118.84sq.m
6.0m	57.74/ 159.07lx		14.76m / 171.13sq.m
7.0m	42.42/ 116.86lx		17.22m / 232.93sq.m
8.0m	32.48/ 89.47lx		19.68m / 304.23sq.m
9.0m	25.66/ 70.70lx		22.14m / 385.04sq.m
10.0m	20.79/ 57.26lx		24.60m / 475.36sq.m



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.

