



Titan 5 Update for 2021 - Full Brightness to Dim to Off! - High Accuracy 5.8GHZ Microwave Motion Sensor! - Easy Programming by Remote. - DLC 5.1



P/N: RGL-HB12-100/80/60WM1BT2A1-abcdWR

Note:

RGL = Rugged Grade Lighting

HB12 = Product series, LED High Bay Light

100/80/60W = Select Power;

“M1” stand for Driver manufacturer, LIFUD series;

“B” stand for LED manufacturer, could be lumileds 2835;

“T2” stand for cover type, could be 90 degree lens;

“A1” stand for Version number;

“a” can be any two letters to represent lamp colors; BH=Black, WH=White, or Customized;

“b” can be “S” or blank for Surge-protective Device provided or not;

“c” can be “M”, “P” or blank for Motion Microwave sensor, Motion PIR sensor provided or not;

“d” can be any digits for CCT,

40=4000K,45=4500K,50=5000K,57=5700K;

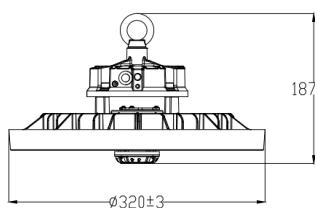
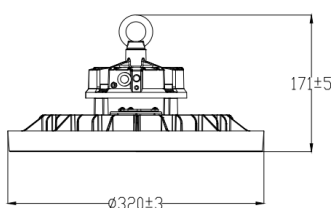
“W” stand for wattage adjustable.

“R” stand for LED Module with resistance.

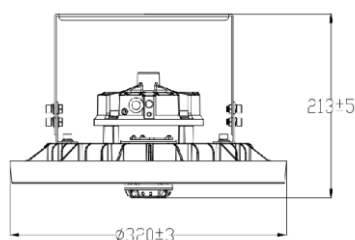
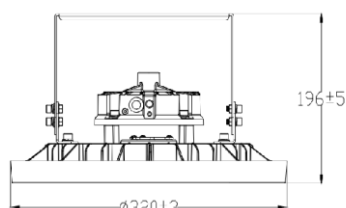


DIMENSIONS

Pendent



Surface-mounted



ADVANTAGE

- UL cUL DLC certificate.
- Lumileds, 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.

APPLICATION

- Warehouse, factory and workshops;
- Highway toll station and gas station;
- Exhibition hall;
- Gymnasium and supermarkets, etc.

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	100W			
	Color Temperature	4000K	4500K	5000K	5700K
	Lumen (Tolerance : -10%)	14702.9 LM	14671.6LM	14640.3 LM	14609LM
	Efficacy (Tolerance : -3%)	144LM/W	144LM/W	143LM/W	143LM/W
	CRI	>80			
	Color Consistency	<7 Steps (or <7 SDCM)			
	UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
	Diffuser Type	PC Lens			
	Beam Angle (50%) (Tolerance : ±15%)	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 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	300PCS			
	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 at 25°C.			

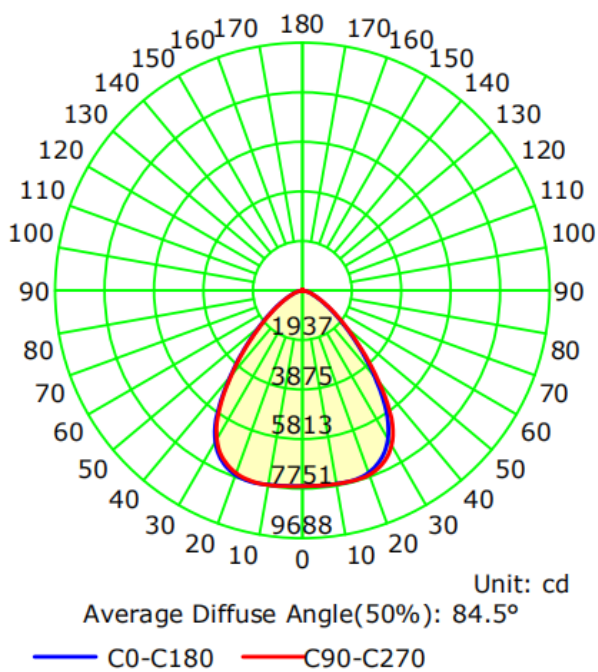


LIGHT DISTRIBUTION TESTING PARAMETERS

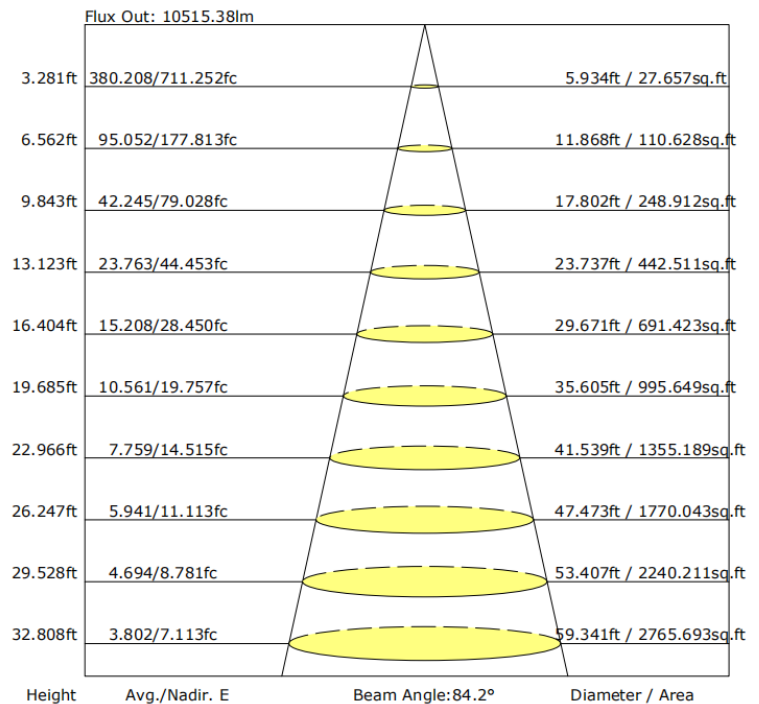
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 14702.9 lm
Measurement Flux: 14702.9 lm	Efficiency: 100%
Downward Ratio: 100%	Upward Ratio: 0%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 125.2, 125.4, 125.1, 125.6	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 84.2, 84.8, 84.5, 84.5	
Luminaire Efficacy Rating (LER): 144.20	C0r0 Intensity: 7655.85 cd
Max. Intensity: 7751.17 cd	Pos of Max. Intensity: H225 V14
S/MH(C0/C180): 1.27	S/MH(C90/C270): 1.28

Luminous Intensity Distribution Curve



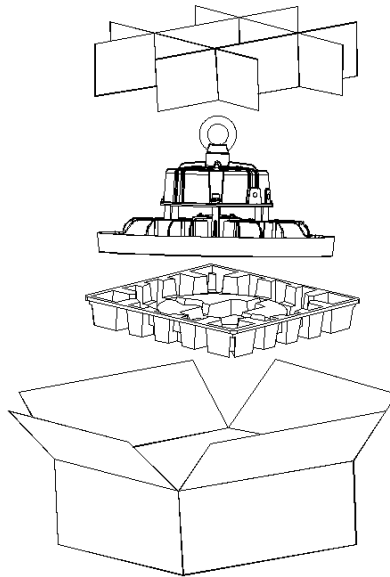
The Average Illuminance Effective Figure



PACKAGE

Lamp Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Pendent	382*382*196MM	1 PC	2.7KG	3.5KG
Surface-mounted	382*382*196MM	1 PC	3.2 KG	4 KG

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





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.

TROUBLESHOOTINGS

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 back 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.**

DLC
CERTIFIED

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LEGENDARY RUGGEDGRADE QUALITY
LEGENDARY USA SUPPORT

US based
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customer support

ROCK SOLID
5 YEARS
WARRANTY