

# TITAN 5 LED UFO | HIGH BAY LIGHT



RuggedGrade

## PRODUCT DESCRIPTION

The Legendary Titan Series defined motion sensor lighting and the Titan V improves on the series yet again! The addition of Tunable Technology from Rugged Grade adding tunable wattage to select brightness level on fixture, mixed with the advanced 5.8GHz microwave motion sensor with 3 step dimming all programmable with a remote control.

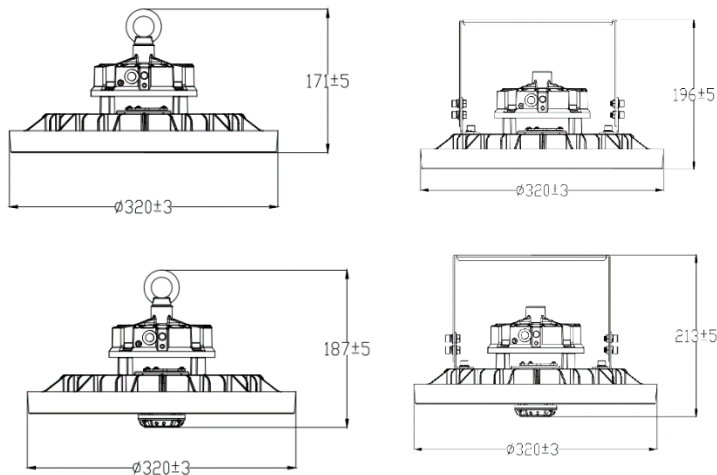


DLC #: RGL-TITAN05-150W

## PRODUCT FEATURES & COMMON USE APPLICATIONS

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

## PRODUCT DIMENSIONS



Rugged Grade Lighting  
Industrial Grade Solutions



## LEGENDARY USA SUPPORT

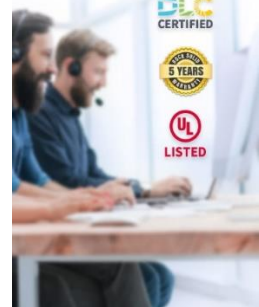


US based  
phone and online  
customer support

DLC  
CERTIFIED

5 YEARS  
WARRANTY

UL  
LISTED



888-953-2476  
sales@ruggedgrade.com

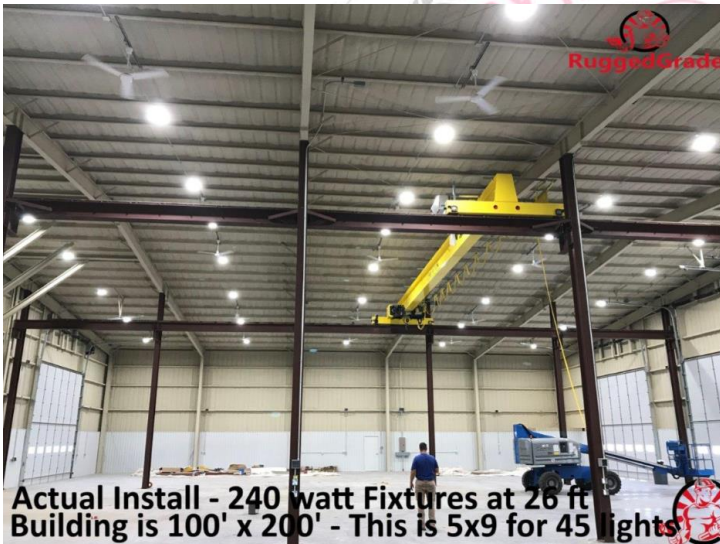
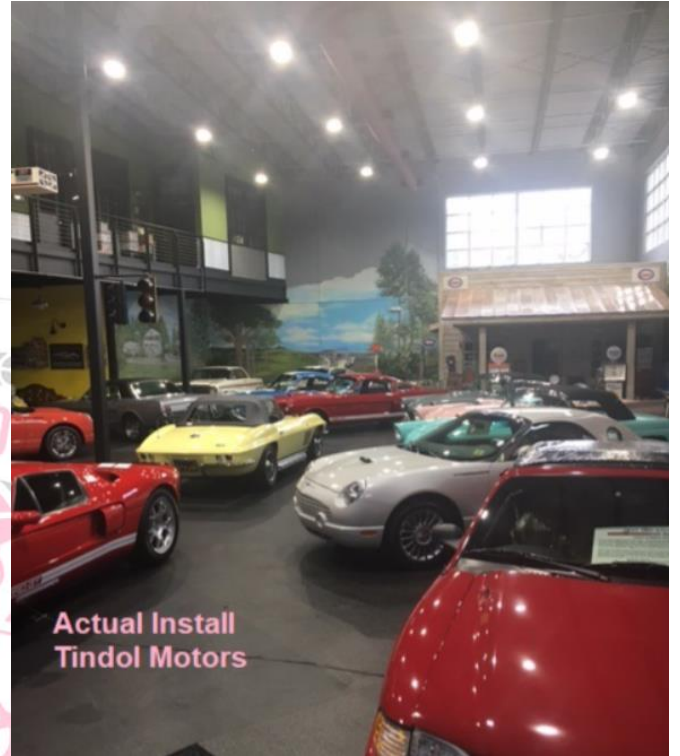
## PRODUCT TECHNICAL SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	150W			
	Color Temperature (Color Tunable)	4000K	4500K	5000K	5700K
	Lumen (Tolerance : -10%)	20439.1 LM	20433.2LM	20427.2 LM	20421.3LM
	Efficacy (Tolerance : -3%)	136LM/W	136LM/W	136LM/W	136LM/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				
<b>ELECTRICAL</b>	Input Voltage and Frequency	120-277VAC, 50/60Hz			
	PF (Tolerance : -3%)	≥0.9			
	THD (Tolerance : +5%)	≤20%			
	Flicker Percent	< 5%			
	Driver Brand	LIFUD			
	Driver Model	LF-FHB150YAIV			
	Driver Surge protection	L/N-PE: 6KV, L-N: 4KV			
	Dimming	0-10V dimming standard			
Optional Accessory	Motion Sensor, Surge-protective Device				
<b>MATERIALS</b>	LED Brand	Lumileds			
	LED Type	SMD2835			
	LED QTY	400PCS			
	Housing	Die-cast aluminum			
	Housing Color	Black, White, or Customized			
	Waterproof Rating	WET (IP65)			
<b>OTHERS</b>	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.			

## PRODUCT MOUNTS & ACCESSORIES



## PRODUCT IMAGES & ACTUAL INSTALLATIONS

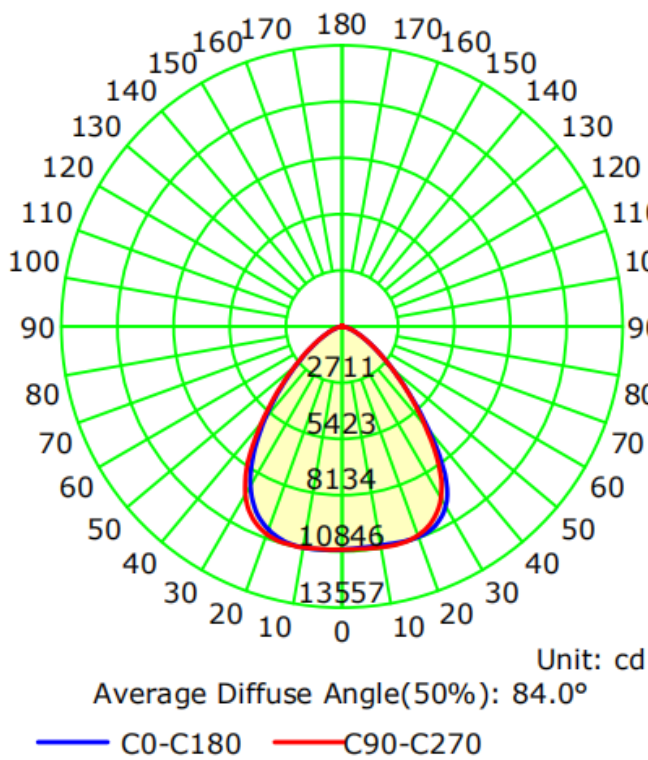


## PHOTOMETRICS & DLC PRODUCT SPEC

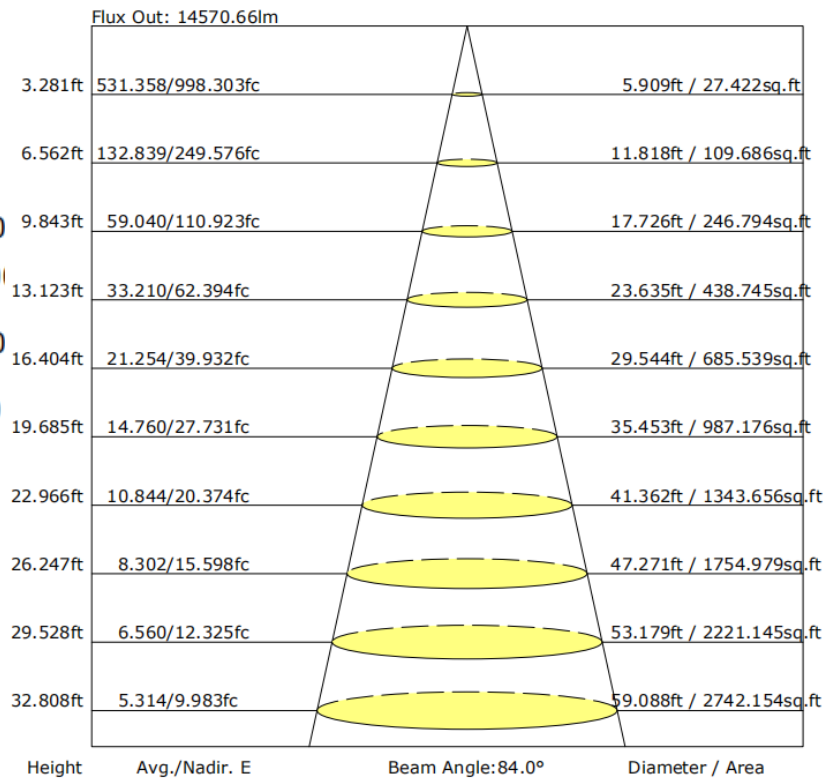
### Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 20439.1 lm
Measurement Flux: 20439.1 lm	Efficiency: 100%
Downward Ratio: 100%	Upward Ratio: 0%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 124.9, 125.3, 125.2, 125.0	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 84.0, 84.1, 83.9, 84.3	
Luminaire Efficacy Rating (LER): 136.34	C0r0 Intensity: 10745.64 cd
Max. Intensity: 10846.16 cd	Pos of Max. Intensity: H337.5 V18
S/MH(C0/C180): 1.26	S/MH(C90/C270): 1.26

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure





## RGL-TITAN5-150/120/100WM1BT2A1-abc50WR

Manufacturer: RuggedGrade

Brand: RuggedGrade

### OVERVIEW

Classification	Premium
Description	High-Bay Luminaires for Commercial and Industrial Buildings
Power (W)	149.91 W
Light Output (lm)	20427.2 lm
Color Temperature (K)	5000 K
Color Rendering Index (Ra)	83
Product ID	PLQLUODUIGMB
Model Number	EMWALR
Status	Listed
Created	2022-01-04

### PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	PLQLUODUIGMB
Manufacturer	RuggedGrade
Brand	RuggedGrade
Model Number	RGL-TITAN5-150/120/100WM1BT2A1-abc50WR
Parent	No
Classification	Premium

### PRODUCT CATEGORIZATION

### CONTROL FEATURES

### REPORTED PHOTOMETRIC PERFORMANCE

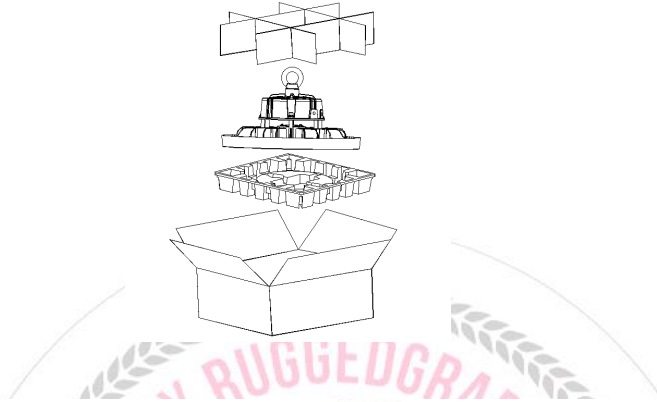
Reported Light Output	20427.2 lm
Reported Efficacy (AC)	136.26 lm/W
Reported CCT	5000 K
Reported CRI (Ra)	83
Reported R9	15
Reported IES Rf	84
Reported IES Rg	97
Reported IES Rcs,h1	-13



## PRODUCT PACKAGING

Lamp Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Pendent	382*382*196MM	1 PC	2.8KG	3.6KG
Surface-	382*382*196MM	1 PC	3.3 KG	4.1KG

\*Tolerance of Carton Size: ±15 MM, Tolerance of Weight: ±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.

