

150W Titan 5 | LED UFO HIGHBAY LIGHT



PRODUCT DESCRIPTION

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. New CCT model makes it easy to switch between 4000k and 5000k.



DLC #: RGL-TITAN5-150/120/100W

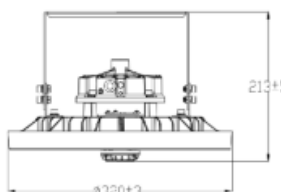
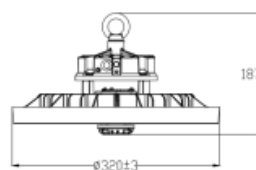
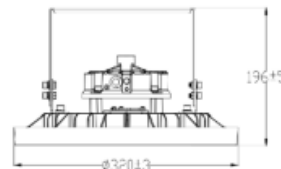
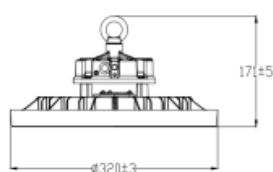
PRODUCT FEATURES & COMMON USE APPLICATIONS

- UL cUL DLC certificate.
- Lumileds or Samsung Chip, 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

Pendent

Surface-mounted



Rugged Grade Lighting
Industrial Grade Solutions



LEGENDARY USA SUPPORT



US based
phone and online
customer support



888-953-2476
sales@ruggedgrade.com

PRODUCT TECHNICAL SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	150W/120W/100W(Wattage Selectable)			
	Color Temperature	4000K	4500K	5000K	5700K
	Lumen (Tolerance : -10%)	20100LM	20200LM	20330LM	20440LM
	Efficacy (Tolerance : -3%)	136LM/W	136LM/W	136LM/W	136LM/W
	CRI	>80			
	Color Consistency	<7 Steps (or <7 SDCM)			
	UGR (Glare Rating)	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
	Diffuser Type	PC Lens			
Beam Angle (50%) (Tolerance :	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 Lighting 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	400PCS			
	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			

PRODUCT MOUNTS & ACCESSORIES

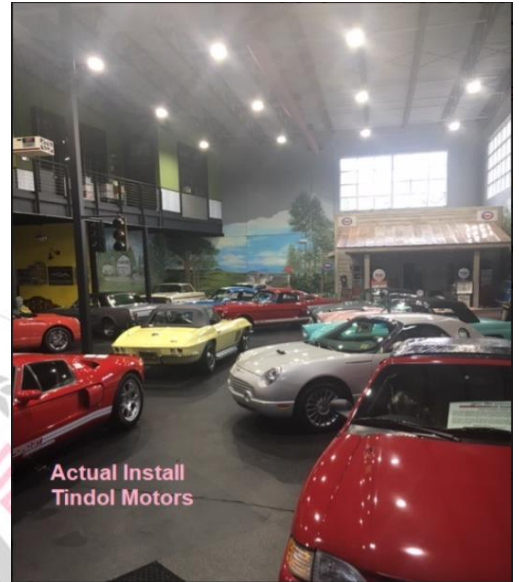


Rugged Grade Lighting
Industrial Grade Solutions



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PRODUCT IMAGES & ACTUAL INSTALLATIONS



DLC PRODUCT SPEC 5000K

Product ID: PLQUODUI6MB

X



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

Manufacturer: RuggedGrade
Brand: RuggedGrade

PRODUCT OVERVIEW

Model Number	RGL TITAN5-150/120/100WM1BT2A1-abc50WR
Classification	Premium
Primary Use	High Bay Luminaires for Commercial and Industrial Buildings
Reported Input Wattage	149.91 W
Reported Light Output	20427.2 lm
Reported CCT	5000 K
Reported CRI (Ra)	83
Product ID	PLQUODUI6MB
DLC Family Code	EMWALR
Listing Status	Listed
Date Qualified	2022-01-04

PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	PLQUODUI6MB
Manufacturer	RuggedGrade
Brand	RuggedGrade
Model Number	RGL TITAN5 150/120/100WM1BT2A1-abc50WR
Parent	No
Classification	Premium

PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

CONTROL FEATURES

[VIEW DETAILS](#)

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

REPORTED ELECTRICAL PERFORMANCE

Reported Input Wattage	149.91 W
Reported Total Harmonic Distortion	15 %
Reported Power Factor	0.9
Reported Minimum Input Wattage	100 W
Reported Maximum Input Wattage	149.91
Reported Default Input Wattage	149.91 W
Voltage Range	120-277 V



DLC PRODUCT SPEC CS

Product ID: PLT3A9YS9XWY x



RGL-TITAN5-CS-150/120/100WM1BT2A1-a[S;Blank][M;P;Blank]40/50KWR

Manufacturer: RuggedGrade
Brand: RuggedGrade

PRODUCT OVERVIEW

Model Number	RGL TITANS CS-150/120/100WM1BT2A1-a[S;Blank][M;P;Blank]40/50KWR
Classification	Premium
Primary Use	High Bay Luminaires for Commercial and Industrial Buildings
Reported Input Wattage	163.57 W
Reported Light Output	22067.2 lm
Reported CCT	5000 K
Reported CRI (Ra)	80
Product ID	PLT3A9YS9XWY
DLC Family Code	EMWALQ
Listing Status	Listed
Date Qualified	2022-01-04

PRODUCT INFORMATION

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	PLT3A9YS9XWY
Manufacturer	RuggedGrade
Brand	RuggedGrade
Model Number	RGL TITANS CS 150/120/100WM1BT2A1-a[S;Blank][M;P;Blank]40/50KWR
Parent	No

PRODUCT CATEGORIZATION

[VIEW DETAILS](#)

CONTROL FEATURES

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REPORTED PHOTOMETRIC PERFORMANCE

Reported Light Output	22067.2 lm
Reported Efficacy (AC)	134.91 lm/W
Reported CCT	5000 K
Reported CRI (Ra)	80
Reported R9	6
Reported IES Rf	83
Reported IES Rg	98
Reported IES Rcs,h1	-12

REPORTED ELECTRICAL PERFORMANCE

Reported Input Wattage	163.57 W
Reported Total Harmonic Distortion	15 %
Reported Power Factor	0.9
Reported Minimum Input Wattage	50 W
Reported Maximum Input Wattage	163.57
Reported Default Input Wattage	150 W
Voltage Range	120-277 V



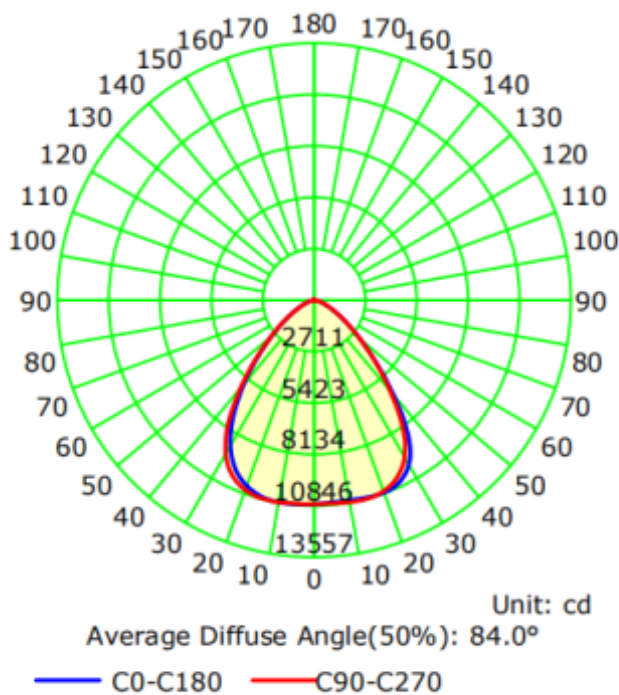
PHOTOMETRICS

LIGHT DISTRIBUTION TESTING PARAMETERS

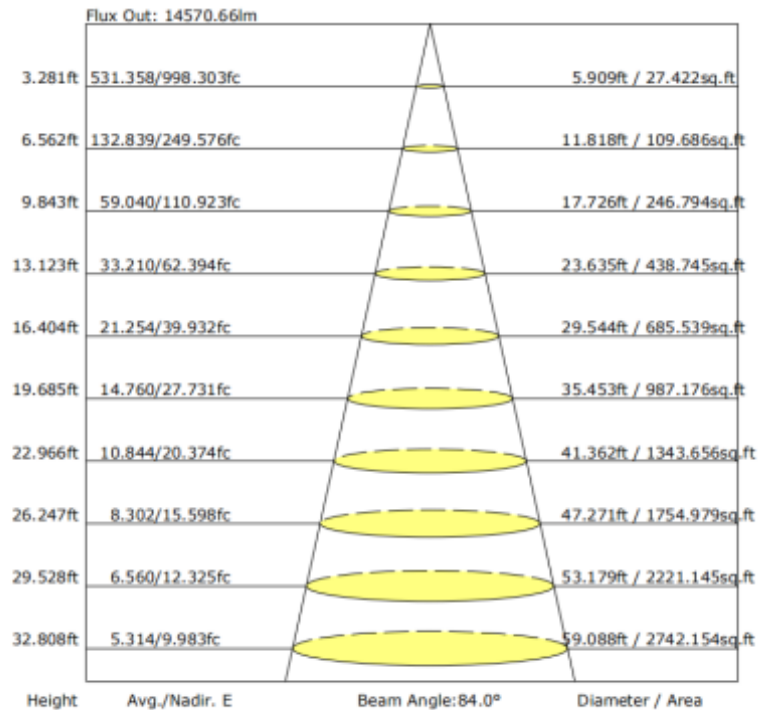
Photometric Results

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



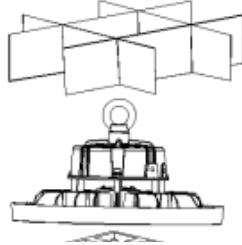
The Average Illuminance Effective Figure



PRODUCT PACKAGING

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Pendent	382*382*196MM	2PCS	2.8kg	6.5kg
Surface-	382*382*196MM	2PCS	3.2kg	6.5kg

*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.**

