

TITAN-RGBFR-30

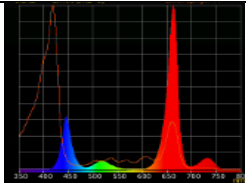
GROW LIGHT BAR

TITAN Series Light Bar is designed for horticulture application. With better cooling design to reach higher light efficiency. It can be using on Vertical farming, Greenhouses, Gardening. It is an early-development stage top-lighting solution for commercial horticulture cultivation, or a full-cycle top-lighting solution.



Features:

- Body housing = Aluminum Case to enhance heat dissipation
- RoHS compliance and CE certification
- Easy installation and wiring.
- IP 65 to protect luminaire
- All components of LED Light Tube are recyclable and environmental friendly

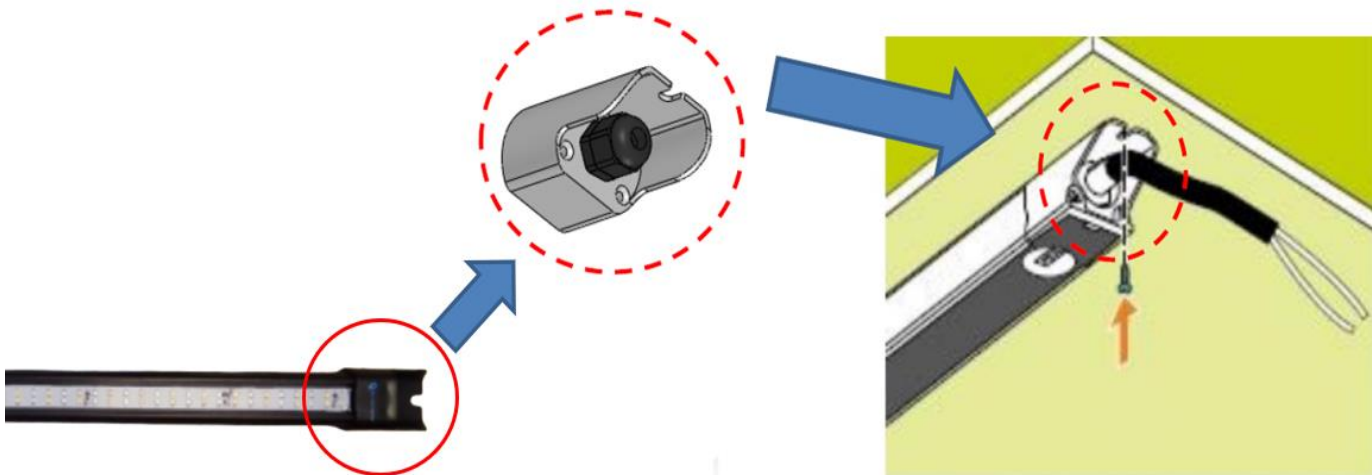
Specification	
Electrical Data	
DC Input Voltage	DC 48V
Rated Power	30W
Light Data	
PPFD $\mu\text{mol}/(\text{m}^2 \cdot \text{s})$ @ 200mm Test Result By single tube	240.5 μmol
Spectrum (The result by PG200N Meter)	
LED lifespan	>50,000 hrs
Viewing angle	120°
Environmental Data	
Operating Temp	-25 to 40°C, <70%RH
Storage Temp	-40 to 50 °C, <70%RH
Al case temperature under operating	45°C
IP Grade	IP 65
Mechanical Data	
Product finish	Black
Light Fixture Material	Aluminum Extruded, PC cover
Dimension (LxWxH)	500 x 50 x 45mm
Weight	1.2 kg
Warranty	3 years (extend to 5 years with strong reliability power-supply)
All parameters are tested under 25°C ambient temperature	



Mechanical Drawing:



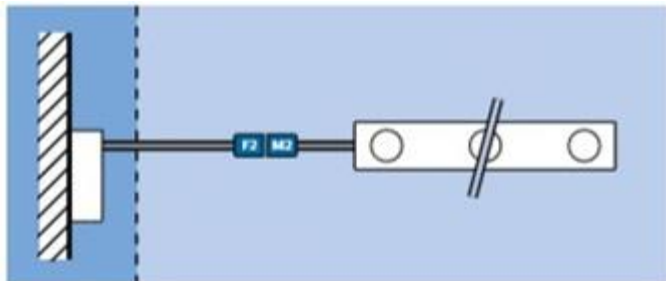
Installation for Light Bar:



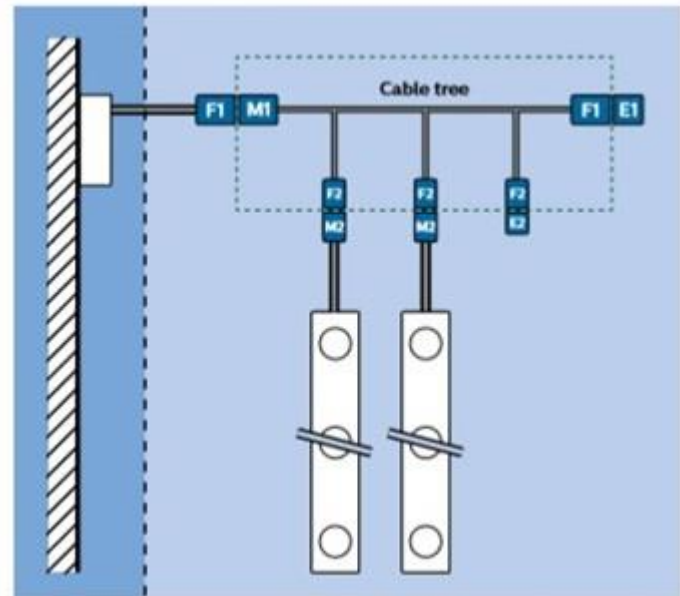
Note: Screw-hole at both ends of light bar, use screws to secure light bar on farming structure.



Light Bar connection to Power-supply:



Option 1



Option 2

Option 1: Single Light Bar connection:
Option 2: Multi-Bars connection

F1/M1: Female and Male connector

Application: lettuce, the tastiest basil, or other vegetables or fruits



Spectrum Test Report:

⇒ PPFD of RGBFR 30W @20cm Height



Spectrum Ratio:

Distance Wavelength	Required Ratio %	Tolerance	20cm	Actual Ratio %
Spectrum				
PPFD (400~700nm)			239.58	
PFD (350~800nm)			255.55	
PFD-UV (350~400nm)			0.0	
PFD-B (400~500nm)	22%	± 2%	58.29	23%
PFD-G (500~600nm)	5%	± 1.5%	12.82	5%
PFD-R (600~700nm)	66%	± 2%	168.47	66%
PFD-FR (700~800nm)	7.0%	± 1.5%	15.94	6.2%



Packing:
NA

Labeling:

 Quantity: XXXX	
 Quelighting P/N: XXXXXX	
 Lot number: XXXXX	
Iv Bin: XX Color Bin: XX Vf Bin: XX	Date Code: XXXX

Ordering Information:

Part No.	Model Name	Quantity per BOX
QLALTL50030BGRFR18-265	TITAN-RGBFR-30	10 pcs

Revision History:

Revision Date:	Changes:	Version #:
09-01-2020	Initial release	1.0

