

Technical Data Sheet TL200

Product Overview

Name : Plant Top Light for Green House

Model : TL 200

Brief Description :

200 watts LED grow light, with optimum full spectrum layout with ePAR coverage, Refactor design excellent heat dissipation system, IP 65, best for commercial growing.

Key Features, Benefits & Advantages

Top Features

1. 200 watts.
2. Passive cooling.
3. High intensity LEDs PPE – Upto 3.4 $\mu\text{mol/J}$
4. Up to 1 meter height adjustment.
5. Broad spectrum with ePAR coverage
6. Available with 60, 90, 120-degree beam angle
7. Backed with 36-month warranty

Benefits & Advantages to Customers

1. High output, low power: 200 W LED performance equivalent to 600 W Metal Halide with up to 60% energy savings.
2. Efficient growth lighting: High-intensity LEDs with up to 3.4 $\mu\text{mol/J}$ PPE and broad-spectrum ePAR for optimal plant growth.
3. Flexible installation: Adjustable height (up to 1 m) with beam angles of 60°, 90°, and 120°.
4. Long life & thermal efficiency: Superior heat dissipation ensures stable performance and extended lifespan.



Technical Specifications

Electrical Parameters

Input Voltage (V AC)	180 to 240
Input Power (Watts)	200
Input Current (Amps)	0.88
Inrush Current (Amps)	2
Frequency (Hz)	50
Light Source	smd LED
Plug Socket	NA
THD	Less than 10
Power Factor	0.9
Dimming Interface	Manual / IOT / NA
Surge Protection (kV)	4

Performance Parameters

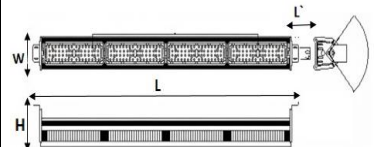
PPE ($\mu\text{mol/J}$)	
LED Lifespan (Hrs)	50,000
Lumen per Watt	
Certifications	BIS, CE, RoHS

Mechanical Parameters

Dimensions (L×W×H) mm	1154 x 115 x 144
Weight (Kg/lb)	7.1 / 15.65
Material	Aluminium
Fixture Color	Gray
Beam Angle / Light Distribution	60°/90°/120°
Form Factor	Linear

Dimension Drawing

Indicators	Values (mm)
L	1154
W	115
H	144
L'	13.5



Environmental Parameters

Operating Temperature(°C)	0 to 40
Operating Humidity(%)	100
IP Rating	IP65

Spectrum Details

Spectrum **Nx4B**

PFD %

UV	B	G	R	FR	PAR	ePAR	CCT	CRI	B:G	R:FR	R:B
0	11%	33%	45%	11%	100	89	3190K	94	0.34	4	4

PPFD Intensity Chart / Heat Map

1.2 m					1.2 m
121	130	169	138	116	
154	262	314	271	158	
199	323	379	331	214	
155	265	312	273	159	
119	132	167	142	118	
Distance between light and PAR sensor is 1.2 m					

Visuals



Installation & Connectivity

Mounting Options

1. Rope Ratchet, Metal Ratchet



Connecting Options

1. 2Ft input AC cable (customizable)
2. IP65 Connector



Variants

Wattage	400 watts, 200 watts, 100 watts, 50 watts
Size	1.2 meter, 0.9 meter, 0.6 meter, 0.3 meter
Spectrum Options	Nx4B

Ordering Information

Product Code :

1. FG0204 - Fixed Intensity
2. FG0224 - Manual Control
3. FG0225 - IOT Control

Intensity Control Options

Sr.No.	Options	Images
1	Fixed Intensity	
2	Manual Control	
3	IOT Control	

Contact Information

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