

COSMO FARM LED PANEL

Specification

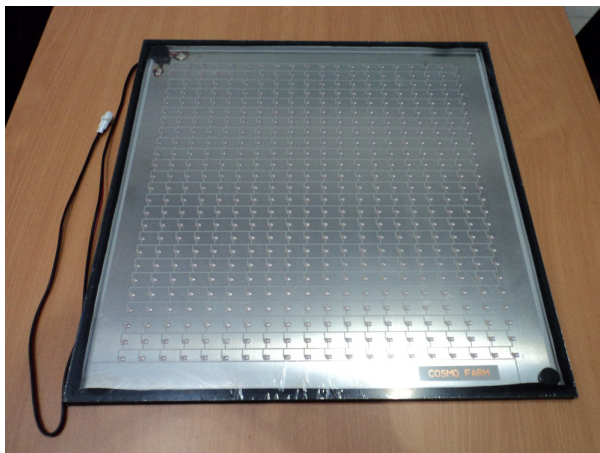
Cosmo Farm LED Panel is a surface mount, compact, high brightness LED Panel that is built for farming needs. This panel can deliver typical 350 Lumen and 655nm Red color light with 2.5A constant current at DC 45V. The waterproof construction can ensure the farm usage as well as the durable of the panel.

Features

- 655nm Red color light designed for farming usage
- High illuminance, typical 350 Lumen
- Peak wavelength is 655nm
- 950mm length connection wires
- 500pcs Super bright LEDs
- High grade Aluminum PCB
- High efficiency
- 2.5A current constant driver with DC 45V
- Waterproof

Typical Applications

- Farming assistance
- Red light decoration
- Beacon lights
- Garden lighting
- Architectural lighting



■Absolute Maximum Rating**(Ta=25°C)**

<u>Item</u>	<u>Symbol</u>	<u>Value</u>	<u>Unit</u>
DC Forward Current constant	$I_{F(\text{constant})}$	2.75	A
Power Dissipation	P_D	130	W
Operating Temperature	T_{op}	-10 ~ +85	°C
Storage Temperature	T_{st}	-40~ +100	°C

*Pulse width Max.10ms Duty ratio max 1/10

■Electrical -Optical Characteristics**(Ta=25°C)**

<u>Item</u>	<u>Symbol</u>	<u>Condition</u>	<u>Min.</u>	<u>Typ.</u>	<u>Max.</u>	<u>Unit</u>
DC Current Constant	$I_{F(\text{constant})}$	DC 45V	-	2.5	2.75	A
Peak Wavelength *	λ_p	$I_F=2.5A$	-	655	-	nm
Illuminance	I_{lux}	$I_F=2.5A$	-	350	-	Lumen

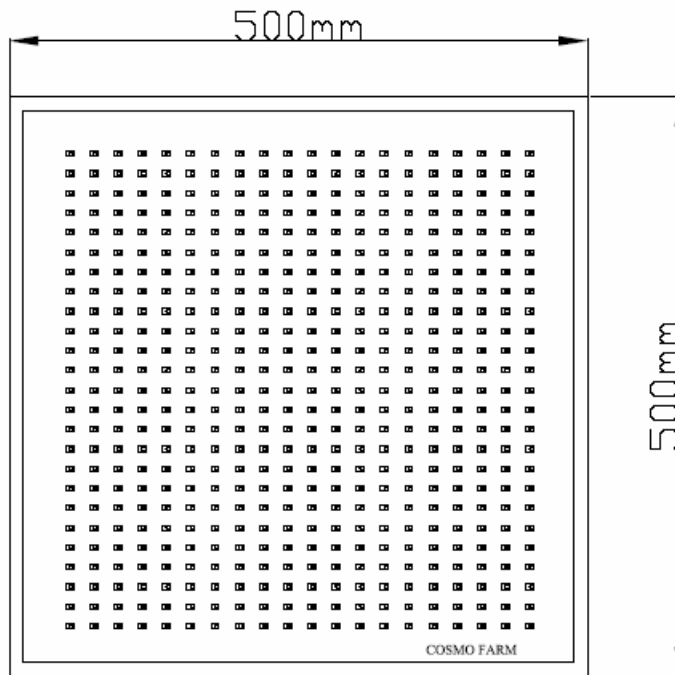
*1 Tolerance of Peak wavelength is $\pm 3nm$

*2 Illuminance is measured at 1.5m direct apart

*3 Total 500pcs LEDs in panel

*4 950mm connection wire included

Outline Dimension



Circuit Diagram

