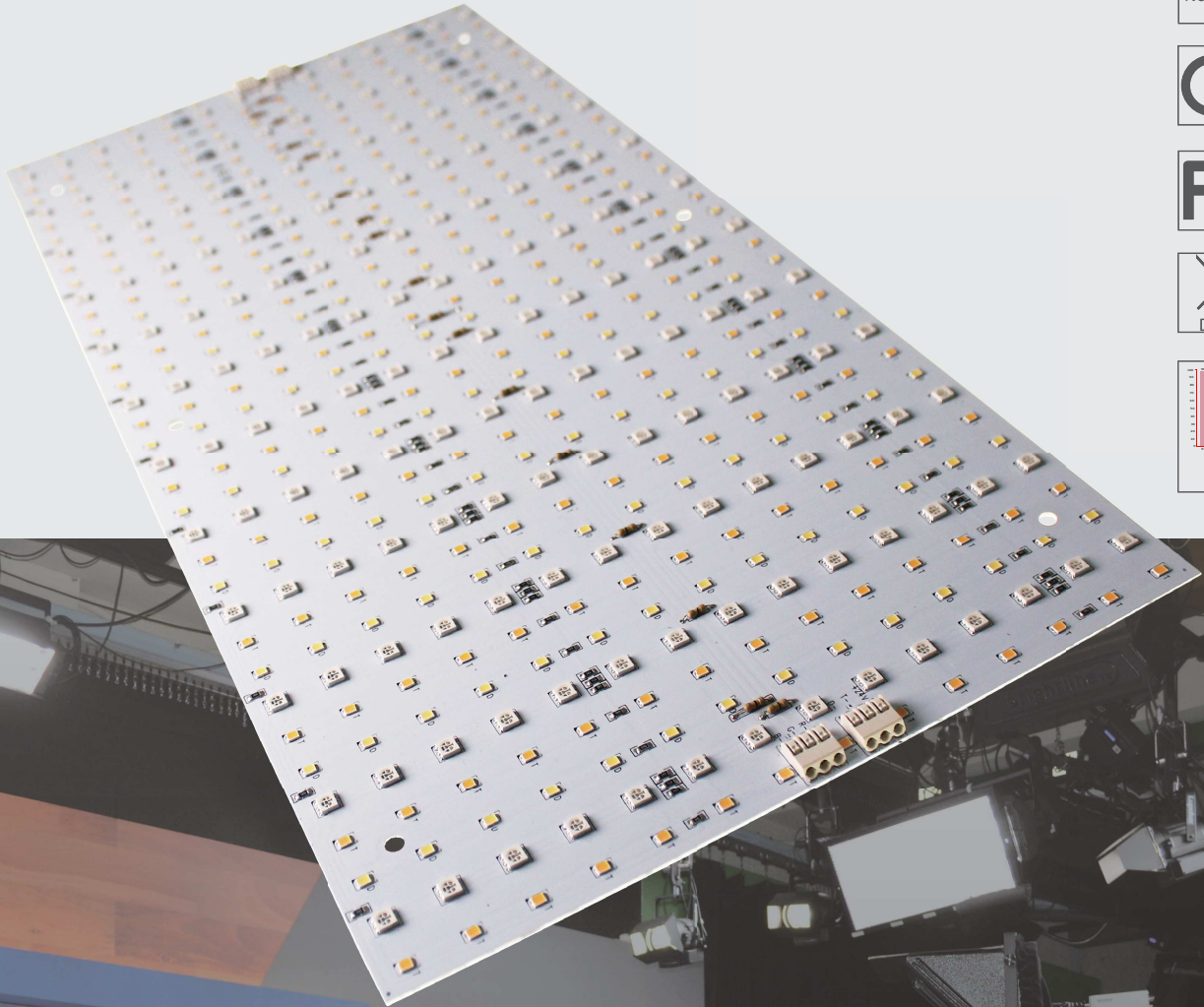


Datasheet for RGB+Bi-color Rigid Panel



-  RGB+Bi-color
-  DC24V
-  Nonwater-proof
-  120°
View angle
-  CE
-  RoHS
-  FC
-  Class III
-  CRI
Ra>95
-  Full spectrum
R1-R15>90



5050 RGB SMD+2835SMD

High Brightness RGB+Bi-color Rigid Light Panel

Description

504 LEDs/pcs	24V DC	RGB +	Ra>96 R1-R15>90	480mm x 240mm
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➤ Great light source

Super bright RGB and 0.2W high CRI 2835 SMD LEDs(2800K/3000K+5600K/6000K) are used as light sources, with high lumen output and super light mixing effect.

➤ Super 2.0mm thickness aluminum PCB

GLU RGB+Bi-color Rigid light panel use high quality aluminum PCB with 2.0 mm thickness to ensure good heat dissipation effect.

➤ WAGO 3pins connector are used

GLU RGB+Bi-color Rigid light panel use 2pcs WAGO 3pins connector located on both sides, easy for connections between panels.

➤ Newest relased High CRI leds

Newest relased high CRI 2835 SMD LEDs are used, CRI over 96, with full spectrum R1-R15 consistently over 90.

➤ Environmental friendly

GLU LED Panel are complied with CE and RoHS standard without harmful substance, such as lead or Mercury etc.

➤ OEM available

GLU Lighting are specialised in OEM projected for all products related to high quality led strips and rigid or flexible led panels for many years, welcome for OEM cases on high quality LED related products.

Technical Parameter

Absolute Maximum Rating at TA=25℃

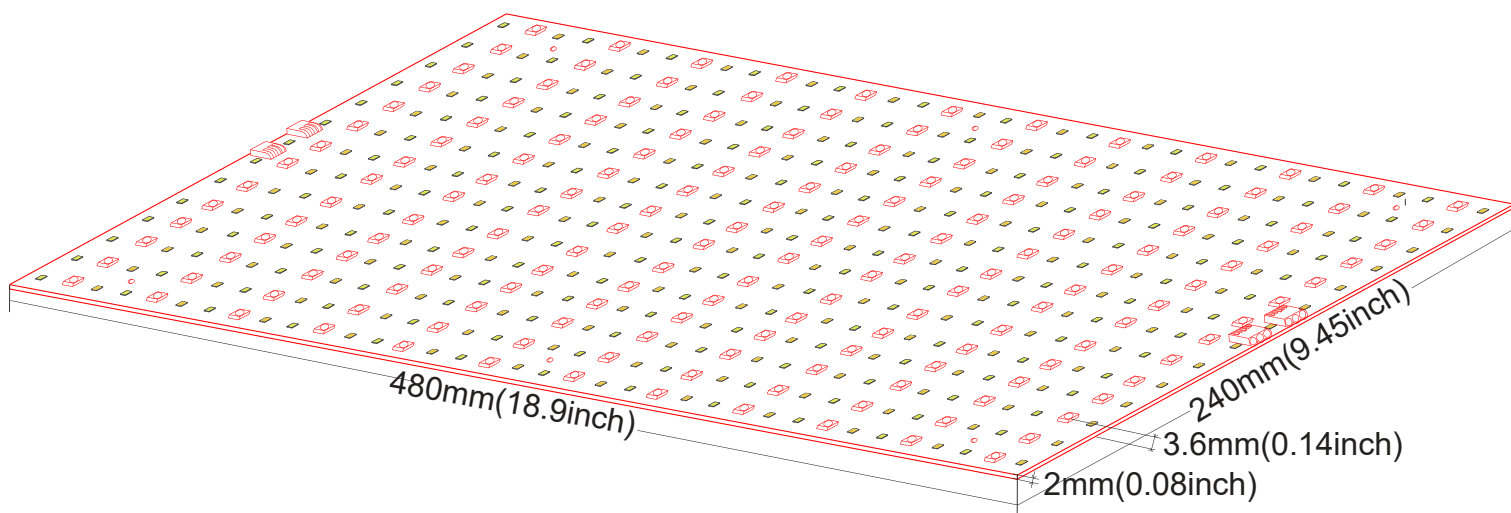
Parameter	Symbol	Absolute Maximum Rating		Unit
LED Qty.	--	RGB/168(12×14)	W/WW/2×168(12×14)	PCS
Forward Current	IF	2950		mA
Forward Voltage	VF	24		VDC
CRI	Ra	---	Ra>96(R1-R15>90)	--
View Angle	--	120		°
Electrostatic discharge	ESD	400		V
Operating Temperature	Topr	-25 ~ +60		℃
Storage Temperature	Tstg	-40 ~ +80		℃

Typical Electrical / Optical Characteristics at TA=25 °C

Part No.	Color	WLD/CCT	Lumen Flux	CRI	Voltage	Current	Power
GLU-RLPN-FP-504	Red	620-630nm	330lm	---	DC24V	2.95A	70W
	Green	515-525nm	660lm				
	Blue	460-470nm	190lm				
	Warm white	1900-3200K	1420lm	Ra>96			
	White	5000-6500K	1610lm	R1-R15>90			

Note: 1. The lumen flux tolerance is ±10% due to difference for test equipment.

Dimension



Safety Information

- The SMD light panel itself and all its components may not be mechanically stressed. Installation must not damage or destroy conducting paths on the circuit board.
- Installation of LED light panel(with controller & power supplies) needs to be comply with all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations. Correct electrical polarity needs to be observed. Wrong polarity may destroy the ribbon.
- Proper heat sinking device is recommend if needed.
- Due to the large power, connecting too many pieces in series is not recommended.
- Please ensure that the power supply is of adequate power to operate the total load.
- When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical insulated points between panel and the mounting surface.
- Please pay attention to standard ESD precautions when installing the ribbon.
- Damaged by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as acidity, alkaline and other harmful elements.
- The panel must installed in a place with good heat dissipation condition. Do never installed the strip impending or or inflammables.

