

# Smart RGBCWIC Module

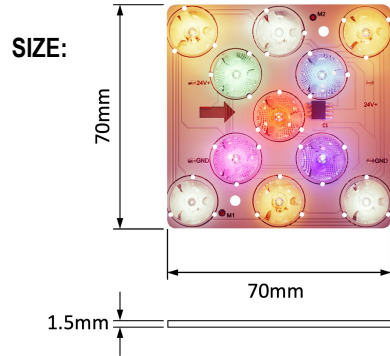
## FEATURE:

- No UV or IR radiation
- Super thin and flexible
- Waterproof IP20
- High Brightness 11 in 1 SMD LED Module
- LED QTY: 11Pcs (RGB\*5+C\*3+W\*3)
- 50,000 hours long life span
- Power: 3.6W/pc
- 160° Beaming Angle
- Colour: RGB + Pastel Dynamic Lighting Scenes
- General light: 2200K - 6500K, Ra95@4000K, 345lm/pc
- RGBCWIC, one pixel per module



## Absolute Maximum Rating at TA=25°C :

Parameter	Symbol	Absolute Maxium Rating	Unit
Voltage	$V_{IN}$	DC24V	VAC
Electrostatic Discharge	ESD	2,000	V
Operating Temperature	TOPR	-20°C~45°C	°C
Storage Temperature	TSTG	-20°C~60°C	°C



## Electrical/Optical Characteristics at TA=25°C ( $V_{IN}$ =DC24VAC)

Colour	Voltage	Current	Power	Standby Power	Max. Connection
RGB+CW+Pastel Dynamic Scenes	$V_{IN}$	150 mA/pc	3.6 W/pc	≤0.002 W/pc	1024pcs

## Installation Instructions:

- A single smart controller supports a maximum connection of 1024 pcs.
- It features 4 signal channels, with each channel supporting a maximum of 256 pcs.
- Connect the positive (+) polarity of the module to the positive (+) terminal of the 24V power supply.
- An additional 24V power supply is required for every 24 pcs.
- The system is powered by a 24V constant current power supply.
- Use 1mm<sup>2</sup> 2-core sheathed cable for signal wiring.
- The length of the signal cable shall not exceed 10m.
- Secure and install the device using screws.
- A Zigbee gateway is required for APP control, remote control, and voice control.

## NOTES:

- This is a low-voltage product. Please ensure the input voltage is DC 24V.
- Do not apply mechanical stress to components on the PCB from any direction.
- Do not bend.
- Do not install in flammable, explosive or corrosive environments.

## APP User Interface:

