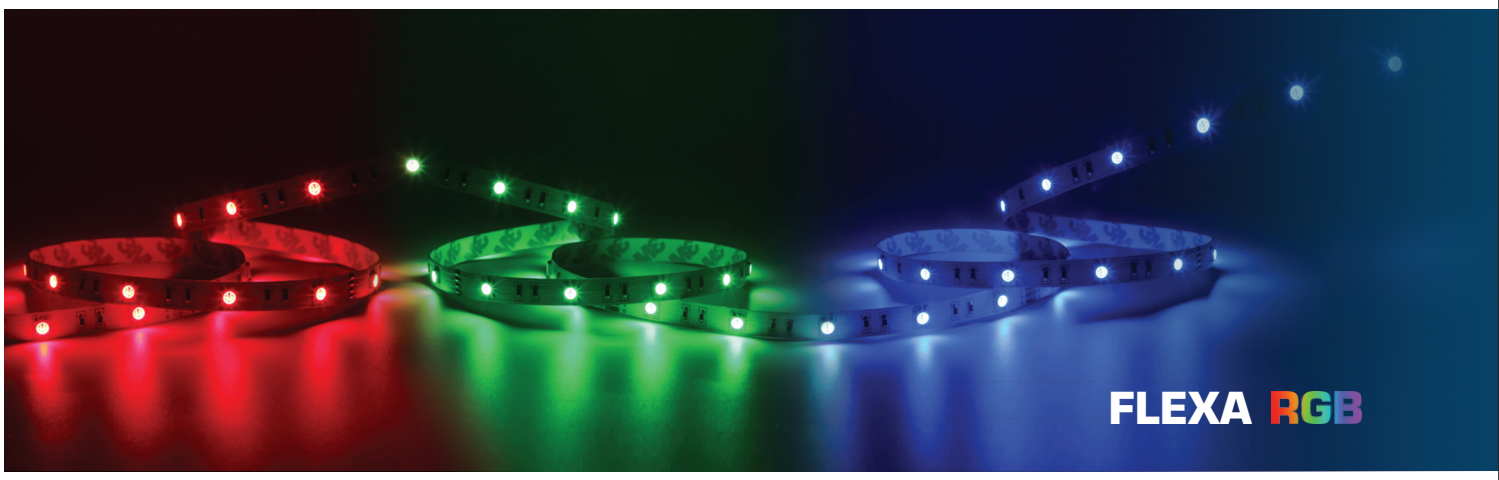


LED STRIP LIGHTS

Date: 22-03-2021

THIEN MINH MECHANICAL - ELECTRIC JSC
Head office: MESTAR Building, No. 98/11 Ung Van Khiem Street, Ward 25,
Binh Thanh District, Ho Chi Minh City, Vietnam.
Tel: (84) 28.3899 4790 - Email: mestar@mestar.vn - Web: www.mestar.vn

Ha Noi Office: TT4.18, Xuan Phuong Tasco Urban Area, Xuan Phuong Ward,
Nam Tu Liem District, Hanoi City, Vietnam.
Tel: (84) 24.3222 2411

FLEXA RGB

MODEL: **MI8S-R5050-7.2W**

Introduction
FLEXA RGB is color changing SMD 5050 LEDs strip light series. This product series are as versatile as they are customizable and can be installed in basically any space you can imagine. Using a remote controller, you can change the settings, brightness, and colors of the light strips to almost any color you can imagine! The IP65 rating means that the LED strip lights are able to withstand jets and splashes of water from all sides. The IP68 can be submerged in water. We also recommend outdoor lights for use indoors in high splash areas or if you're looking for a strip that is easier to clean.

Features
- The overall jump and gradient can be realized by the controller.
- 120º Beam Angle.
- Intergrated RGB LED chips, bright and pure color.
- 3M adhesive for a strong bond to the weatherproof silicone sleeve.
- Single BIN LED selection to ensure color consistency.
- 24VDC, class III for safety use.
- Highest quality components premium packaged 5050 SMD LEDs.
- IP20 for indoor use only.
- IP65 rated with non-yellowing and UV resistant silicone sleeve for indoor and outdoor use.
- IP68, sealed with anti-UV polyurethane without color shifting and anti-UV aging.
- 50,000 Hour lifespan (8 hours a day for 17 years).
- Lead cable 360mm for connection.
- CE, UL and RoHS certified.

Controller
- DMX512 control system.
- RGB Remote Control.

Application
- Color controllable cove lighting.
- Signage.
- Back-lighting.
- Edge lighting.
- Store display lighting.
- Hotel lobbies.
- Architectural displays.
- Under cabinet lighting.

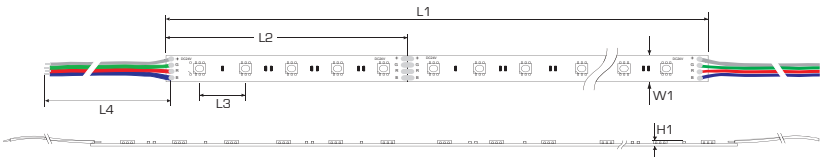
Installation
- Installation in accordance with national standard and local electrical codes.
- This product must be installed and maintained by qualified electricant.
- See Safety warning for more information before installation.

Approvals and markings

CE IP20 IP65 IP68

UL RoHS 3 YEARS 5 SDCM for indoor & outdoor

Dimension (mm):

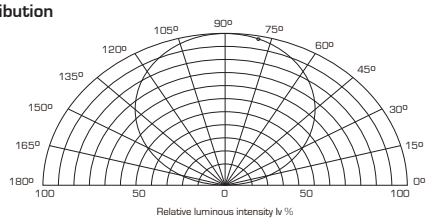


Feature

YES Dimmable

Cuttable

Light distribution



Beam angle

Color temperature

Dynamic
- RGB

We reserve the right to make technical and design changes.

Date: 22-03-2021

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FLEXA RGB

Technical data

Model	MI8S-R5050-7.2W RGB-B120-V24-30S	MI8S-S5050-7.2W RGB-B120-V24-30S	MI8S-J5050-7.2W RGB-B120-V24-30S	MI8S-R5050-14.4W RGB-B120-V24-60S	MI8S-S5050-14.4W RGB-B120-V24-60S	MI8S-J5050-14.4W RGB-B120-V24-60S
Power (W/M)	7.2W	7.2W	7.2W	14.4W	14.4W	14.4W
Efficacy@6000K	21lm/W	19lm/W	18lm/W	23lm/W	21lm/W	19.5lm/W
Input voltage (V)	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC
Ingress protection	IP20	IP65	IP68	IP20	IP65	IP68
Color rendering index	/	/	/	/	/	/
Led Qty (LEDs/M)	30 LEDs	30 LEDs	30 LEDs	60 LEDs	60 LEDs	60 LEDs
Working Temperature (ºC)	-20ºC ~ 50ºC	-20ºC ~ 50ºC	-20ºC ~ 50ºC	-20ºC ~ 50ºC	-20ºC ~ 50ºC	-20ºC ~ 50ºC
Storage Temperature (ºC)	-30ºC ~ 80ºC	-30ºC ~ 80ºC	-30ºC ~ 80ºC	-30ºC ~ 80ºC	-30ºC ~ 80ºC	-30ºC ~ 80ºC
Length/Reel (m)	5m	5m	5m	5m	5m	5m

* Exceeding maximum ratings for operating and storage temperature will reduce expected life time or destroy the LED Modules.
* Exceeding maximum ratings for operating voltage will cause hazardous overload and will likely destroy the LED Modules.

Dimension data

Model	MI8S-R5050-7.2W RGB-B120-V24-30S	MI8S-S5050-7.2W RGB-B120-V24-30S	MI8S-J5050-7.2W RGB-B120-V24-30S	MI8S-R5050-14.4W RGB-B120-V24-60S	MI8S-S5050-14.4W RGB-B120-V24-60S	MI8S-J5050-14.4W RGB-B120-V24-60S
L1 (mm) ±10	5004	5010	5018	5004	5010	5018
L2 (mm) ±1	166.7	166.7	166.7	100	100	100
L3 (mm) ±0.2	33.3	33.3	33.3	16.7	16.7	16.7
L4 (mm) ±5	360	360	360	360	360	360
W1 (mm) ±0.1	10	12	12.5	10	12	12.5
H1 (mm) ±0.1	2.1	4.5	5.3	2.1	4.5	5.3

Luminous flux data: Unit: (lm/m)

Model / Color temperature	MI8S-R5050-7.2W RGB-B120-V24-30S	MI8S-S5050-7.2W RGB-B120-V24-30S	MI8S-J5050-7.2W RGB-B120-V24-30S	MI8S-R5050-14.4W RGB-B120-V24-60S	MI8S-S5050-14.4W RGB-B120-V24-60S	MI8S-J5050-14.4W RGB-B120-V24-60S
Red	615~625nm/60lm	615~625nm/54lm	615~625nm/51lm	615~625nm/130lm	615~625nm/117lm	615~625nm/111lm
Green	520~530nm/150lm	520~530nm/135lm	520~530nm/128lm	520~530nm/330lm	520~530nm/297lm	520~530nm/281lm
Blue	460~470nm/40lm	460~470nm/36lm	460~470nm/34lm	460~470nm/70lm	460~470nm/63lm	460~470nm/60lm

* The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

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FLEXA RGB

Dimension data

Model	MI8S-R5050-7.2W RGB-B120-V24-30S	MI8S-S5050-7.2W RGB-B120-V24-30S	MI8S-J5050-7.2W RGB-B120-V24-30S	MI8S-R5050-14.4W RGB-B120-V24-60S	MI8S-S5050-14.4W RGB-B120-V24-60S	MI8S-J5050-14.4W RGB-B120-V24-60S
Box dimension (mm)	485x260x380	485x260x380	485x260x380	485x260x380	485x260x380	485x260x380
Carton ddimension (mm)	360x240x240	360x240x240	360x240x240	360x240x240	360x240x240	360x240x240
Gross weight (kg)	/	/	/	/	/	/
Net weight (kg)	/	/	/	/	/	/
Bag weight (g)	/	/	/	/	/	/
Bag quantity (bags/carton)	25	15	15	25	15	15

Safety warning

- Install in accordance with national standards and local electrical codes.
- This product must be installed and maintained by a qualified electrician.
- Only install it with Class 2 DC constant voltage driver, Do not use this product if it does not comply with Class 2 standard.
- The power of drive must meet the output of the rated power, and do not exceed the specified output power.
- Use a cable with rated temperature at least 80^{o}C and be certified for external connection of the electrical equipment.
- Improper electrical installation may cause the cable to overheat and cause a fire. Please use a suitable cable between the driver, the lamp, and the controller. When selecting a wire, the voltage and current must meet the rated values.
- The LED module itself and all its components must not be mechanically stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- To avoid mechanical damage, the LED modules should be attached securely to the intended substrate. Heavy vibration should be avoided.
- Installation of LED modules (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Observe correct polarity! Incorrect polarity will lead to no light emission and may cause damage of the LED module.
- Parallel connection is highly recommended as safe electrical operation mode. Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the LED module.
- When mounting on metallic or otherwise conductive surfaces, there needs to be a electrical isolation at soldering points between module and the mounting surface.
- Pay attention to ESD steps when mounting the module.
- Please ensure that the power supply is of adequate power to operate the total load.
- Damage 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 moisture and condensation and other harmful elements.
- For applications involving exposure to humidity and dust the module must be protected by a fixture or housing with a suitable protection class.

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