

# Technical data

**CODE:**

539223

**PRODUCT:**

LED MODULE D165-3 RGB

**NOTE:**

TECHNICAL DATA

**IMAGE:****LAST UPDATE:**

3/2022



CATEGORY

**LED TECHNOLOGY**

# LED MODULE D165-3 RGB

CE	RoHS	5050 SMD	3 LEDS	0,65 W	DC 12V	IP 65	160°
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## Model D165-3 RGB

### Features:

- Powered by high output 5050 LED.
- Constant voltage.
- Clear 160° optic lens.
- 20 pcs per string.
- CE, RoHS,UL,TUV, BIS, CB and LM-80 certified.

### Applications

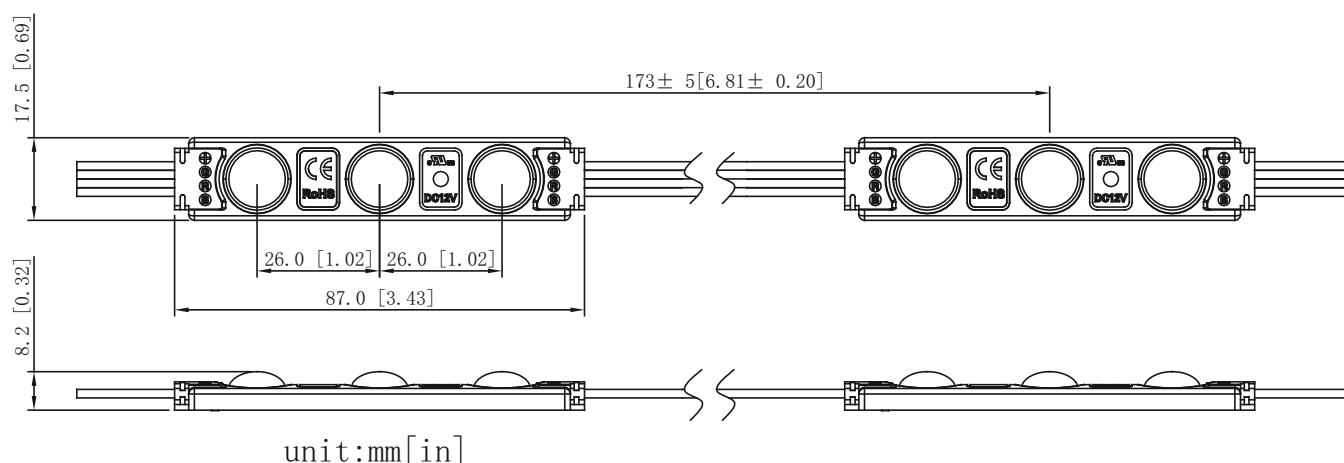
Apply to 8-20 cm depth signs at airports, metros, banks, buildings and shopping malls, etc.

### Warranty

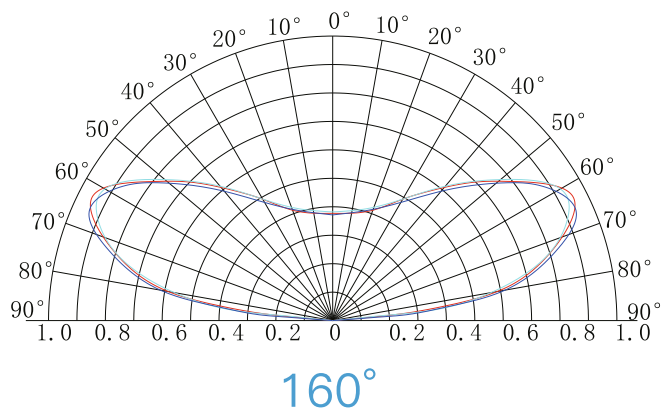
Life span 50,000 h

Model	D165-3 RGB
CCT (K)	RGB
CRI	≥ 75
Beam angle	160°
Luminous flux	R6 G22 B5 lm
Voltage	DC 12 V
Power	0,65W
Driving method	Constant Voltage
Dimension	87x17,5x8,4 mm
Weight	15 g
Working temperature °C	-25 ~ +60°C
Storage temperature °C	-25 ~ +70°C
Protection grade	IP65

### Profile drawings



## Beaming angle



## Reference scheme

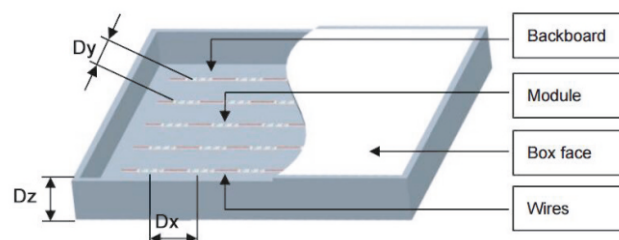
Depth (mm)	Distance (mm)	Density (pcs/m <sup>2</sup> )	Illumination (lux)
Dz = 65	Dx = 100 Dy = 50	52	4100 ~ 5400
Dz = 90	Dx = 120 Dy = 70	37	2900 ~ 4500
Dz = 100	Dx = 130 Dy = 80	29	2800 ~ 3600
Dz = 130	Dx = 140 Dy = 90	19	1900 ~ 2400
Dz = 180	Dx = 140 Dy = 90	18	1800 ~ 2200

## Remark

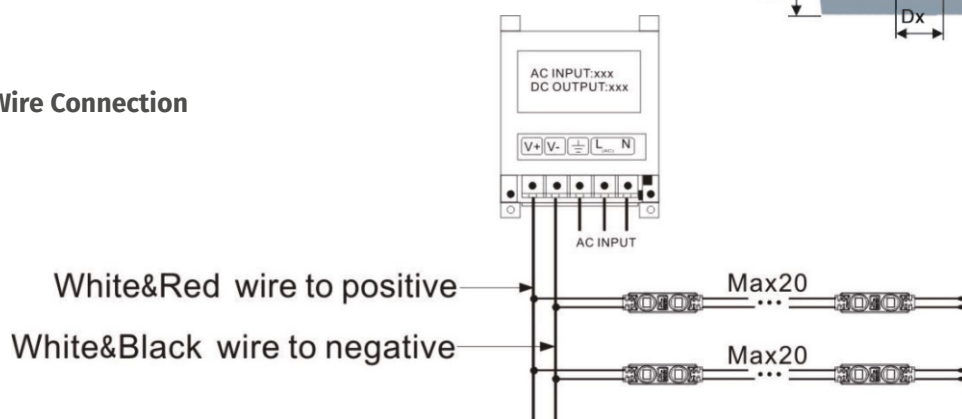
The acrylic plate in the case is 3mm thickness, and the light transmittance is 54.4%.

The illumination above is the minimum data when evenly lighted.

The above data is for reference only.



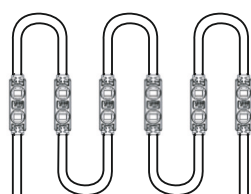
## Wire Connection



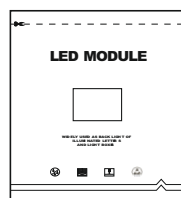
## Instruction

- Disassembling or modifying the product is forbidden.
- Installation with power on is forbidden.
- Any organic solvent chemical is forbidden.
- Acidic or alkaline adhesive is forbidden when install, neutral glass cement could be used for installation purpose, make it drying in open environment for four hours.
- Isolation and corrosion prevention on all wiring points and wire ends.
- Make sure the power wire is thick enough and ensure the voltage and connections are connected correctly before power on.
- This product should be used in a sign, do not expose it in opening site.
- Installation, maintaining should be done by professional staff.
- 20 pcs in a serial connection maximum.
- The power wire between power supply and module should be less than two meters to keep the same brightness on all parts.
- Initial location with 3M tape, then secure with screws.

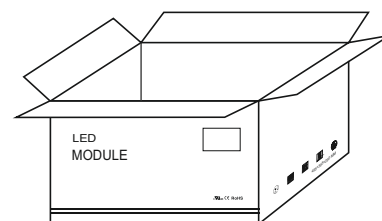
## Packing



20 pcs per string



100 pcs in an antistatic bag



1000 pcs per carton

### Antistatic bag adopted

**Carton dimension:** 490 x 450 x 220 mm

**Bags per carton:** 10

**Quantity per carton (pcs):** 1000

**Net Weight (kg):** 15,0 (1±10%)

**Gross Weight (kg):** 16,1 (1±10%)

Due to packing manner difference, please adhere to the original products in case of discrepancy found between the picture and actual products.

## Declaration

- Warranty: 3 years.
- In order to ensure the safety, the broken wires need to be replaced by the manufacturer or the service agent, or by the staff with the similar qualification.
- The given data in the specification was based on the laboratory testing, there may be discrepancy found in the actual products.
- The given drawings in the specification are only for reference, there may be discrepancy found in the actual products.
- The products are subject to change without prior notification.