

# Technical data

**CODE:**

511213

**PRODUCT:**

LED MODULE DXS-3

**NOTE:**

TECHNICAL DATA

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

9/2021

# LED MODULE DXS-3

<b>CE</b>	<b>RoHS</b>	<b>3030 SMD</b>	<b>3 LEDs</b>	<b>UL US E348340</b>	<b>DC 12V</b>	<b>IP 66</b>	<b>5 years</b>
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## Model DXS-3

### Features:

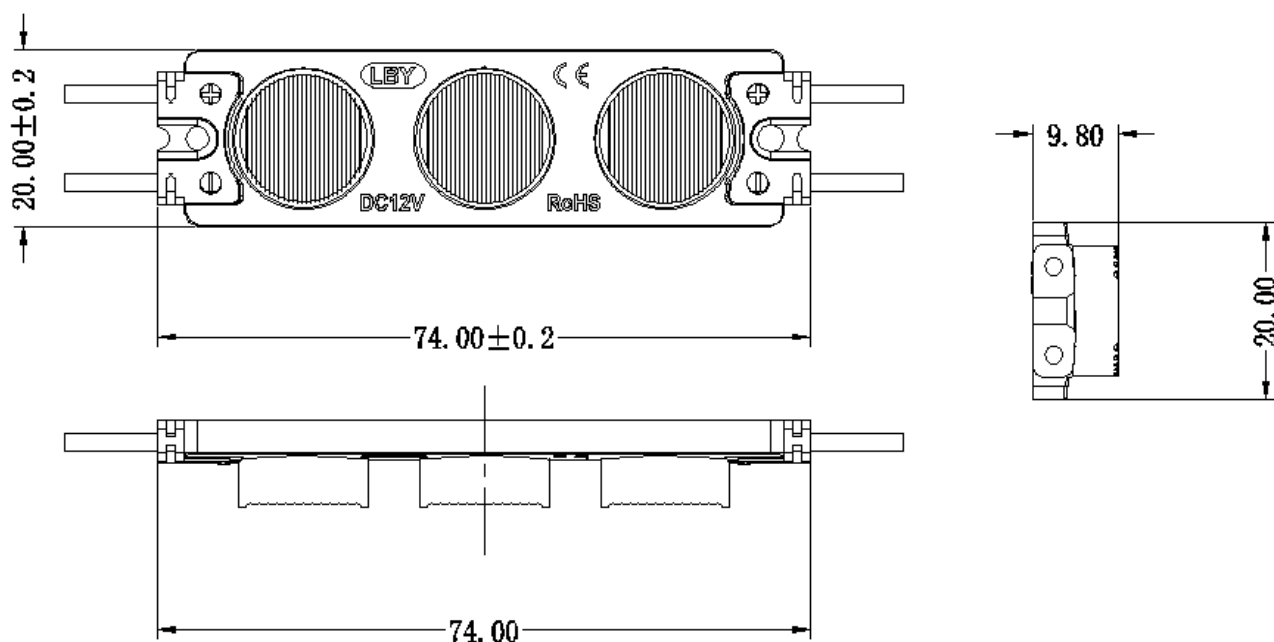
- Sourced by high output SMD 3030, good color conformity and no spot
- 99,99% gold tread, pure copper bracket coated with silver
- SDCM ≤ 5 each BIN
- Special lens design, 29\*34° beaming angle with even light
- Overmoulded: anti-dusting, anti-moisture, waterproof, anti-shock
- 20 pcs max in a series connection
- UL, CE, RoHS approved

### Applications

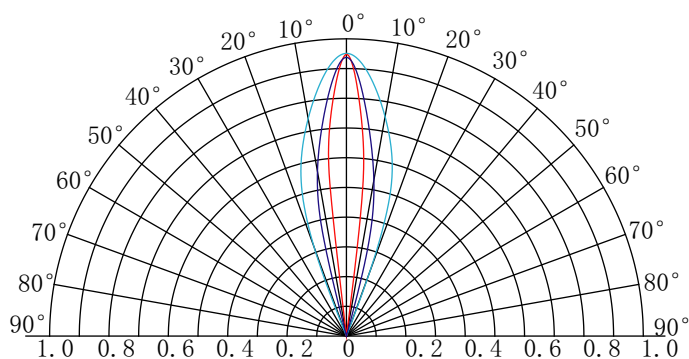
Best for 15-30cm depth double-sided light box or 8-20 cm depth single-sided light box at airports, metros, banks, buildings and shopping malls, etc

Model	DXS-3
CCT (K)	7000 K
Beaming angle	29*34°
CRI	≥ 75 Ra
Luminous flux	250 lm
Voltage	DC12
Power	2,5 W
Driving method	Inner CC
Dimension (mm)	74 x 20 x 9,8
Weight	12,5 g
Working temperature °C	-25 ~ +60°C
Storage temperature °C	-25 ~ +70°C
Protection grade	IP66

### Dimension



### Beaming angle



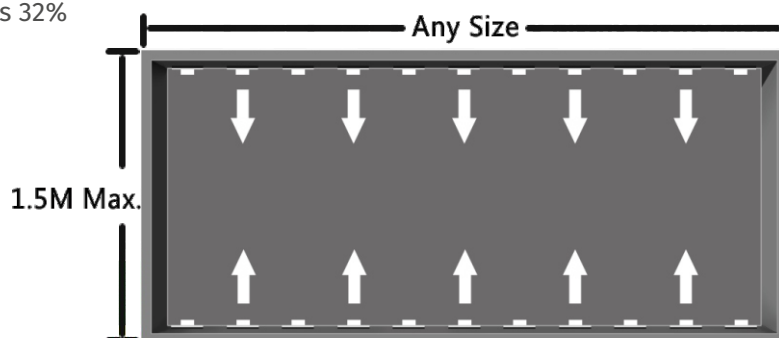
### Reference scheme

Depth (mm)	Size (mm)	Densityh (pcs/m <sup>2</sup> )	Illumination (lux)
120	1 000 x 1 000	22	650 - 700
150	1 000 x 1 000	22	600 - 650
180	1 000 x 1 000	22	500 - 600
200	1 000 x 1 000	22	500 - 550

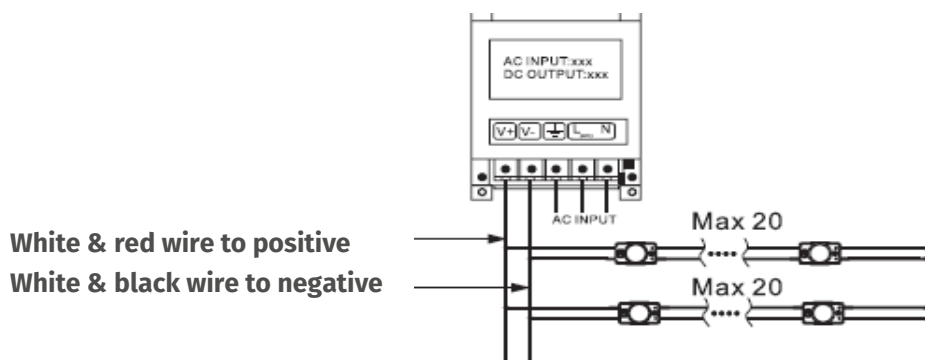
Remark:

The transmittance of the advertising fabric was 32%

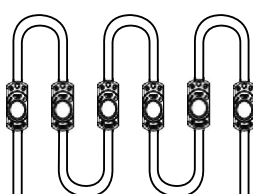
The above data id for reference only



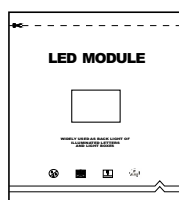
### Wire connection



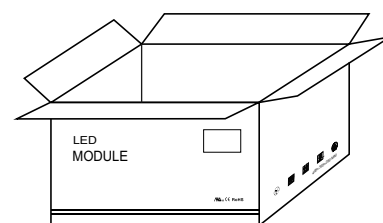
### Packing



15 pcs per string



90 pcs in an antistatic bag



900 pcs in a carton

### Packing specification - Antistatic bag adopted

Carton dimension	Bags per carton	Qty per carton	Net weight	Gross weight
490 x 450 x 220	10	900 pcs	11,3 kg (1±10%)	12,3 kg (1±10%)

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

## Instruction

- When installing the product, please switch off the power
- Please use constant voltage power supply and leave 20% or more balance of its total power
- Make isolation and corrosion prevention on all wiring points and wire ends
- The maximum series connection quantity for 511213 is 15 pcs, please do not exceed this number
- The products can be installed by screws, rivets as well as silicon gel, while please do not use acidic or alkaline adhesive
- The high power LEDs generates more heat so please install the products on the surface of materials with good heat dissipation such as metallic or aluminium panel
- For single side light box, in order to get better and even lighting effect, you can put the products more closer to unilluminated back and attach white reflective poly sheet or sheet with similar function on the inner back
- Initial location with 3M tape, then secure with screws

## Declaration

- Warranty: 5 years.
- In order to ensure the safety, the broken wires needs 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.



RoHS

## Troubleshooting

MALFUNCTIONS	POSSIBLE CAUSES	SOLUTIONS
All LEDs don't work	1. The power supply did not connect to power grid	Power on
	2. The electricity due to short-circuit of external power supply	Remove the malfunction caused by short-circuit, power on again
	3. The wires of module connect to power supply output reversely	Check the connecting and ensure the wires are connected correctly
Part of LEDs don't work	1. Part of power supplies do not have output	Check the power supply system
	2. Part of module wires have malfunction	
	3. Particular module connected reversely	Correct connection
Brightness of LEDs is weak or uneven	1. Overloaded power supply	Replace it with higher power supply
	2. The power loss of power circuit is huge or the power loss of each circuit existing big difference	Ensure working voltage of is within $\pm 5\%V$ of rated voltage 1. Shorten the length of wires between the first module and power supply or replaced with wires with bigger diameter; 2. Ensure the cascading qty of string is less than or equal to the allowed maximum cascading qty, and each module cascading qty is well-balanced
	3. Exceed in qty of modules in series	Lessen the cascading qty for module and ensure the qty for each electrical circuit is within the maximum cascading qty.
Brightness of LEDs is weak or uneven	1. Poor contacted in the joints	Find out and tackle malfunction immediately
	2. Failures in power supply	Replace power supply

## Declaration

- If the external flexible cable of light box is damaged, please replace it by its manufacturer or its service agent or qualified person to avoid a hazard.
- The specific installation and cautions please refer to the user manual.
- The given data in this specification is based on our standard product. There may be existed slight difference compared with actual products.
- All Illustrations in this specification are for reference only.
- This product is subject to change or modify without prior notice.
- DENCOP reserves the right of final explanation for this specification.