

Instruction of LED Modules

Brief Introduction

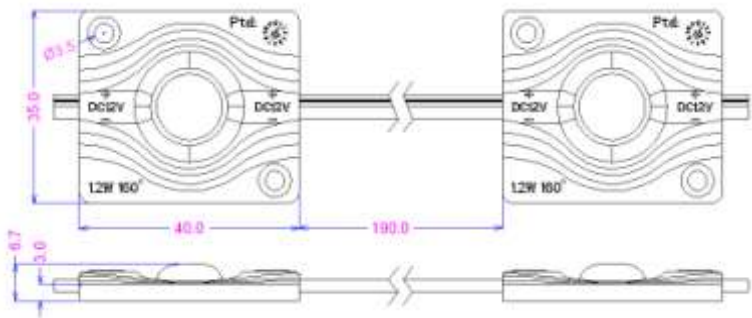


Electrical Parameters of IFW326B:

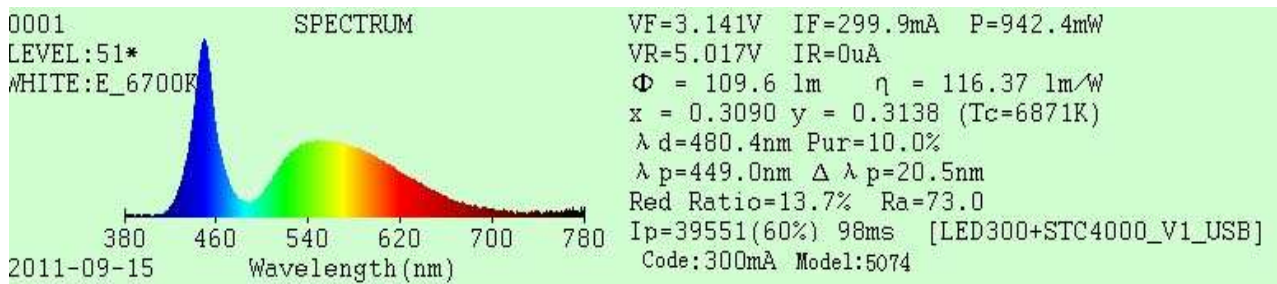
Model:	Beam Angle	LED color	Luminous Flux (lm)	Color Temperature (K)	Operating Voltage (V)	Rated Power (W)	Life (h)
IFW326B	160	Pure white	100lm	5500-6500K	DC12V	1.2W	30,000

Specification:

LED	pcs/string	IP	Size	Driver	Operating temperature
1pc	30pcs/string	IP67	35*40mm	constant current	-40℃ —— +60℃



Technical features



Advantages:

- 1) 5 years warranty.
- 2) Easy installation which shortens installing time, minimally 5 times reduced.
- 3) Increase the constant current driving that makes its front and end keep consistent current.
- 4) Super big aluminum base plate with good heat dissipation ensures LED's life span.
- 5) As novel project proposal, it makes difficult for competitors to imitate.
- 6) For same brightness, our LED costs less money, and with same cost, our LED illuminates brighter than other brands.

Application Range of IFW326B:

IFW326B is applicable for large light box, illuminative letters, and indoor illuminations. It is the best choice for substitute of fluorescent lamp and normal LED products in certain situations.

Installation:

Before Installation:

1. Before installation, please check whether its packing, model info, case number of the color temperature, quantity, appearance same as order.
2. In order to avoid damaging LED light from static electricity, please apply precautionary measures to prevent, such as Antistatic Wrist strap.
3. IFW326B applies constant current driver which uses LED special power supply (normal power supply is acceptable as well), and its total power loading rate shall be 80% less than the rated power rating.

4. We suggest the length of main power supply cable is $\leq 2\text{m}$. The sectional area of such cable conductor shall be decided as following table according to the total power loading rate and length of power supply cable:

RVV Main Cable Diameter	The Allowed Safe Loading Currents (A) of DC12V Power Supply			
	Within 1 meter	1 to 2 meters	2 to 5 meters	5 to 10 meters
0.5	3.5	2	<1	
0.75	5	3	1	0.8
1	6	4	2	1
1.5	8	6	3	1.5
2	10	8	4	2
2.5	12	10	5	3
4	20	16	8	5
6	30	24	12	7

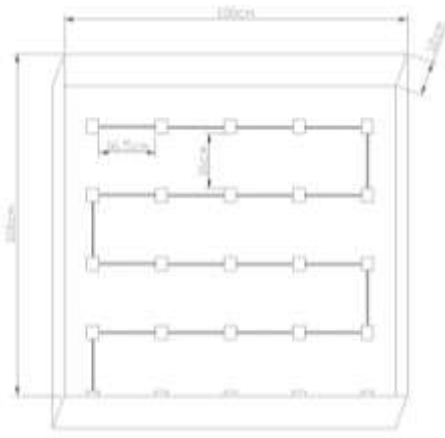
Take an example of 1sqm illuminative letters, install 25 pieces of IFW326B LED modules, the current of each piece is 100mA, the total current shall be 2.5A. However, in consideration of the diameters of cables on market not consistent, we suggest you buy 1mm² or 1.5mm² red & black cables.

During Installation:

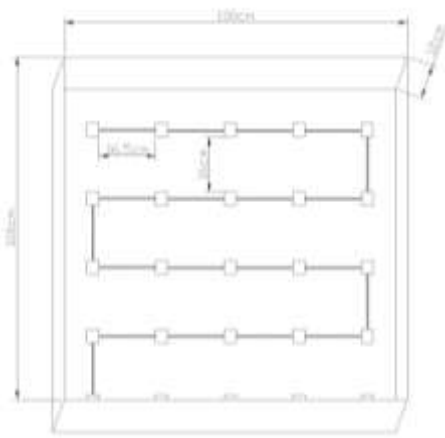
1. During transportation and installation, it is not allowed to press or squeeze, neither use anything hard or rough to stab LED surface nor pull its cables with force.
2. When using a single terminal power supply, each string shall be 30 pieces and cut off the extra cable on the other side to avoid short circuit. While using two terminal power supply, each string shall be within 50 pieces. It is required to use standard cable pincer, not to peel off cable skin by mouth or hand.
3. In consideration of vulcanization when LED is under acid environment, it is prohibited to use acidic glass cement, we recommend neuter glass cement.
4. Hot-line working is strictly forbidden.

Recommended Density (1sqm):

Light Box Thickness 12cm

	<p>Note:</p> <p>If install 5 pieces IFW326B vertically & horizontally, use 5mm thickness acrylic and internal is white color, the surface Luminous Flux shall be 1500 Lux.</p> <p>If install 6 pieces IFW326B vertically and horizontally, its surface Luminous Flux shall be 2300 Lux.</p>
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Light Box Thickness 15cm

	<p>Note:</p> <p>If install 5 pieces IFW326B vertically & horizontally, use 5mm thickness acrylic and internal is white color, the surface Luminous Flux shall be 1300 Lux.</p> <p>If install 4 pieces IFW326B vertically and horizontally, its surface Luminous Flux shall be 900 Lux.</p> <p>If install 6 pieces IFW326B vertically and horizontally, its surface Luminous Flux shall be 1800 Lux.</p>
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After Installation:

1. Cut all the extra cables.
2. Use hot-melt adhesive to fix the cable between modules to avoid cable cover LED light which affects using effect.

Packing:

1. Static bag size: 305*280mm; Small box Size: 35*25*23cm; Big box size: 52*37*26cm;
2. The quantity of each string shall be 30 pieces; each one static bag packs two strings; hence totally 60 pieces.
3. Each box put 1200 pieces.
4. The external box shall be “H” packing box.