

Серия

Полоска ARL-LB001D20W 5W xxx (50x7мм)

ATTENTION
PLEASE FOLLOW THE
INSTALLATION
INSTRUCTIONS
FOR THE
LED STRIP LIGHTS



Features

- Dimension: 50mm×7mm×1.8mm
- Single color.
- Emitting Color: White
- Easy installation with screws.
- Package: 100pcs/white box.
- High efficiency.
- Low power consumption.
- Long operating lifespan.
- High heat dissipation efficiency.
- RoHS compliant.

Description

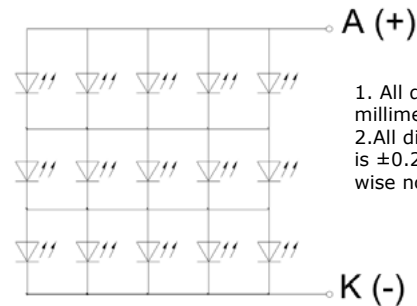
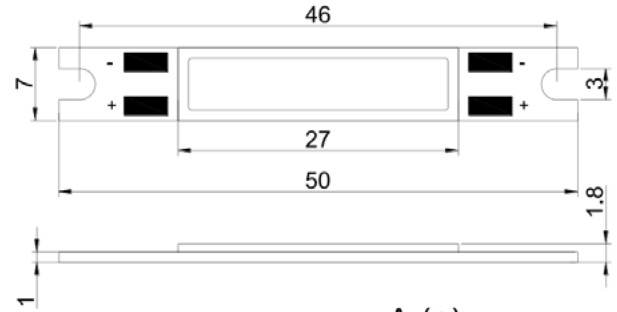
- The White source color devices are made with GaN on sapphire White Light Emitting Diode.

Application

- Reading Lamp.
- Street Lamp.
- LED Backlight.
- Energy Saving Lamp.
- Decorative and Entertainment Lighting.
- Indoor and Outdoor Commercial Lighting.



Package Dimensions



1. All dimension units are millimeters.
2. All dimension tolerance is ± 0.2 mm unless otherwise noted.

Absolute Maximum Rating at Ta=25°C

Parameter	Symbol	Rating	Units
Input Power	Pi	5.4	W
Maximum operating current	IF max	600	mA
Junction Temperature	Tj	115	°C
Operating Temperature Range	Topr	-20°C To +75°C	
Storage Temperature Range	T _{STG}	-40°C To +100°C	
Lead Soldering Temperature*	T _{SOL}	Max. 350°C for 5 sec Max.	

Note:

1. The temperature of Aluminum PCB do not exceed 75°C.
2. When hand soldering, keep the temperature of iron below less 350°C less than 5 seconds.

Optical Characteristics at Ta=25°C IF=500mA

CCT (K)	Ra	Min (lm)	Type (lm)	Max (lm)	LM/W min
3000	70	430	470	--	85
4000	70	450	490	--	90
5000	70	460	500	--	90
5700	70	480	520	--	95
6000/6500	70	480	520	--	95

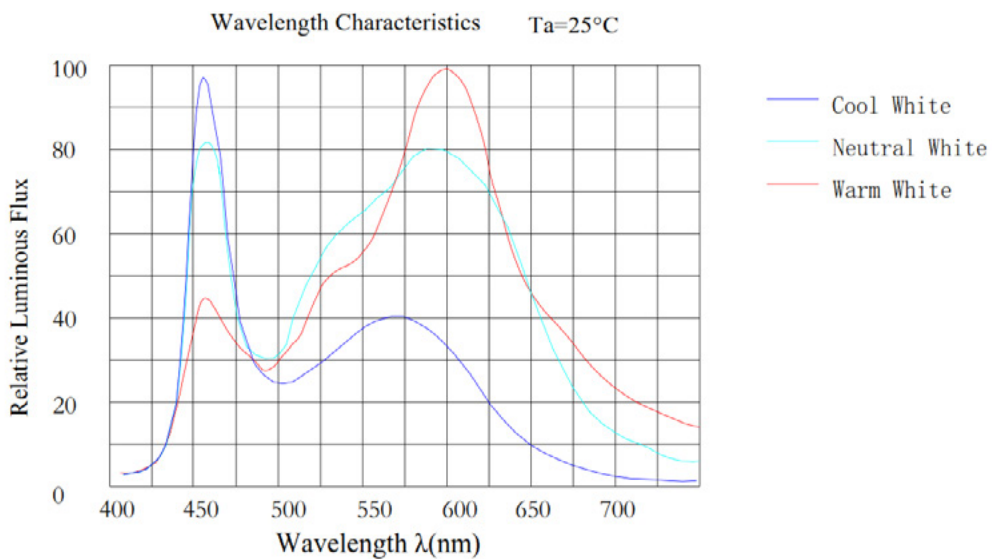
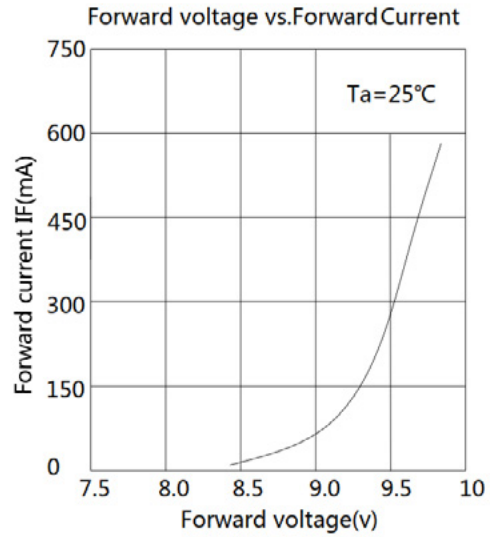
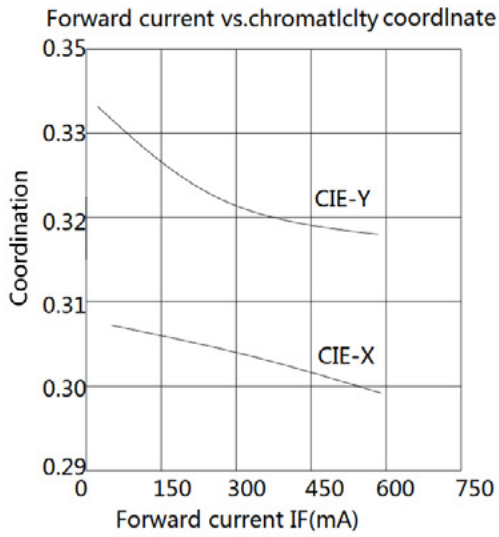
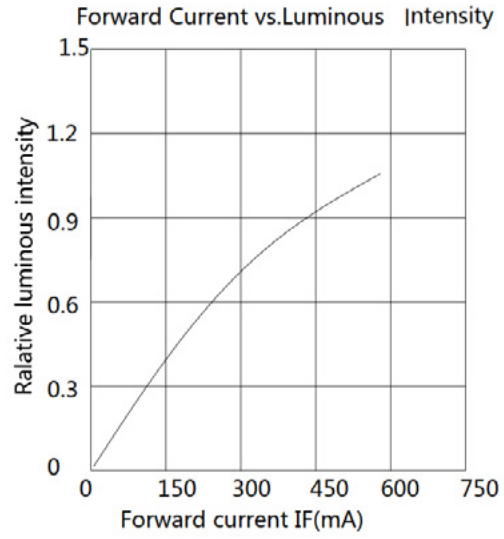
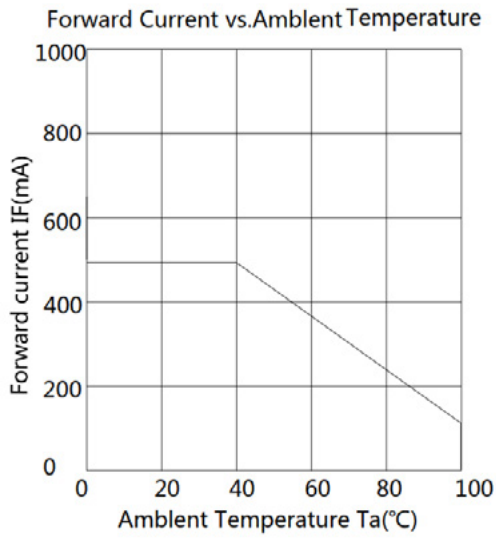
Note:

1. The tolerance of measurement at our tester is VF+/-3% , Φv +/-10% and Ra+/-2.
2. All high power LED products mounted on Aluminum substrate can be lighted directly, but we do not recommend lighting the high power products for more than 5 seconds without a appropriate heat dissipation equipment.

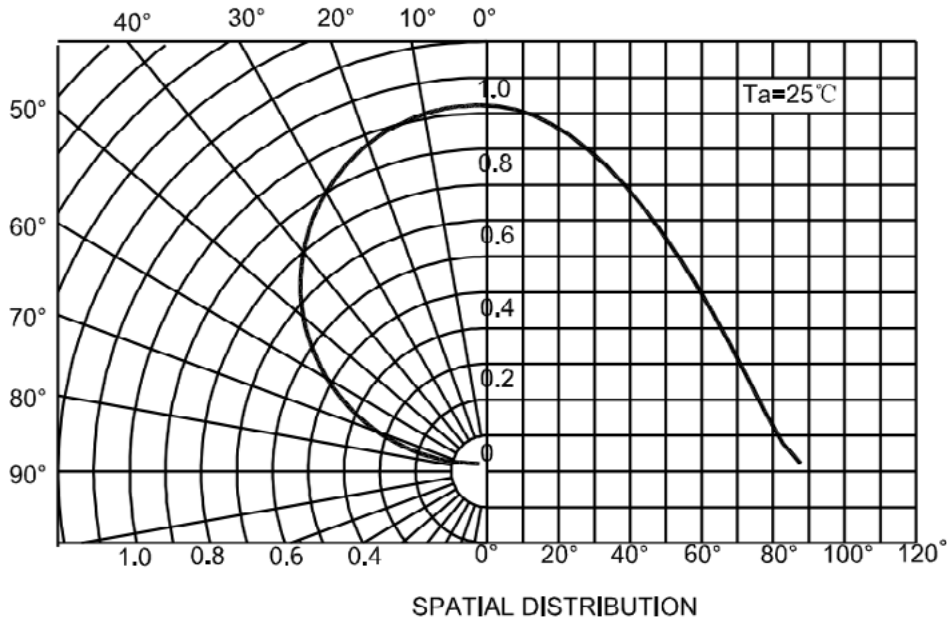
Optical Electrical /Thermal Characteristics at Ta=25° IF=500mA

IF (mA)	VF (V)			R (j-s) (°C/W)	Po (W)
	Min	Type	Max		
500	8.5	10	11.5	4	5

Typical Optical and Electrical Characteristics Curves

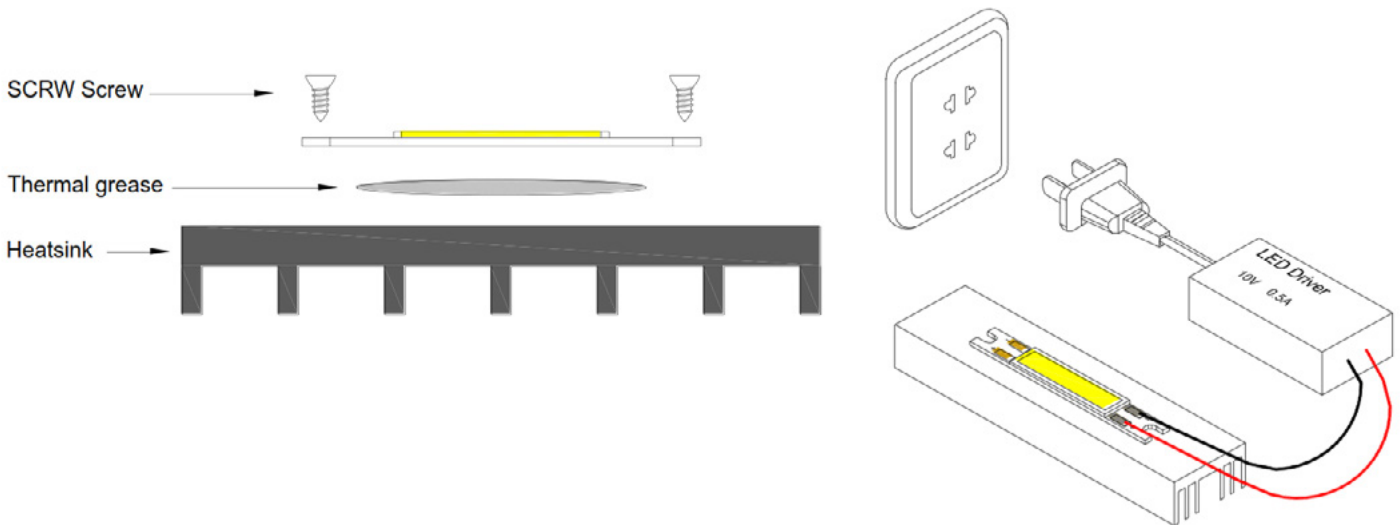


Spatial Distribution Graph



Product Thermal Application Information

When assembling on PCB or heatsink carrier, thermal grease should be evenly spreaded with a thickness <math>< 100\mu\text{m}</math>.



Tape Specifications (Units : mm)

