

9W Warm White Led Module WW9R49*7

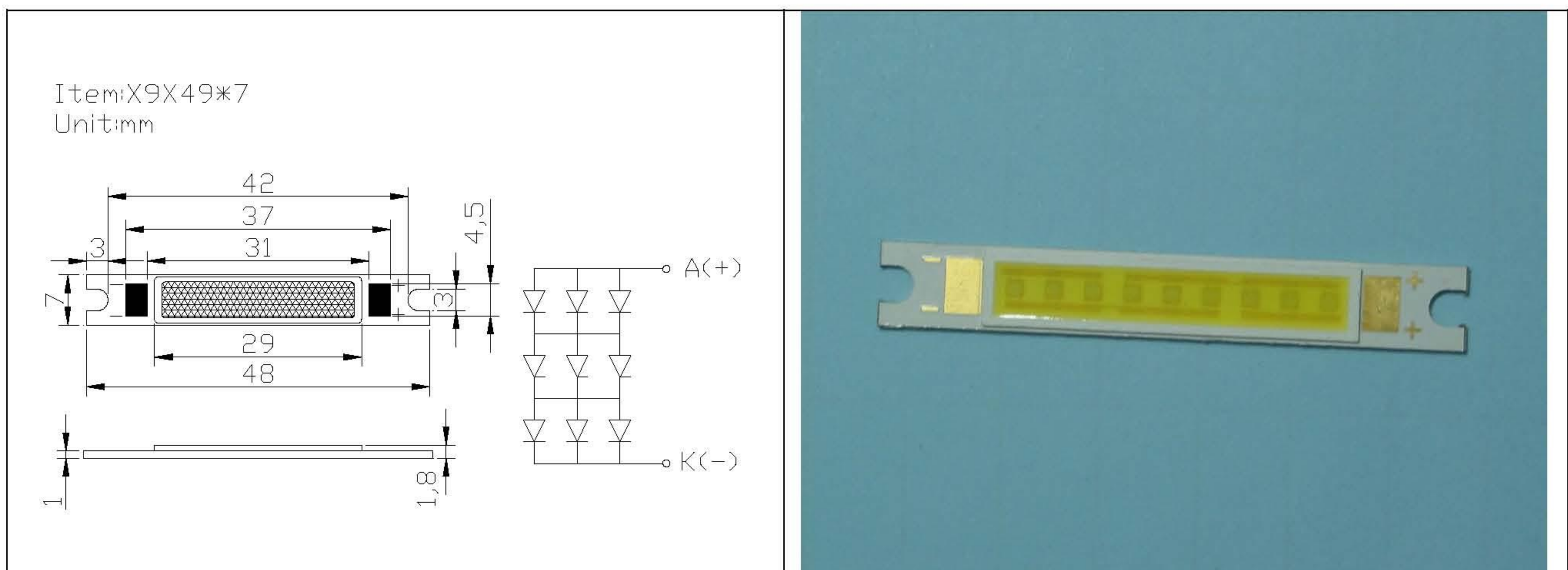
Features:

- Single Color.
- Illuminant Color : White.
- Emission angle: 120Deg.
- Linear Packaging Design.
- High Efficiency.
- Low Power Consumption.
- Long Operating Lifespan.
- Easy Installation with Screws.
- High Heat dissipation Efficiency.

Applications:

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

Package



Product Dimension

Notes:

1. All dimensions are measured in mm.
2. Tolerance: ± 0.2 .
3. The temperature of Aluminum PCB dose not exceed 55°C .

Absolute Maximum Rating at T_A=25°C

Absolute Maximum Rating For Product

Parameter	Symbol	Rating(White)	Unit
DC Forward current	IF	1050	mA
Peak pulse current	IFM	1500	mA
Reverse voltage	VR	5	V
ESD Sensitivity	VB	500	V
Power dissipation	PD	9	W
Junction temperature	Tj	125	°C
Operating temperature	Topr	-30~+100	°C
Storage temperature	Tstg	-40~+120	°C
Soldering temperature	Tsol	260	°C
Manual Soldering time at 260°C (Max)	--	5	sec

Electro-Optical Characteristics (T_a = 25°C)

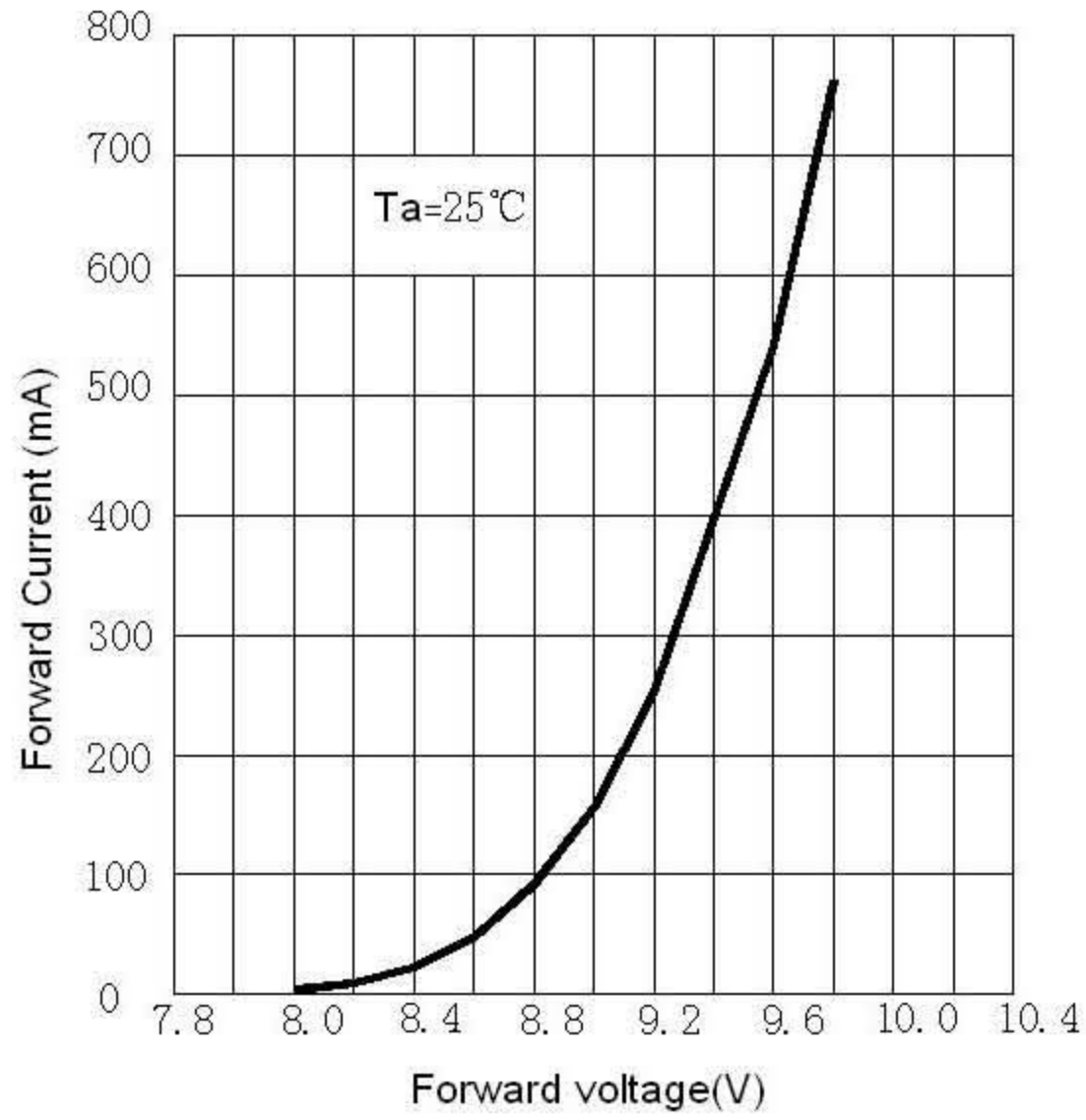
Parameter Radiant	Test Current	Symbol	Min	Typ.	Max	Unit
Color Temperature Characteristics	IF=1050mA	CCT	2500	3100	3500	K
Luminous Flux Characteristics	IF=1050mA	∅	410	440		LM
Emission Angle Characteristics	IF=1050mA	2θ 1/2		110		Deg
Electrical Characteristics	IF=1050mA	VF		10	12	V

Description

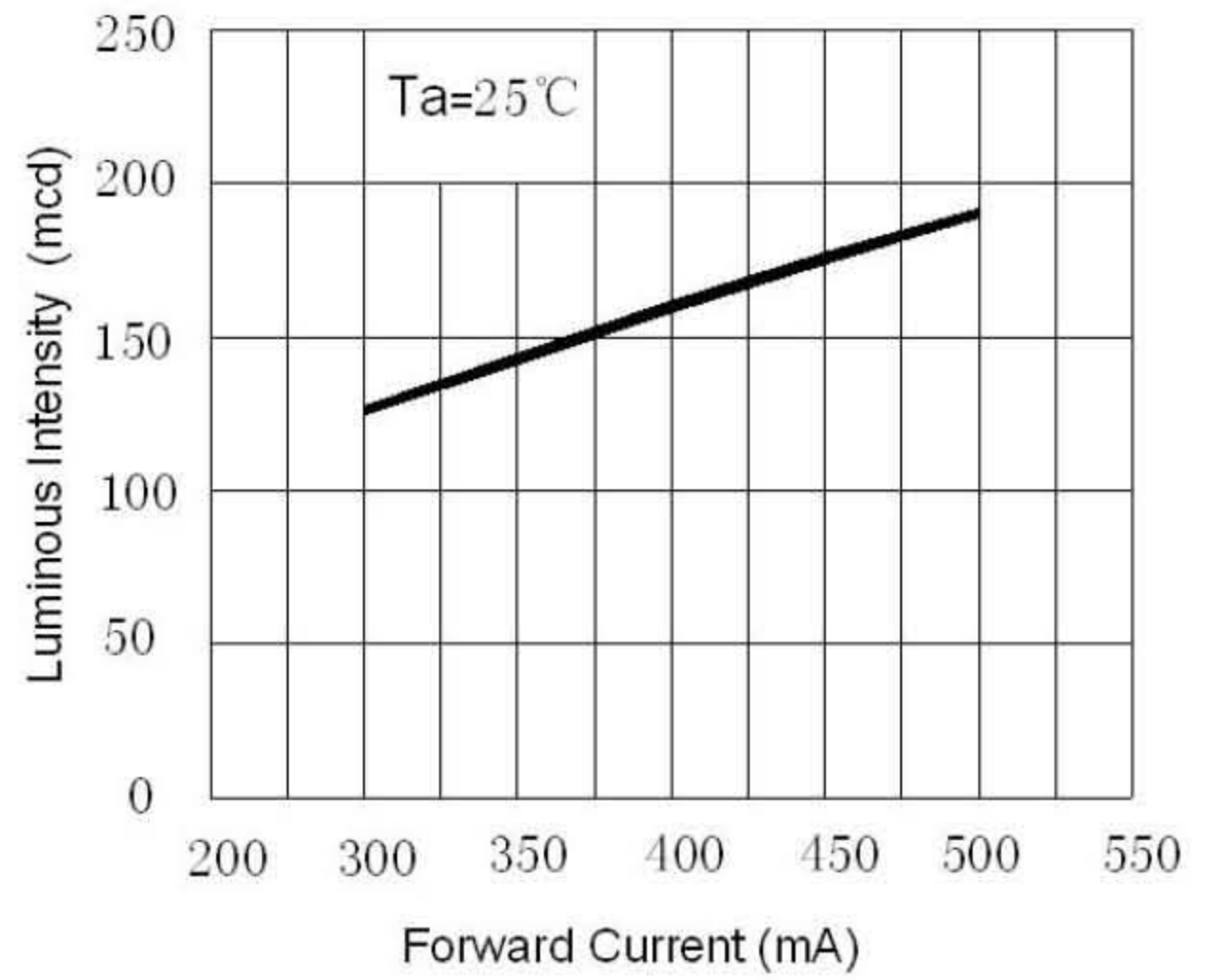
Dimension (L*W*H) mm	Chip		Colloid Type
	Emitter color	Material	
49*7*1.8	White	InGaN	Yellow Diffuse

Typical Electro-Optical Characteristics Curve:

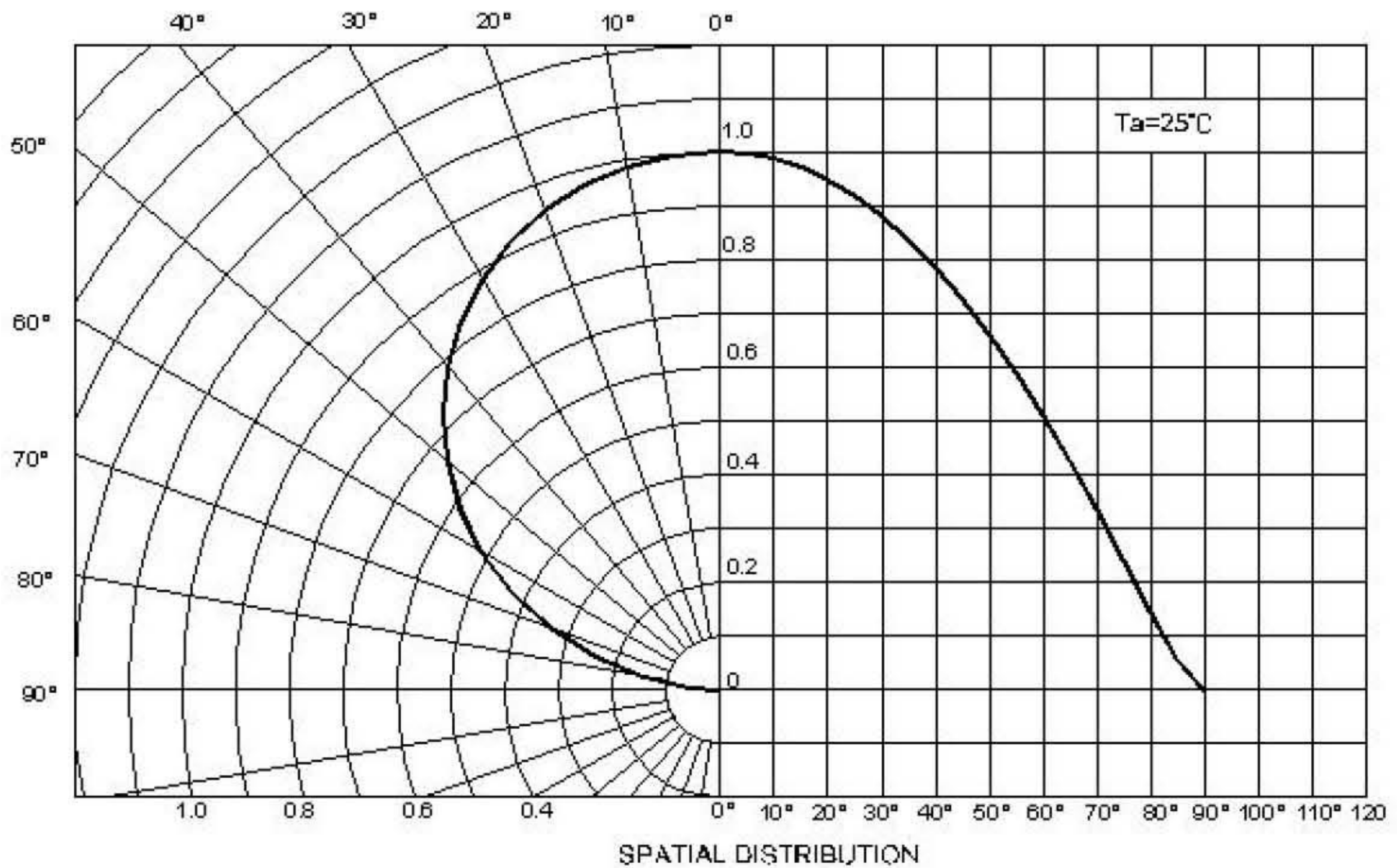
Forward Voltage vs Forward Current



Forward Current vs Luminous Intensity

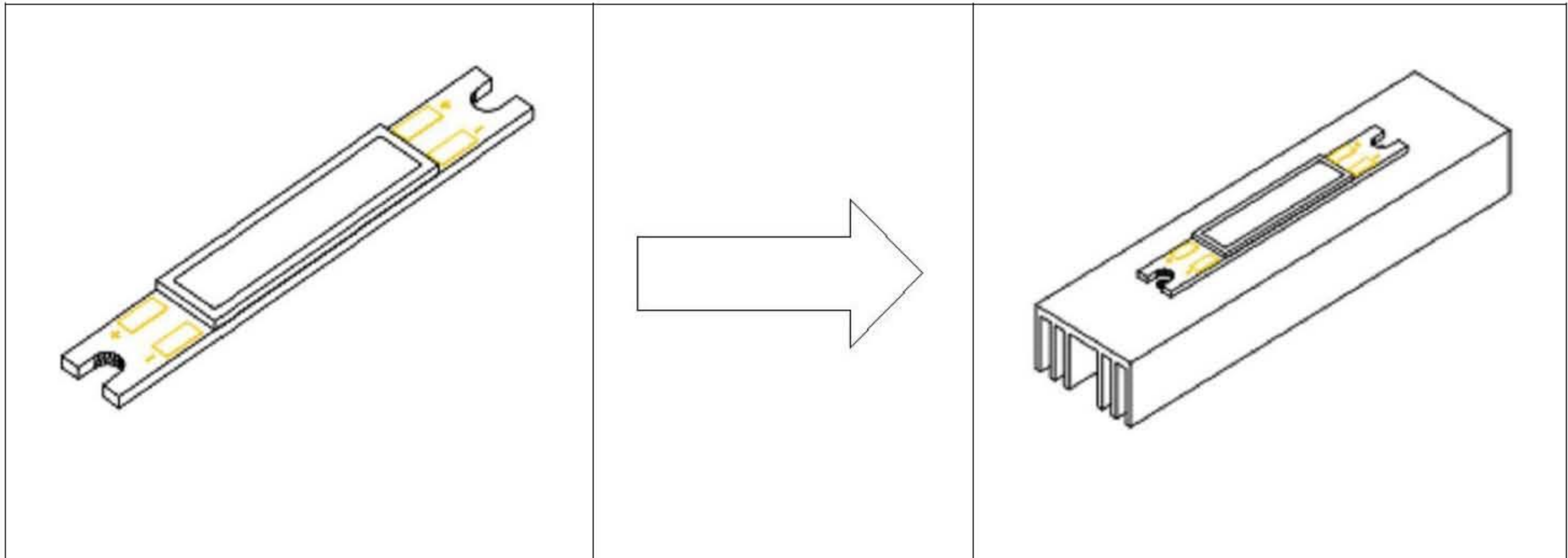


Spatial Distribution Graph



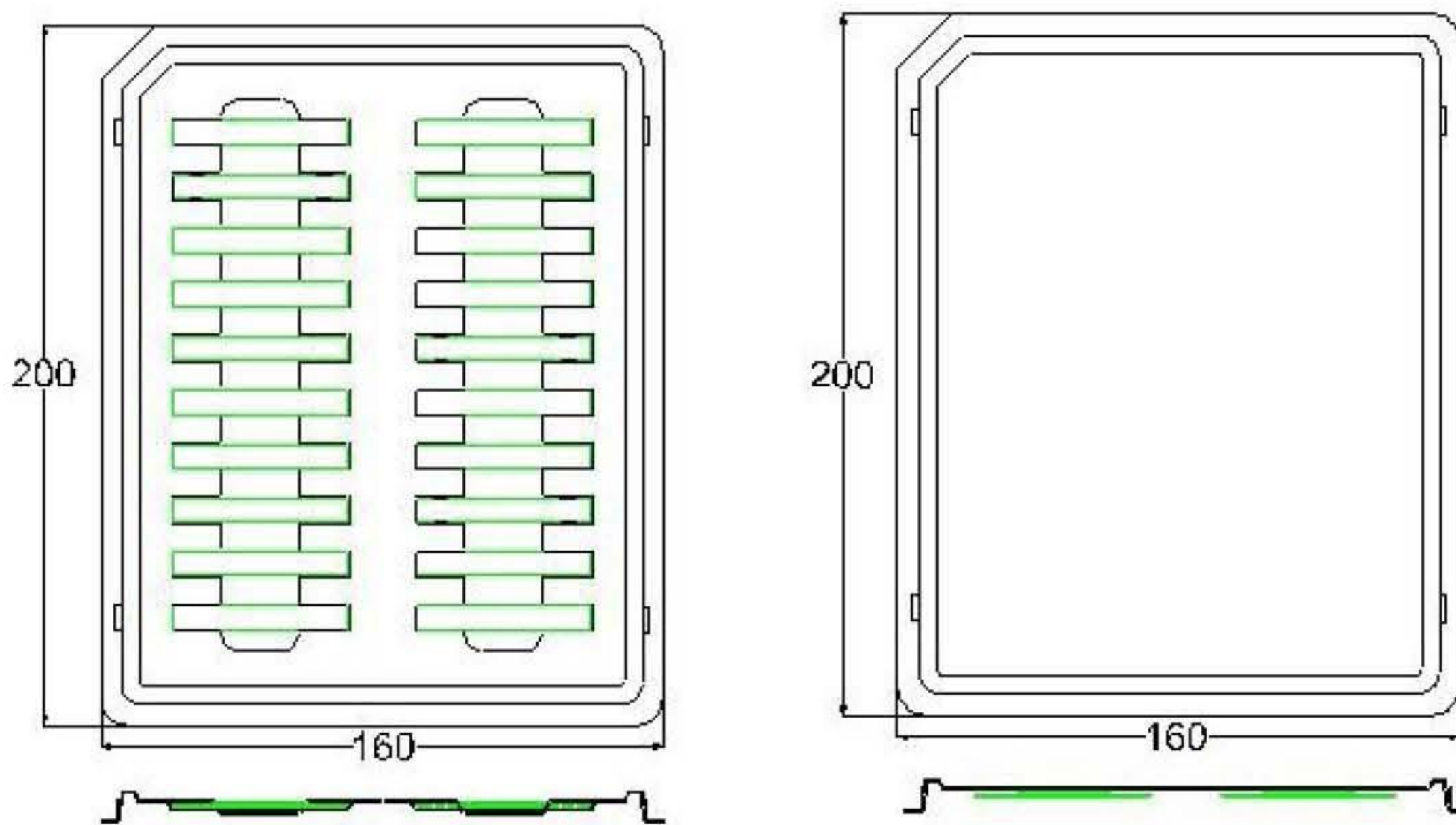
Product Thermal Application Information

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



Heatsink application

Product Packaging information (Unit:mm)



Tray Package dimensions

Note:

- 1. There are 20pcs emitters in a tray package.
- 2. Package storage condition will be limited temperature 20~30°C RH 40%~55%.