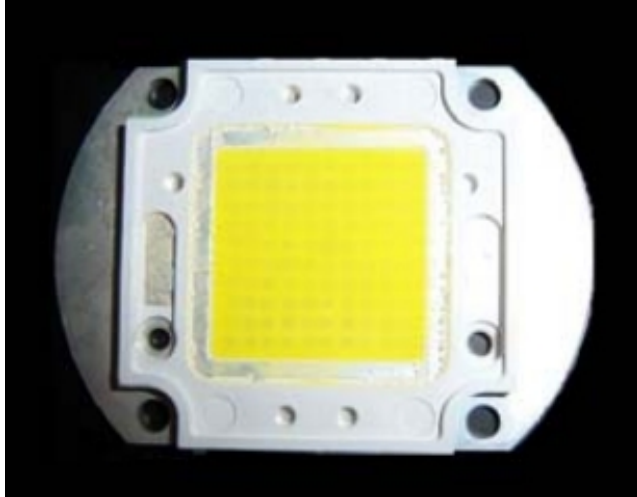


LED Source Specification

Reference Picture:



Feature:

High power, high luminous efficiency, long lifespan.

Application:

Street lamp; Industrial and mining lamp; Tunnel light; flood light; High mast lamp.

Material Parts:

Item	Description
Chip support	High heat resistant polymer
Potting gel	Silica gel
Heat sink	Copper
Electrode	Copper
Die bond	Epoxy
Chip(Brigdelux)	InGaN

The max parameters:

Item	Mark	Range	Unit
Working temperature	Topr	-30 ~ +70	(°C)
Store temperature	Tstg	-40 ~ +120	(°C)
Junction temperature	Tj	125	(°C)
Static voltage	ESD	500	(V)
Forward current	IF	350*X	(mA)
Pulse Forward Current(1/10 duty cycle @ 1KHz)	Ipulse	700*X	(mA)
Backward voltage	VR	5*Y	(V)
Manual welding time (260 °C)	Tmsol	5	(S)

Note:

X: The number of circuit in parallel; Y:The number of circuit in series

Optical Parameters (IF=350*X mA, TAmbient=25°C)

Model	CT	Domi Wavelength (nm) / CT(K)		Beam Angle 2θ1/2(degree)	Efficiency (lm/w)
		Max	Min		Typical Value
D04/WXXX	Cold white	4500	10000	130	90
D04/VXXX	Warm white	2800	4500	130	80

Note:

1. X: The number of circuit in parallel
2. The luminous flux measurement allows error: + / - 10%; Color temperature allowed error: plus or minus 5%
3. The beam angle (2θ1/2) refers to twice as the direction of half peak luminous intensity to the axial Angle o.
4. More higher luminous flux will be launched, please contact the sales staff.

Electrical characteristics (IF=350*X mA, TAmbient=25°C)

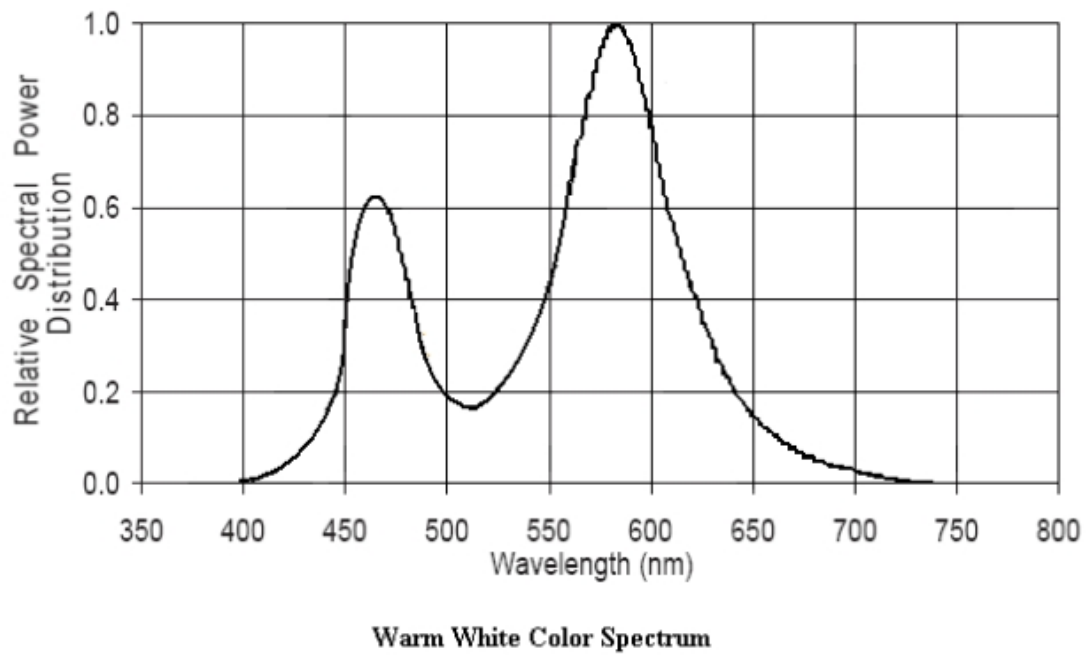
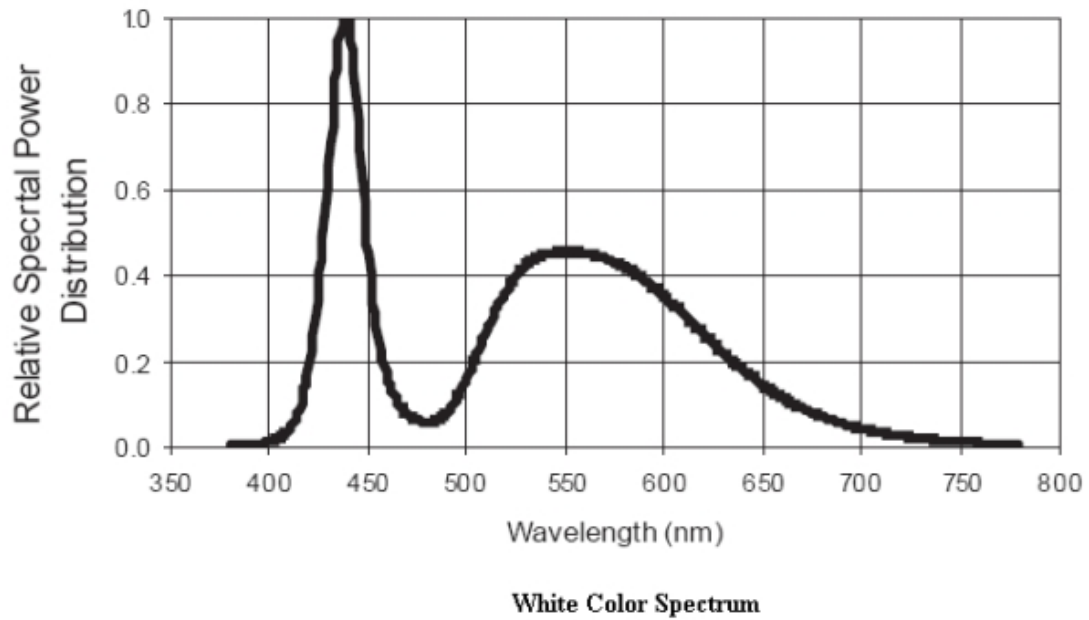
CT	Forward Voltage (V)			Dynamic Resistance(Ω)RD	Forward Voltage Temperature Coefficient (mV/°C) ΔVF/ΔTJ	Heat Resistanc (°C/W)RVJ-C
	Min	Typical	Max			
Cold white	2.7*Y	-----	3.8*Y	Y/X	-2Y	0.6
Warm white	2.7*Y	-----	3.8*Y	Y/X	-2Y	0.6

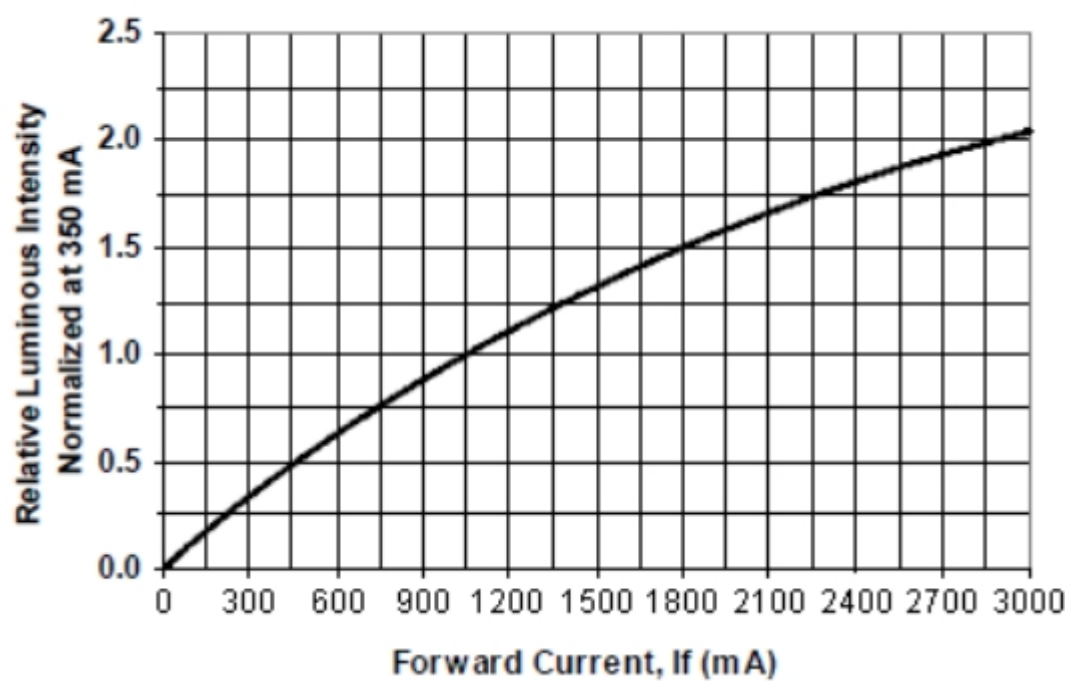
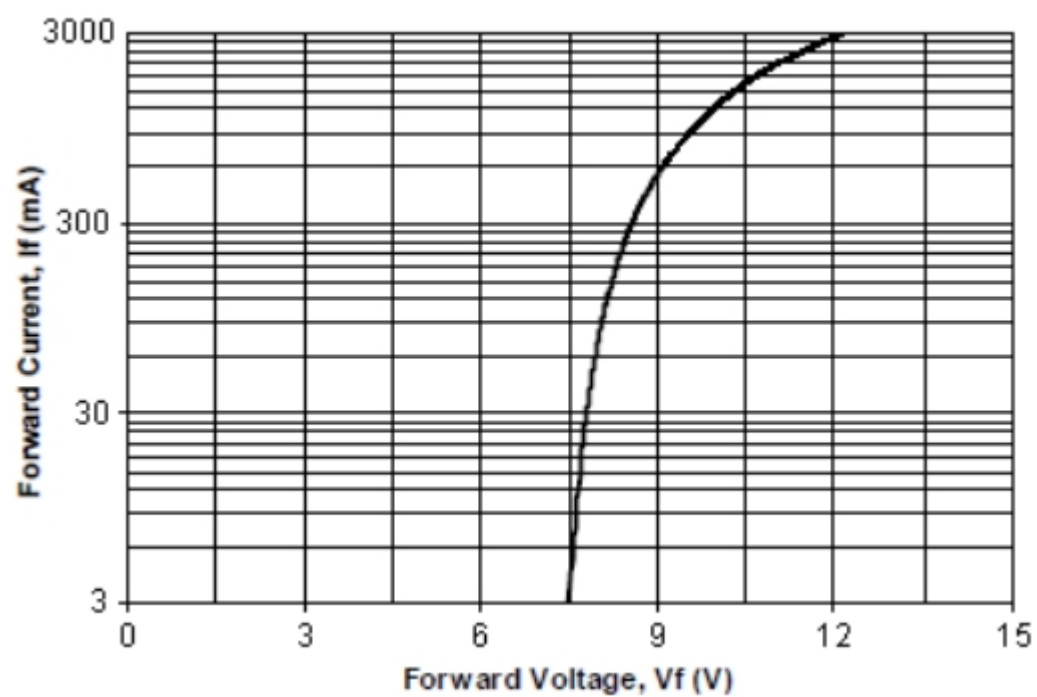
Note:

1. X: The number of circuit in parallel, Y: The number of circuit serial number.
2. Voltage permissible error: + / - 0.1 V.

3. The dynamic resistance is refers to reciprocal of V - I Curve of the linear region slope.
4. The thermal resistance is the value of 50w rated power.

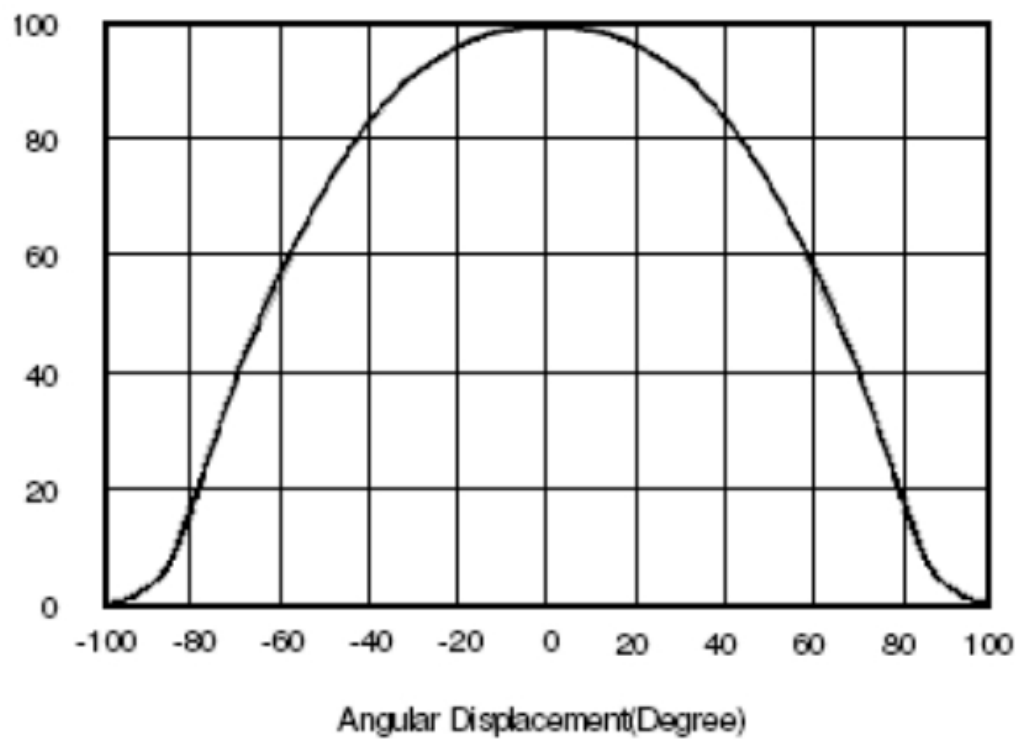
Typical photoelectric characteristic curve:



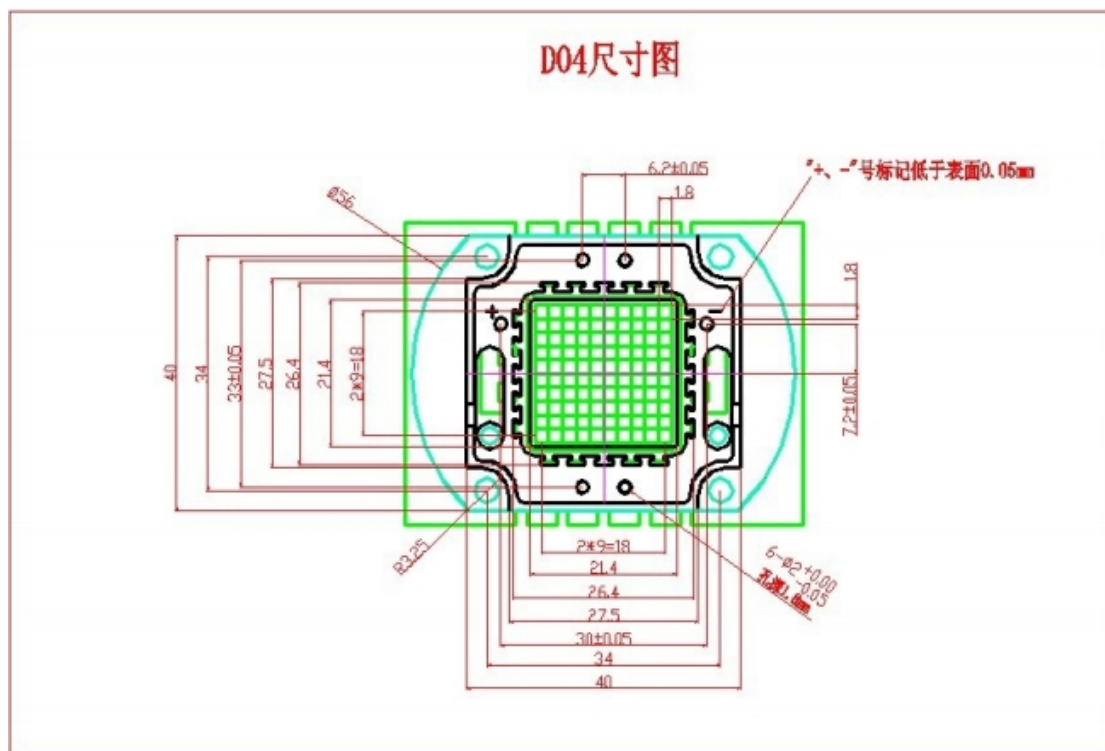


Typical light intensity distribution:

Lambertian



Dimension:



Note: 1. Unit (mm) , 2. Dimensional tolerance: $\pm 0.3\text{mm}$