

Snowdragon Industrial Co.,Ltd

DATA SHEET

MODEL No : **SD L315WCF-0-HD-C**

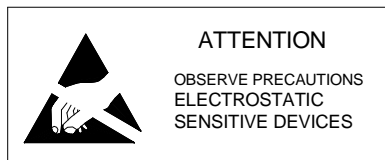
ENG. No: **09091503**

Description:

- 3mm
- Lens Color: Water Clear
- Emitting Color: white
- Viewing Angle :30°
- No Stopper

Dice Material: InGaN

PREPARED BY	CHECKED BY	APPROVED BY
CUSTOMER APPROVED SIGNATURES		

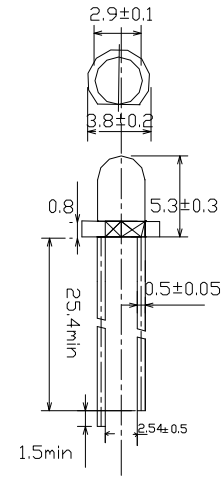


Application

Drawing

Absolute Maximum Ratings at Ta = 25°C

Items	Symbol	Absolute maximum Rating	Unit
Forward Current	I_F	25	mA
Peak Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	100	mW
Operation Temperature	T_{opr}	-20 ~ +75	°C
Storage Temperature	T_{stg}	-30 ~ +80	°C
Lead Soldering Temperature	T_{sol}	Max.260°C for 3 sec Max. (3mm from the base of the epoxy bulb)	



说明:

- 1.除非有其它说明，所有尺寸公差为±0.25mm
- 2.胶体沿支架延伸不可超过 1.5mm
- 3.多胶不超过 0.5mm

产品型号: .	SDL315WCF-0-HD-C
工程编号:	09091503

*pulse width <=0.1msec duty <=1/10

Typical Electrical & Optical Characteristics (Ta = 25°C)

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F = 20mA	2.8	3.2	3.6	V
Reverse Current	I _R	V _R = 5V	---	---	10	μA
Wavelength	CCT	I _F = 20mA	---	7800	---	nm
Luminous Intensity	I _V	I _F = 20mA	---	5000	---	mcd
50% Power Angle	2θ _{1/2} H-H	I _F = 20mA	---	30	---	deg
	2θ _{1/2} V-V	I _F = 20mA	---	---	---	deg

Rank	Luminous Intensity(mcd)	Rank	Luminous Intensity(mcd)	Rank	Luminous Intensity(mcd)
/	/	/	/	/	/

Important Notes:

- 1) All ranks will be included per delivery, rank ratio will be determined by snowdragon
- 2) Tolerance of measurement of luminous intensity is ±15%.
- 3) Tolerance of measurement of dominant wavelength is ±1nm.
- 4) Tolerance of measurement of Vf is ±0.05 V.
- 5) Packaging methods are available for selection, please refer to PACKAGING STANDARD.
- 6) Please refer to LED LAMP RELIABILITY TEST STANDARD for reliability test conditions.

Typical Optical-Electronic Characteristic Curves

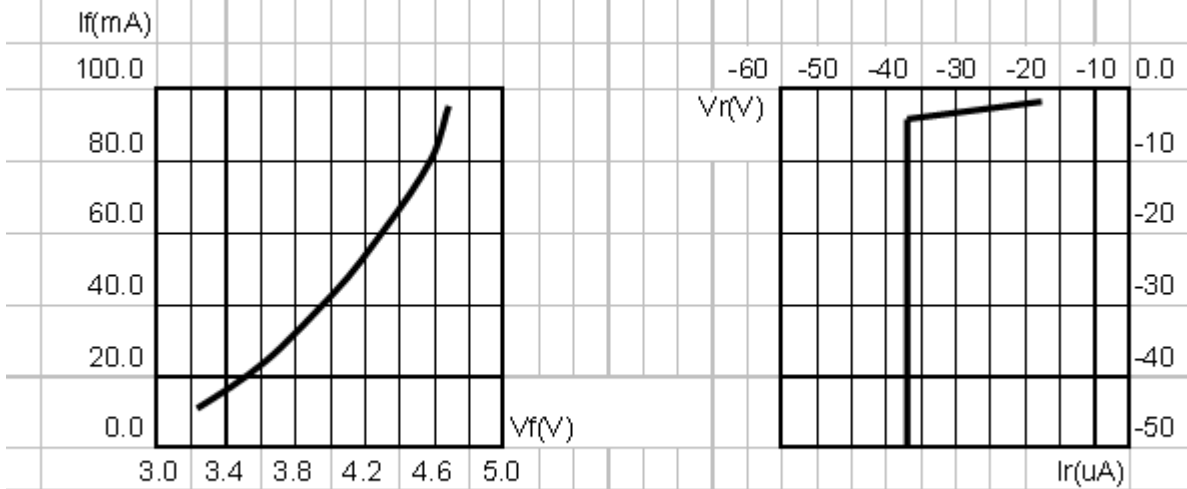


Fig.1 FORWARD CURRENT VS. FORWARD VOLTAGE.

Fig.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

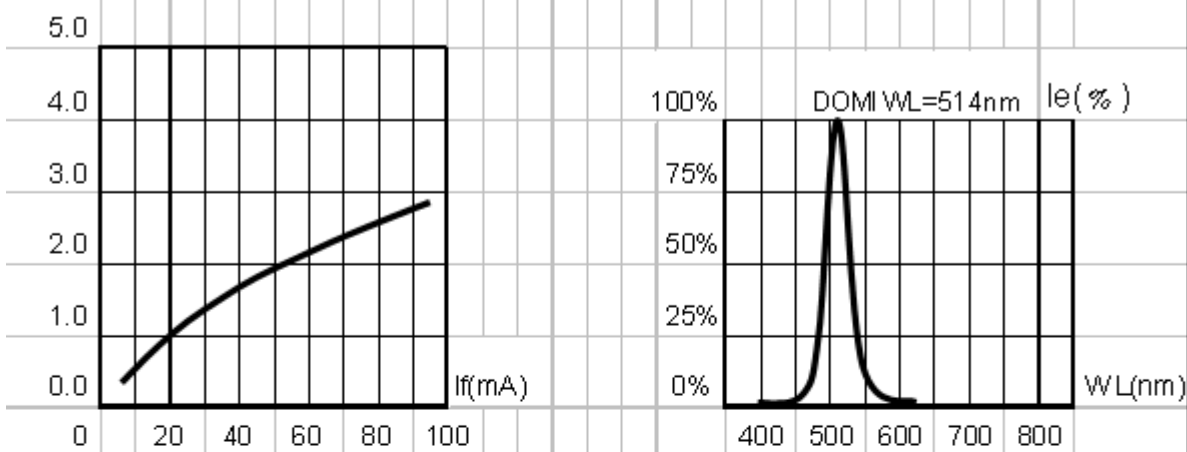


Fig.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT.

Fig.4 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH.

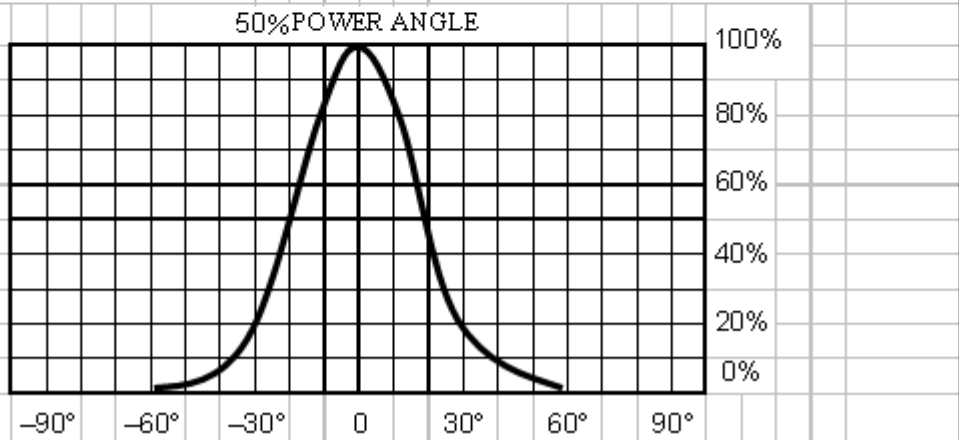


Fig.5 FAR FIELD PATTERN