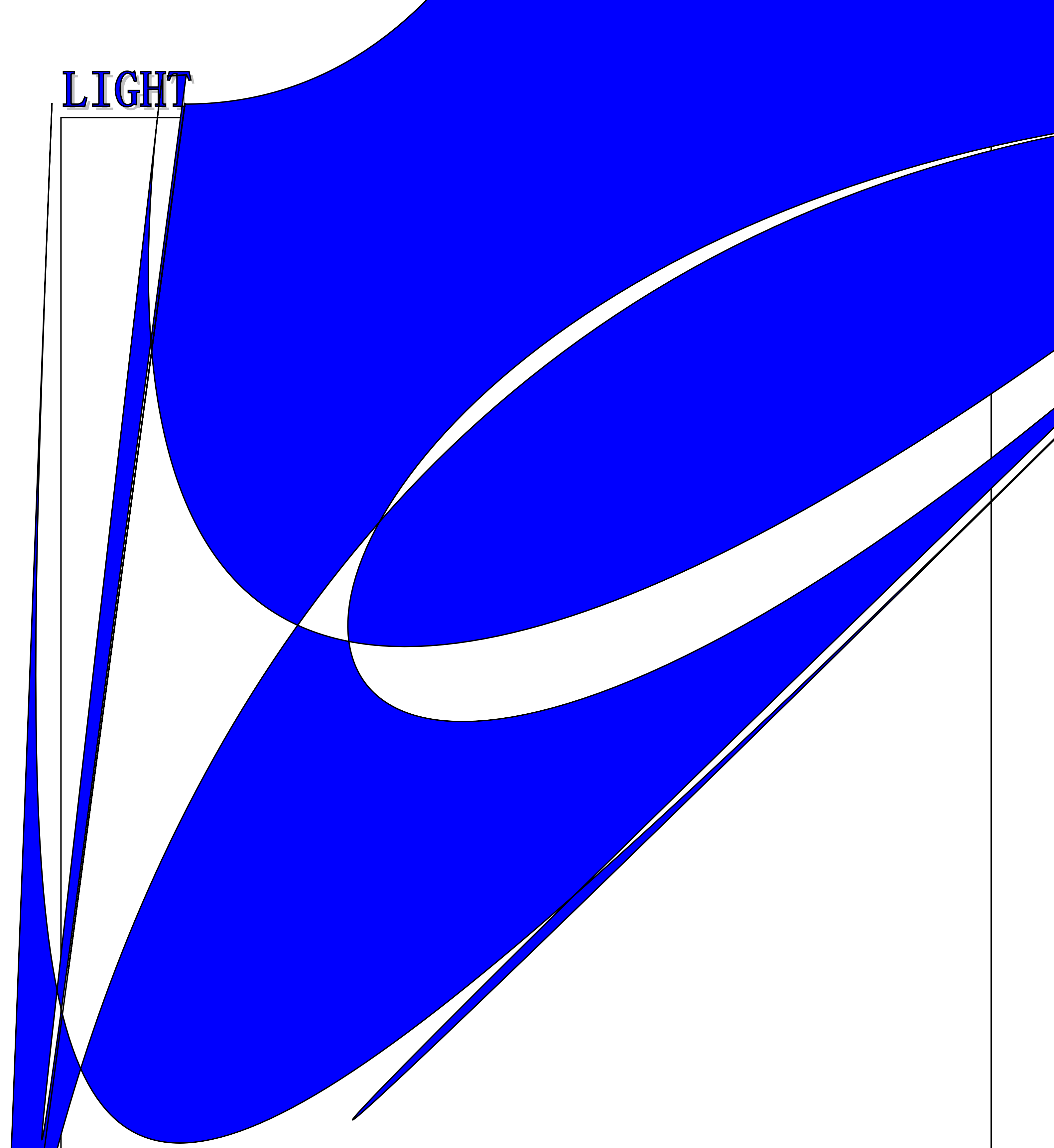


Electrical Optical Characteristics at Ta=25℃

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiant Intensity	Ie	2.2	3.0	4.4	mW/sr	I_F=20mA (Note 1,3)
Viewing Angle	$_{1/2}$	---	130	---	Deg.	(Note 2)
Peak Wavelength		---	940	---	nm	I_F=20mA
Spectral Line Half- Width		---	50	---	nm	I_F=20mA
Forward Voltage	V_F	---	1.25	1.60	V	I_F=50mA
Reverse Current	I_R	---	---	100	μA	V_R=5V

Note:

1. Point sources of the amount of radiation per unit time in a given direction within the unit solid Angle radiated energy.
2. $_{1/2}$ is the off-axis angle at which the Radiant Intensity is half the axial Radiant Intensity.
3. The Ie guarantee should be added ±15% tolerance.

Infrared Emitting Diode Specification

●**Commodity: Infrared emitting diode**

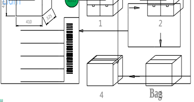
●**Intensity Bin Limits (At 20mA)**

BIN CODE	Min. (mW/sr)	Max. (mW/sr)
18	2.2	2.6
19	2.6	3.1
20	3.1	3.7
21	3.7	4.4

NOTE: The Ie guarantee should be added ±15% tolerance.

LED MOUNTING METHOD

1. The lead pitch of the LED must match the pitch of the mounting holes on the PCB during component placement. Lead-forming may be required to insure the lead pitch matches the hole pitch. Refer to the figure below for proper lead forming procedures (Fig.1).


200
310
195
1
2
3
LIGHT
425
410
325
RoHS
1
2
4
Bag