

Data Sheet

G4-G9 LED Bulb

iLED



Table of Contents

General Informations:	3
Electrical and Flux Characteristics:.....	4
Color Wavelength Diagram:	5
Mechanical Dimensions:	6

General Informations:

Features:

- High intensity
- Reliable and rugged
- Low current requirement

Application :

- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Foyers, offices

Electrical and Flux Characteristics:

Table 1: Flux Characteristics

Code	Diameter(mm)	Case	Color	Wavelength	Angle
G4-1,8W	10mm	G4	Warm White	3000K	300°
G9-1,6W	15,8mm	G9	Warm White	3000K	300°

Notes for Table 1:

1. İlker Elektronik maintains a $\pm 10\%$ tolerance on flux measurements.
2. Center beam candle power is a calculated value based on Lambertian radiation pattern at nominal test current.

Table 2: Electrical Characteristics

Code	Starting Time	Typical Forward Current (mA)	Input Voltage (Volts)	Power (W)	Equivalent Power (W)	CRI	Lumen Output
G4-1,8W	0,5s	200mA	12 VDC	1,8W	15W	80	300 lm
G9-1,6W	0,5s	7mA	220 VAC	1,6W	10W	80	200 lm

Notes for Table 2:

1. İlker Elektronik maintains a $\pm 10\%$ tolerance on Current values.
2. Typical stabilized DC performance values are provided as reference only and are not a guarantee of performance.

Absolute Maximum Ratings

Table 3: Maximum Ratings

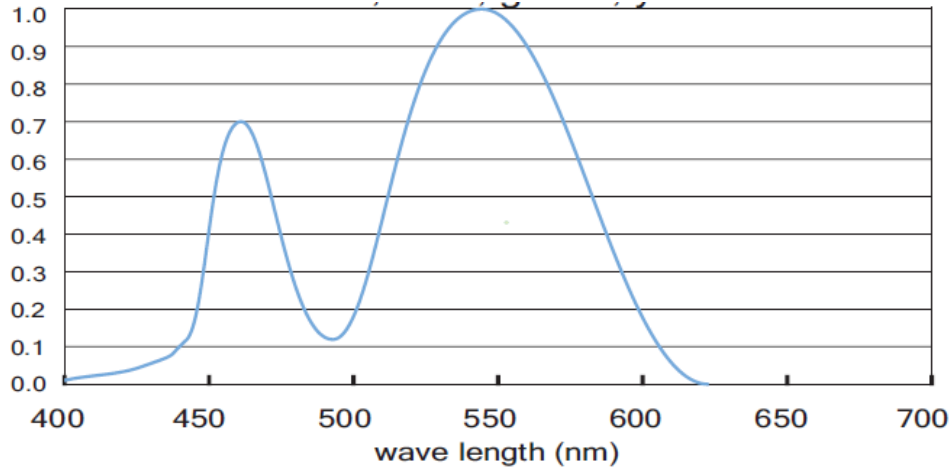
Parameter	Maximum Performance
Storage Temperature Range	-40 ~ +100° C
Operating Temperature Range	-25 ~ +85° C
Mounting Surface Temperature	60° C
LED Junction Temperature ¹	125° C
Electrostatic Discharge Classification (JEDEC-JESD22-A114F)	Class 1C
UL Recognition	UL recognized

Notes for Table 3:

1. Proper current de-rating must be observed to maintain junction temperature below the maximum.
- 2 LEDs are not designed to be driven in reverse bias.
3. At maximum reverse current of 10 μ A/LED.

Color Wavelength Diagram:

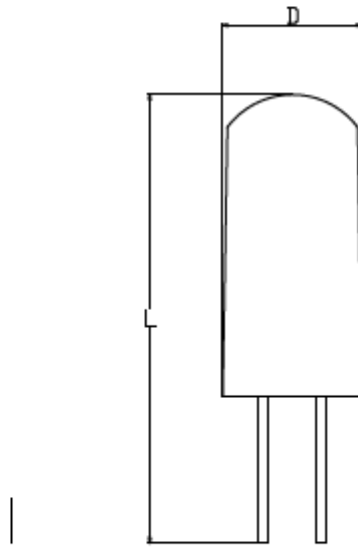
LED Color Spectrum for White (80 CRI) :



**DO NOT LOOK DIRECTLY
AT LED WITH UNSHIELDED
EYES OR DAMAGE TO
RETINA MAY OCCUR.**

Mechanical Dimensions:**Technical Drawing:****G4**

Overall length	37.4 mm
Diameter	10.0 mm
Net weight per piece	2.0 g
Length	37.4 mm



G9

Overall length	45.4 mm
Diameter	15.8 mm
Net weight per piece	3.0 g
Length	45.4 mm

