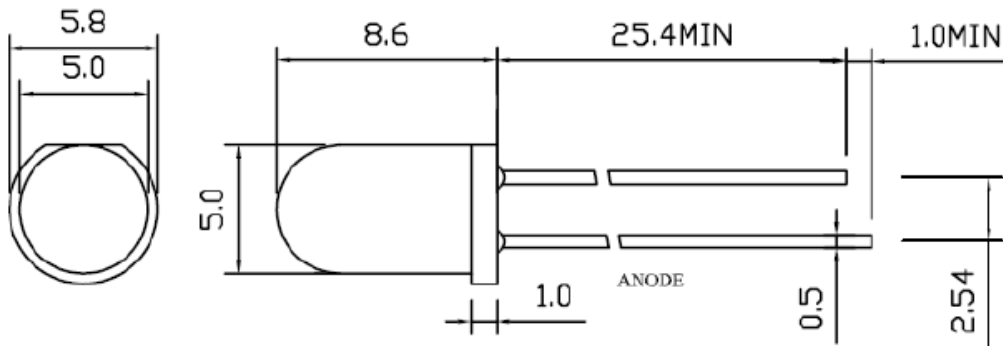


## 5mm Blue Through Hole LED

Now in one of the most popular sizes, 5mm round dip blue led. We use and have only the highest quality leds out there.

### Package Dimensions



Unit: (mm)

Tolerance:  $\pm 0.25$ mm



■ Absolute Maximum Ratings at Ta=25°C:

Parameter	Symbol	Maximum	Unit
Power Dissipation	Pd	100	mW
Peak Forward Current (Duty 1/10 @1KHz)	IFP	120	mA
Forward Current	IF	30	mA
Reverse Voltage	VR	5	V
Electrostatic Discharge(HBM)	ESD	6000	V
Operating Temperature Range	Topr	-25°C to +80°C	
Storage Temperature Range	Tstg	-40°C to + 100°C	
Lead Soldering Temperature [2.0mm from body]	Tsol	Reflow Soldering : 260 °C for 10 sec. Hand Soldering : 350 °C for 3 sec.	

■ Electrical/Optical Characteristics at Ta=25°C:

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	IF=20mA	400	800	—	mcd
Dominant Wavelength	λd	IF=20mA	460	—	475	nm
Viewing Angle	2 θ 1/2	IF=20mA	—	30	—	deg
Forward Voltage	VF	IF=20mA	2.8	—	3.6	V
Reverse Current	IR	VR=5V	—	—	10	uA

**Notes:**

- 1.Tolerance of Luminous Intensity ± 10%
- 2.Tolerance of Forward Voltage ±0.1V

**5mm Blue Through Hole LED Characteristics**

Low energy consumption

High reliability

Low current requirement

Fast switching

No UV/IR radiation

Easy installation  
without stopper  
variety of lens colors  
variety of viewing angles

## PRODUCTION PROCESS



Die Bond



Wire Solder



Compression Moulding



Taping



Spectrometer



Slicing

### 5mm Blue Through Hole LED Applications

Status light  
Light guide design  
Commercial advertising  
Decorative lighting  
Interior and exterior lighting  
Outdoor LED panels  
Instrumentation and front panel indicator  
Traffic signal light  
Electronic and communication appliance  
Toys

# APPLICATIONS

## APPLICATION SCENARIOS:

Power indicator、Auto lamp、The traffic light、LED、Decorative lights  
High-End Electronic Products、Household Electrical Appliances、Power converter、  
Private Custom



# RELATED PRODUCTS



AL-L031SRC-L1-M



AL-L032UBD-LP-M



AL-L051DRVGC-L0CR-M



AL-L051RGBC-LPAR-M



AL-L051SRC-L1-M



AL-L052SRD-LP-M



AL-L052TGD-L1-M



AL-L234SRC-LP-M



AL-L234SRD-LP-M

## WHY CHOOSE US



Customized design is available, OEM and ODM are welcomed.



We have best production capability, best quality control, best service.



Reply your inquiry in 24 working hours.



Customized design is available, OEM and ODM are welcomed

## CERTIFICATION



## ABOUT US

Dongguan Zhiding Electronics Technology Co., LTD is a high-tech enterprise specialized in manufacturing, designing and selling high quality LED lighting and LED related products. Zhaoqing Factory has more than 1000 employees, including more than 80 technicians focused on research and development.

We have advanced testing equipment, can be "normal temperature continuous light life test", "high temperature and high humidity cycle test", "cold and hot shock cycle test" and "high and low temperature storage test", "high and low temperature continuous light test", "salt spray test" and reliability test, for all kinds of product reliability test of periodic on a regular basis, provides the high quality for our product quality assurance.



## COOPERATIVE CLIENT

**F&C**<sup>®</sup>

**SUGA**<sup>®</sup>

**OPT**<sup>®</sup>  
Machine Vision

**USI**<sup>®</sup>  
Realizing IDEAS Together

**mega**  
cell<sup>line</sup>

**UCHI**

**BlueSky**

**TOPBAND**

**BiROD**

**vtech**<sup>®</sup>

## Shipping:

We ship worldwide by EMS, DHL, UPS, FedEx, TNT and other express you prefer. Normally item will arrive within 3-7 working days after being posted. If you want to choose other delivery express, please contact us when you place order, and we not responsible for any custom duty and import tariff.

## SHIPPING

**FedEx**  
Express

**EMS**  
全球邮政特快专递  
WORLDWIDE EXPRESS MAIL SERVICE

**ups**

**DHL**  
EXPRESS

**FAQ:**

Q1. What is the MOQ(Minimum Order Quantity)?

A4. For new customers, they can place a trial order to test the product's quality and then sales in their markets.

Q2. Can you provide customization and OEM service?

A2. Yes, we offer customization and OEM service, please tell us your requirements clearly.

Q3. Will you deliver the right goods as ordered? How can I trust you?

A3. Yes, we will. The core of our company culture is honesty and credit. We warmly welcome customer or his agent or his 3rd party come to our factory for detail checking. We protect customer's design, sales area competition, ideas of design and all of your private information.

Q4. Can you deliver in sufficient quantities all time?

A4. For general products, We have stock, shipment in 3 days once we receive the payment. If the order quantity is large, we hope customers place order 15 days in advance.

Q5. How about your supply ability?

A5. 80000K per month.

Q6. If your company can custom products as my required and put my LOGO on?

A6. All of our product are designed and customized as required including color, print, pattern and LOGO.

Most of the regular items, we are stocked, so we have an advantage in the delivery period. In the absence of inventory, we will arrange production as soon as possible according to customer needs. Providing quality service to customers is the basic premise of our sales. Welcome to inquire about our products!

**WELCOME TO CONTACT US>>>>WWW.ZHIDINGLED.COM**



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