



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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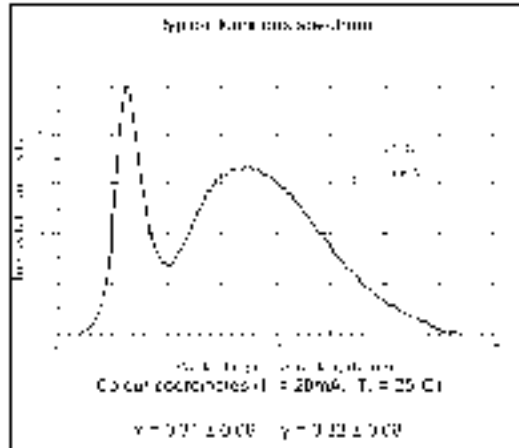
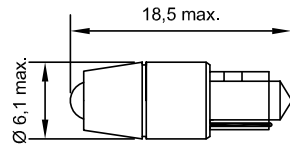
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# Chicago Miniature Lighting, LLC

*Lighting the world since 1910*



Lampensockel nach DIN EN 60061-1: W2 x 4,6d / Lamp base in accordance to DIN EN 60061-1: W2 x 4,6d

Elektrische und optische Daten sind bei einer Umgebungstemperatur von 25°C gemessen.  
Electrical and optical data are measured at an ambient temperature of 25°C.

Bestell-Nr. Part No.	Farbe Colour	Spannung Voltage	Strom Current	Lichtstärke Lum. Intensity	Dom. Wellenlänge Dom. Wavelength
1511A45UR3	Red	28V AC/DC	5mA / 10mA	230mcd	630nm
1511A45UG3	Green	28V AC/DC	5mA / 10mA	1500mcd	525nm
1511A45UY3	Yellow	28V AC/DC	5mA / 10mA	200mcd	587nm
1511A45B3	Blue	28V AC/DC	5mA / 10mA	480mcd	470nm
1511A45W3	White Clear	28V AC/DC	5mA / 10mA	1000mcd	x = 0,31 / y = 0,32
1511A45W3D	White Diffuse	28V AC/DC	5mA / 10mA	500mcd	x = 0,31 / y = 0,32

Lichtstärkedaten der verwendeten Leuchtdioden bei DC / Luminous intensity data of the used LEDs at DC

Lagertemperatur / Storage temperature	-25°C - +80°C
Umgebungstemperatur / Ambient temperature	-20°C - +60°C
Spannungstoleranz / Voltage tolerance	+10%

Die aufgeführten Typen sind alle mit einer Schutzdiode in Reihe zum Widerstand und der LED gefertigt. Dies erlaubt auch den Einsatz der Typen an entsprechender Wechselspannung.  
The specified versions are built with a protection diode in series with the resistor and the LED. Therefore it is also possible to run them at an equivalent alternating voltage.

**Allgemeiner Hinweis:** Bedingt durch die Fertigungstoleranzen der Leuchtdioden kann es zu geringfügigen Schwankungen der Farbe (Farbtemperatur) kommen. Es kann deshalb nicht ausgeschlossen werden, daß die Farben der Leuchtdioden eines Fertigungsloses unterschiedlich wahrgenommen werden.

**General:** Due to production tolerances, colour temperature variations may be detected within individual consignments.

## StarLEDs

T1 ½ (5mm) WB with half wave rectifier

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