



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!



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



CRYSTAL-MINE

~4.9° spot beam especially designed for mining headlamps

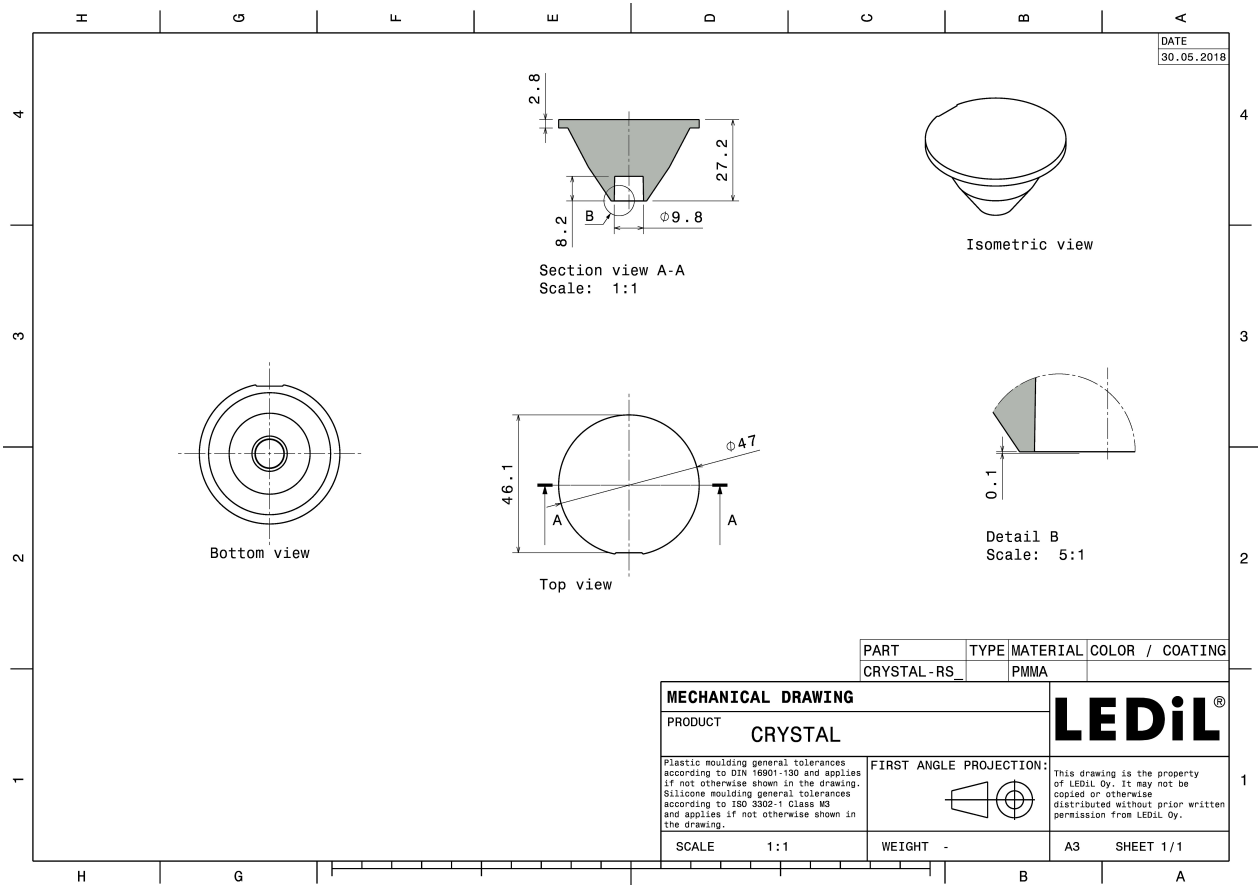
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 46.8 mm
Height	27.4 mm
Fastening	snaps
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	7.1 kg
Quantity in Box	288 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

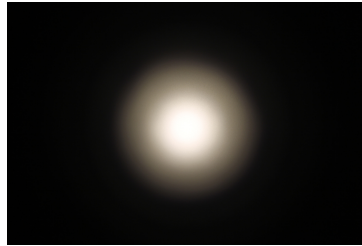
Component	Type	Material	Colour
CRYSTAL-MINE	Lens	PMMA	clear



PHOTOMETRIC DATA (MEASURED):

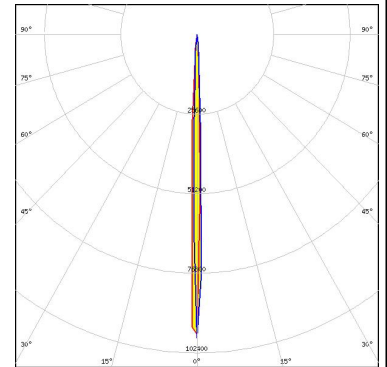
CREE

LED XM-L2
FWHM 6.9°
Efficiency 90 %
Peak intensity 35.000 cd/lm
Required components:



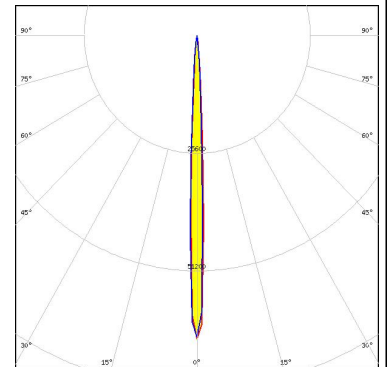
CREE

LED XP-E
FWHM 3.0°
Efficiency 92 %
Peak intensity 96.000 cd/lm
Required components:



CREE

LED XP-G
FWHM 4.7°
Efficiency 90 %
Peak intensity 66.900 cd/lm
Required components:



CREE

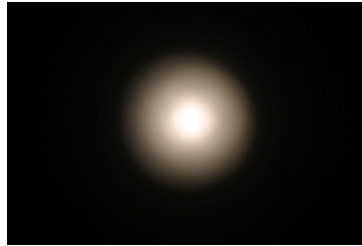
LED XP-G2
FWHM 4.6°
Efficiency 90 %
Peak intensity 65.200 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON A
FWHM 4.9°
Efficiency 89 %
Peak intensity 58.200 cd/lm
Required components:



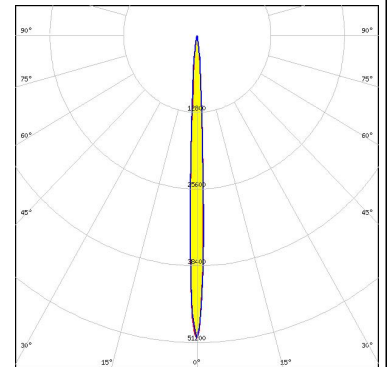
LUMILEDS

LED LUXEON T
FWHM 4.9°
Efficiency 89 %
Peak intensity 55.100 cd/lm
Required components:



LUMILEDS

LED LUXEON TX
FWHM 5.0°
Efficiency 94 %
Peak intensity 50.600 cd/lm
Required components:



NICHIA

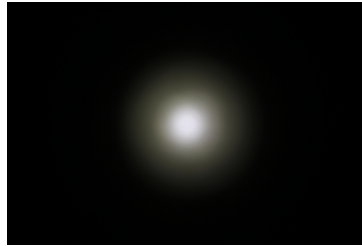
LED NCSxx19B
FWHM 3.6°
Efficiency 90 %
Peak intensity 73.300 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LH351B
FWHM 5.1°
Efficiency 90 %
Peak intensity 51.770 cd/lm
Required components:



SAMSUNG

LED LH351Z
FWHM 4.2°
Efficiency 90 %
Peak intensity 71.400 cd/lm
Required components:



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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