



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



CRYSTAL-RS

~5.1° spot beam. Assembly with holder.

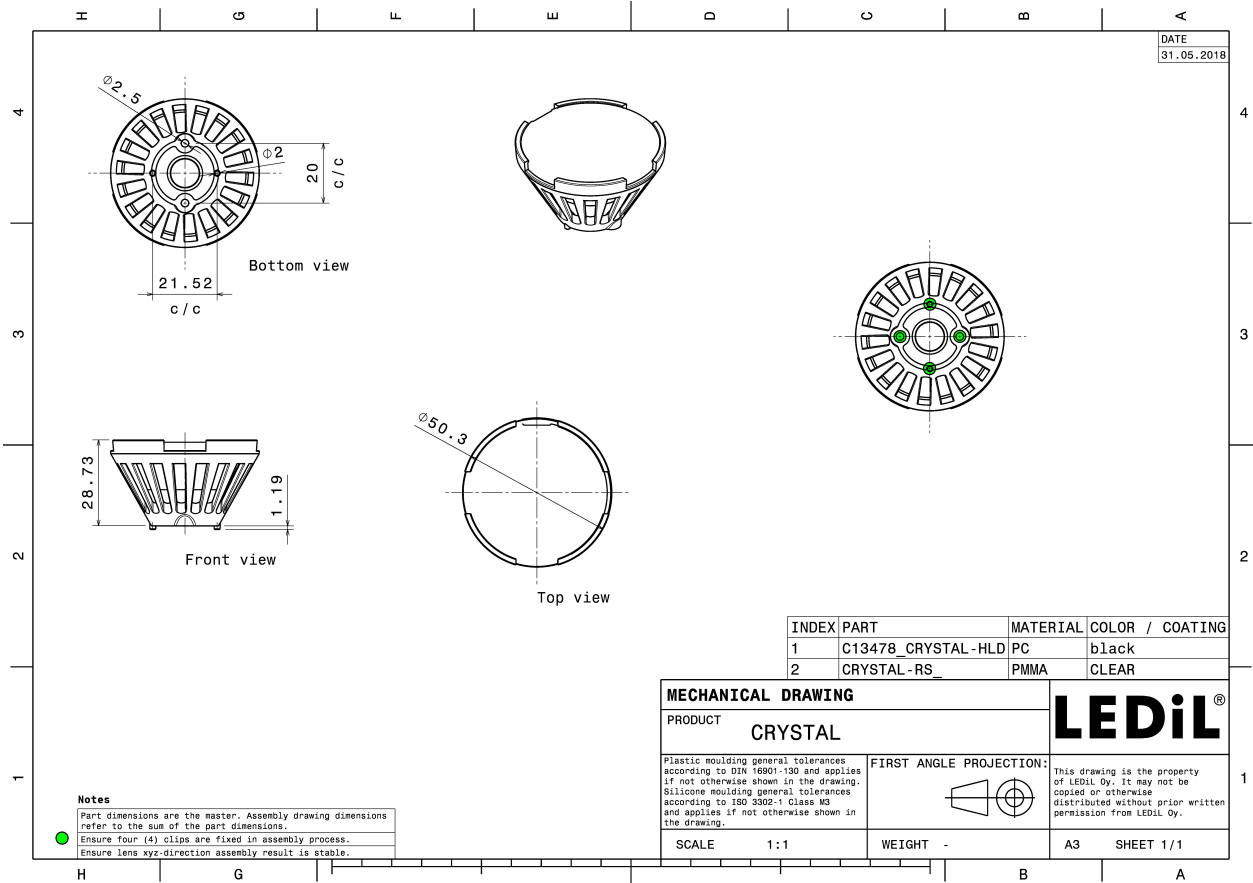
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.7 mm
Height	28.7 mm
Fastening	pin, screw
Colour	white
Box size	
Box weight	0 kg
Quantity in Box	288 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

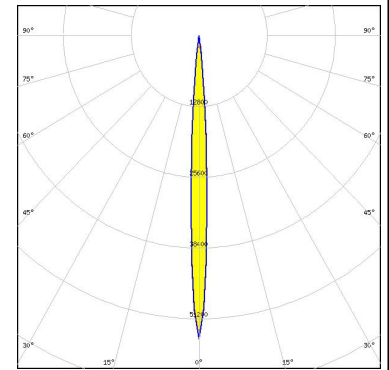
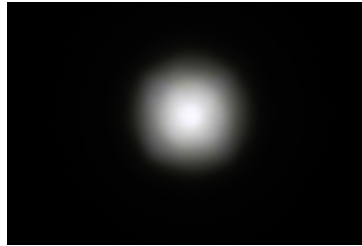
Component	Type	Material	Colour
CRYSTAL-RS	Lens	PMMA	clear
CRYSTAL-HLD	Holder	PC	white



PHOTOMETRIC DATA (MEASURED):

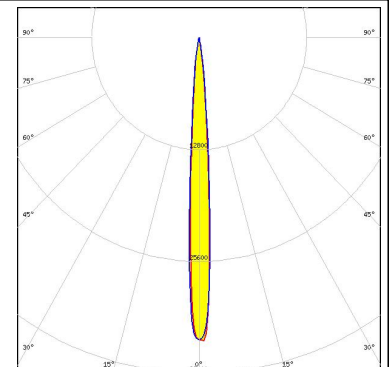
CREE ⇄

LED XHP35 HI
FWHM 5.7°
Efficiency 89 %
Peak intensity 48.300 cd/lm
Required components:



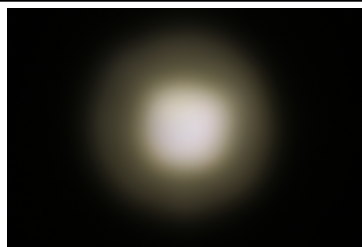
CREE ⇄

LED XP-G
FWHM 4.9°
Efficiency 89 %
Peak intensity 68.290 cd/lm
Required components:



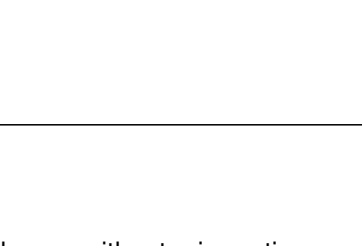
CREE ⇄

LED XP-L
FWHM 7.0°
Efficiency 88 %
Peak intensity 34.700 cd/lm
Required components:



CREE ⇄

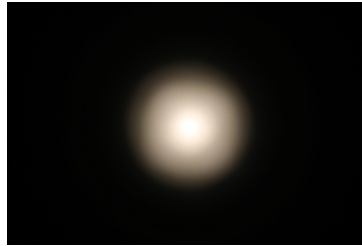
LED XQ-E HI
FWHM 2.9°
Efficiency 88 %
Peak intensity 110.500 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

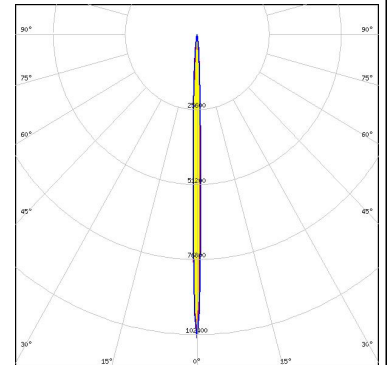
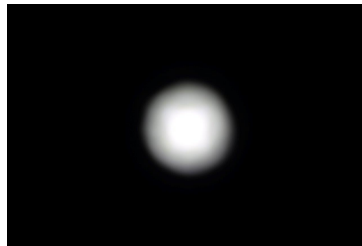
LUMILEDS

LED LUXEON A
FWHM 5.1°
Efficiency 89 %
Peak intensity 58.900 cd/lm
Required components:



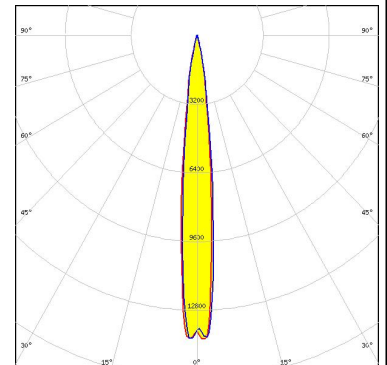
LUMILEDS

LED LUXEON Z ES
FWHM 3.0°
Efficiency 93 %
Peak intensity 103.780 cd/lm
Required components:



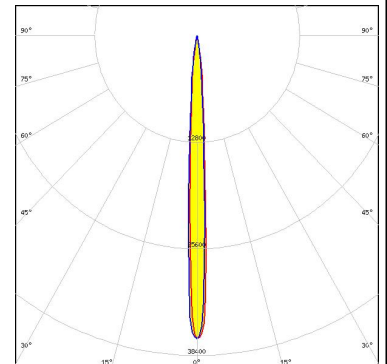
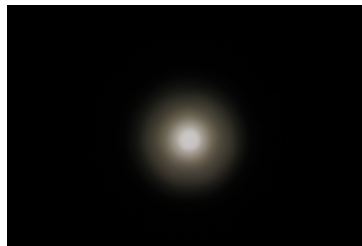
NICHIA

LED NV4x144A
FWHM 12.0°
Efficiency 92 %
Peak intensity 14.200 cd/lm
Required components:



NICHIA

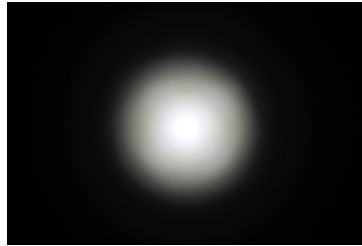
LED NVSW3x9A
FWHM 6.0°
Efficiency 89 %
Peak intensity 36.500 cd/lm
Required components:



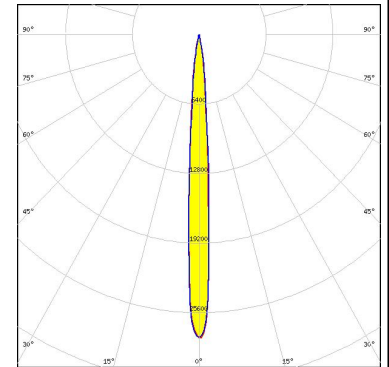
PHOTOMETRIC DATA (MEASURED):



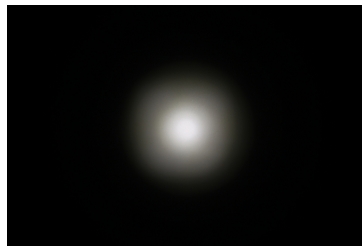
LED NVSxx19B/NVSxx19C
FWHM 5.3°
Efficiency 89 %
Peak intensity 42.500 cd/lm
Required components:



LED NWSx229A
FWHM 8.0°
Efficiency 92 %
Peak intensity 27.900 cd/lm
Required components:



LED LH351B
FWHM 5.3°
Efficiency 90 %
Peak intensity 57.030 cd/lm
Required components:



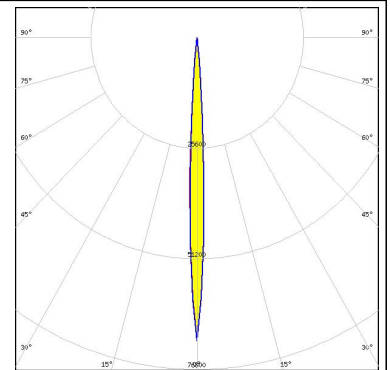
LED LH351Z
FWHM 4.4°
Efficiency 90 %
Peak intensity 77.000 cd/lm
Required components:



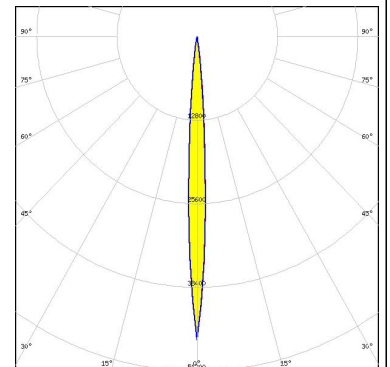
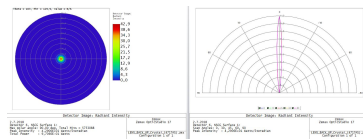
PHOTOMETRIC DATA (SIMULATED):



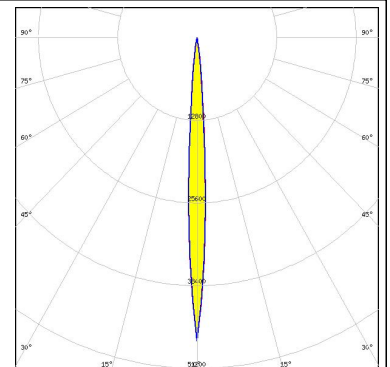
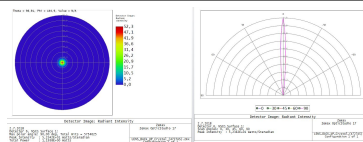
LED XP-L HI
 FWHM 5.6°
 Efficiency 94 %
 Peak intensity 70.220 cd/lm
 Required components:



LED SFH 4717AS
 FWHM 6.7°
 Efficiency 94 %
 Peak intensity 46.450 cd/lm
 Required components:



LED SFH 4727AS
 FWHM 6.7°
 Efficiency 94 %
 Peak intensity 47.000 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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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
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