



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

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



HB-5X1-W

~55° wide beam

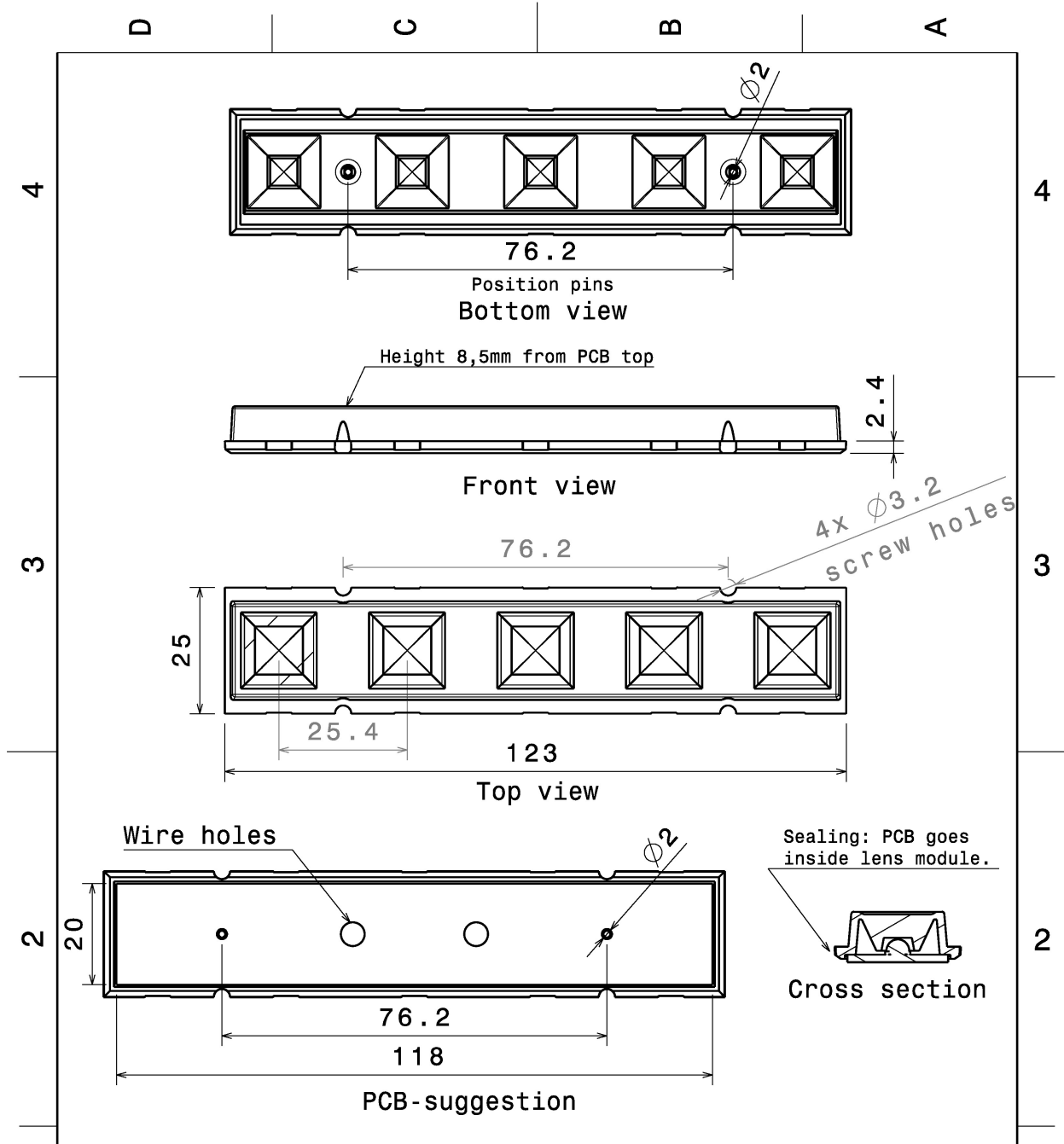
TECHNICAL SPECIFICATIONS:

Dimensions	123 + 25 mm
Height	9 mm
Fastening	pin, glue, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.6 kg
Quantity in Box	504 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
HB-5X1-W	Lens array	PMMA	clear

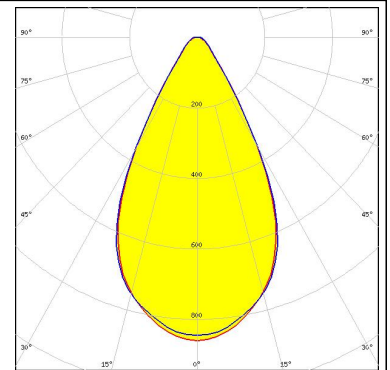


This drawing is our property. It can't be reproduced or communicated without our written agreement.		LEDiL		Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWING TITLE					
DRAWN BY mav		DATE 14.03.2012		Datasheet HB-5x1 Lens	
CHECKED BY		DATE		DRAWING NUMBER	
		A4		C12345	
DESIGNED BY mav		DATE 22.09.2011		REV 2	
SCALE		1:1		WEIGHT(g)	
				SHEET 1/1	

PHOTOMETRIC DATA (MEASURED):

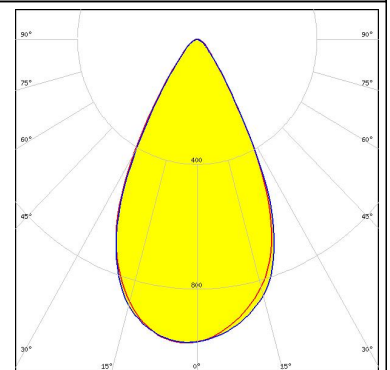
CREE 

LED XM-L
FWHM 56.0°
Efficiency 89 %
Peak intensity 0.900 cd/lm
Required components:



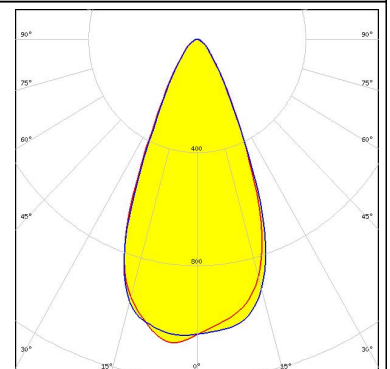
CREE 

LED XM-L2
FWHM 55.0°
Efficiency 89 %
Peak intensity 0.970 cd/lm
Required components:



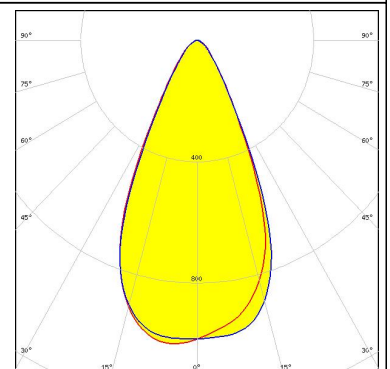
CREE 

LED XP-E
FWHM 47.0°
Efficiency 90 %
Peak intensity 1.090 cd/lm
Required components:



CREE 

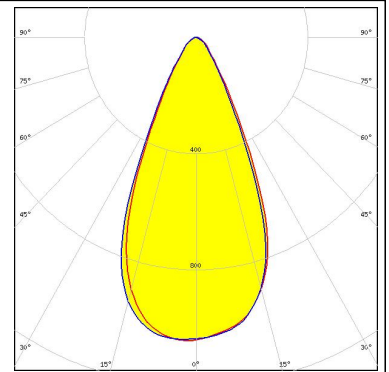
LED XP-G
FWHM 50.0°
Efficiency 89 %
Peak intensity 1.000 cd/lm
Required components:



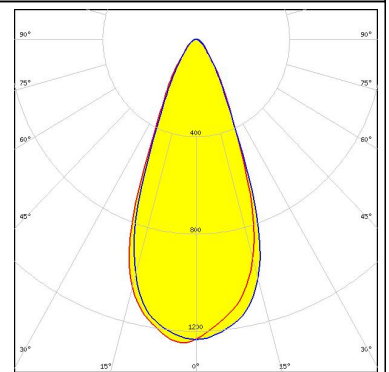
PHOTOMETRIC DATA (MEASURED):



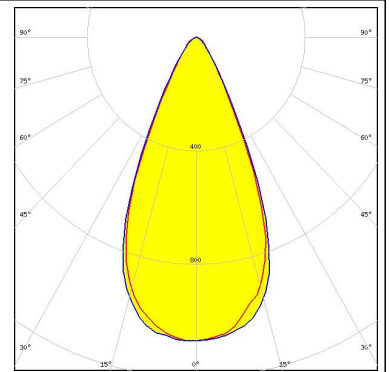
LED XT-E
FWHM 50.0°
Efficiency 87 %
Peak intensity 1.050 cd/lm
Required components:



LED LUXEON Rebel
FWHM 43.0°
Efficiency 89 %
Peak intensity 1.250 cd/lm
Required components:



LED NVSxx19A
FWHM 49.0°
Efficiency 85 %
Peak intensity 1.070 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON A
FWHM 45.0°
Efficiency %
Peak intensity cd/Im
Required components:

LUMILEDS

LED LUXEON Rebel ES
FWHM 45.0°
Efficiency %
Peak intensity cd/Im
Required components:

NICHIA

LED NCSxx19A
FWHM 50.0°
Efficiency %
Peak intensity cd/Im
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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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Hong Kong, China

Distribution Partners

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