

## HB-5X1-W

~55° wide beam

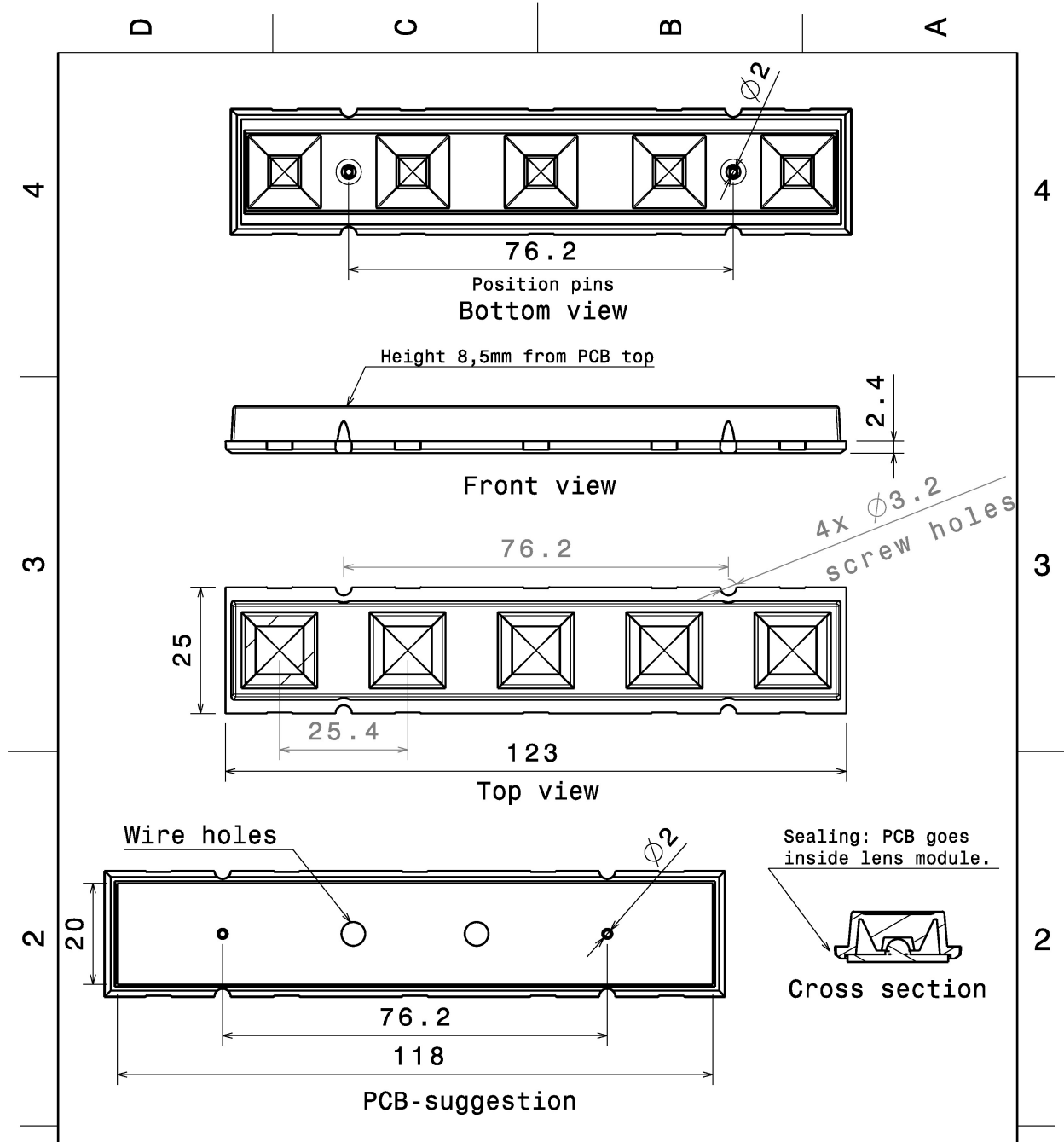
### TECHNICAL SPECIFICATIONS:


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

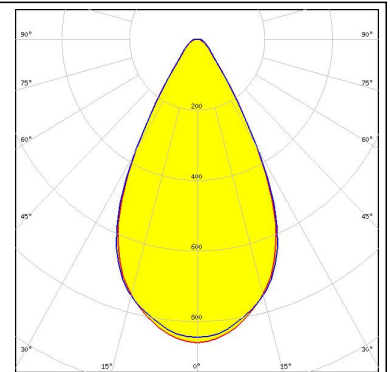
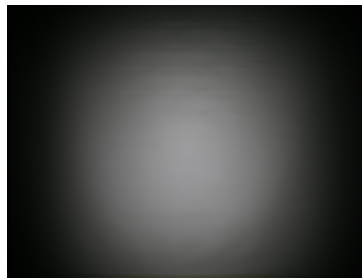


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<b>DRAWING TITLE</b>					
DRAWN BY mav		DATE 14.03.2012		Dataseet HB-5x1 Lens	
CHECKED BY		DATE		DRAWING NUMBER	
				C12345	
DESIGNED BY mav		DATE 22.09.2011		REV 2	
		SCALE 1:1		WEIGHT(g)	
				SHEET 1/1	

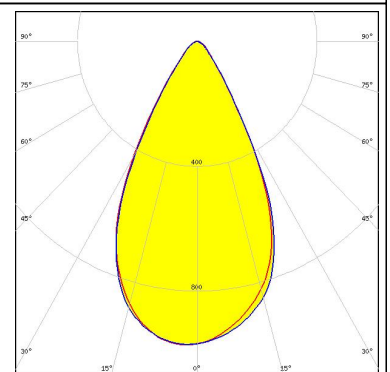
**PHOTOMETRIC DATA (MEASURED):**



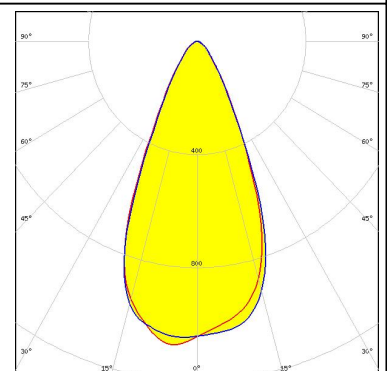
LED XM-L  
FWHM 56.0°  
Efficiency 89 %  
Peak intensity 0.900 cd/lm  
Required components:



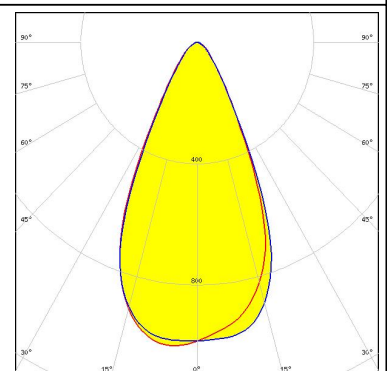
LED XM-L2  
FWHM 55.0°  
Efficiency 89 %  
Peak intensity 0.970 cd/lm  
Required components:



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



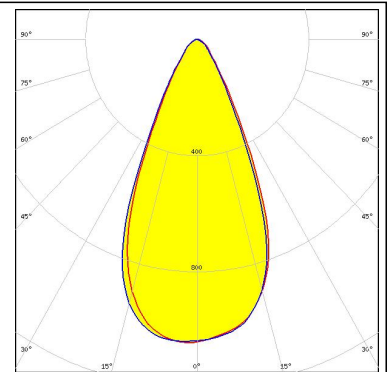
LED XP-G  
FWHM 50.0°  
Efficiency 89 %  
Peak intensity 1.000 cd/lm  
Required components:



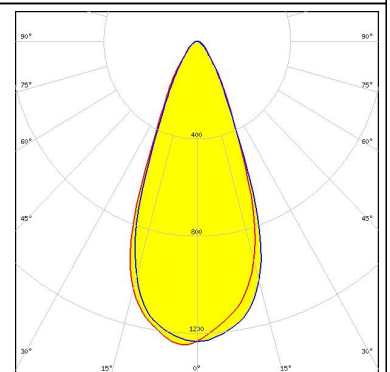
### PHOTOMETRIC DATA (MEASURED):



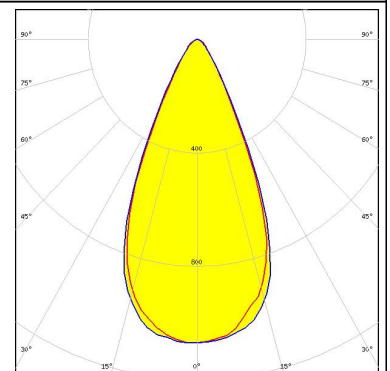
LED XT-E  
FWHM 50.0°  
Efficiency 87 %  
Peak intensity 1.050 cd/lm  
Required components:



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.

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