

## HB-2X2-WW-BLIND

~65° wide beam without centre screw hole for easier potting

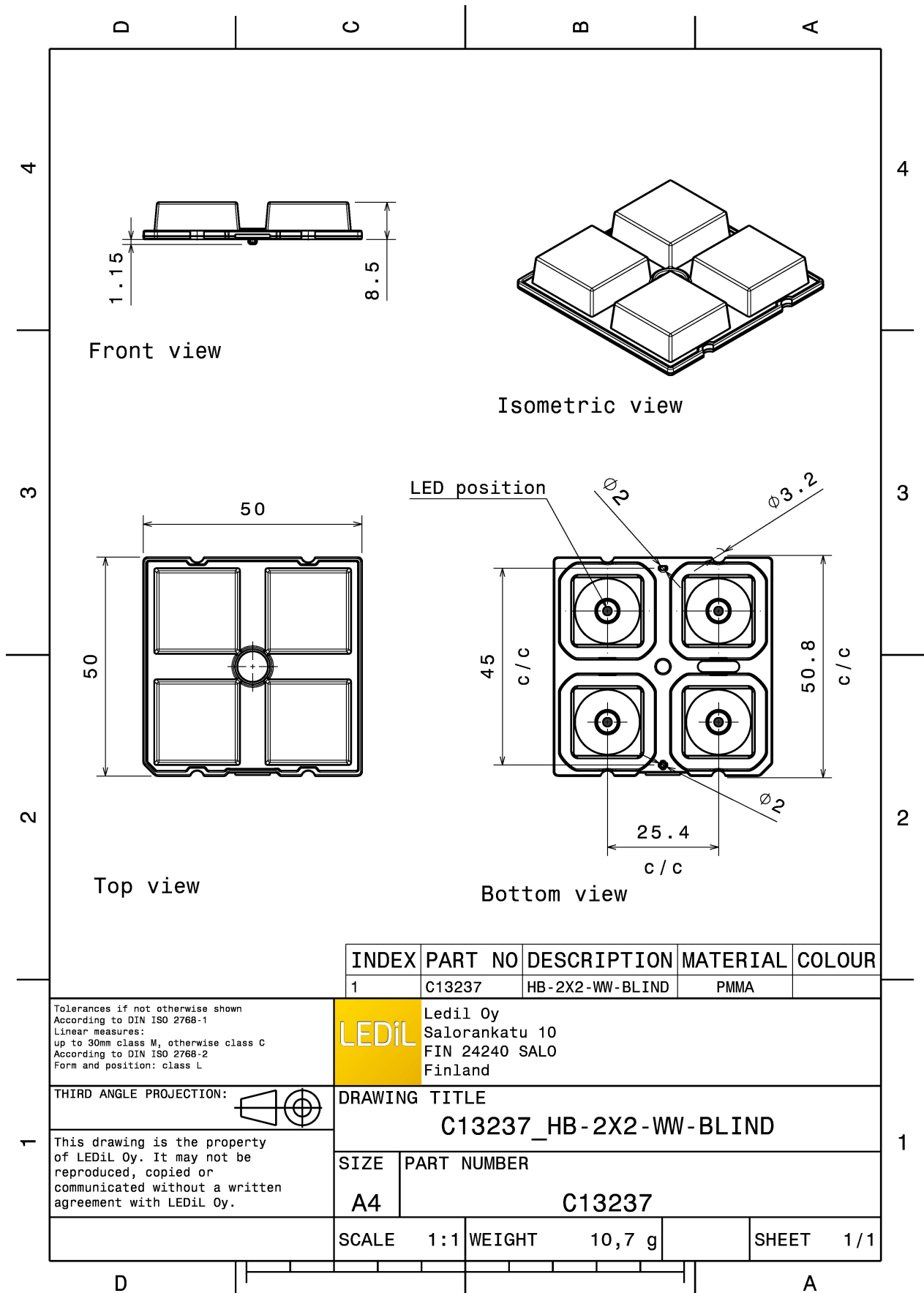
### TECHNICAL SPECIFICATIONS:

Dimensions	50x50 mm
Height	8.5 mm
Fastening	pin, glue
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	9.4 kg
Quantity in Box	800 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

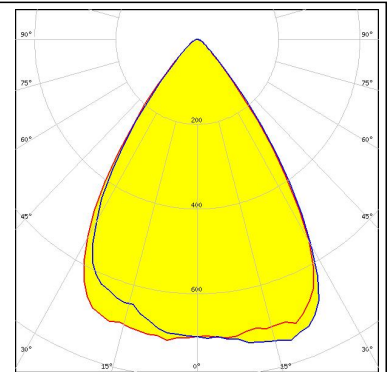
Component	Type	Material	Colour
HB-2X2-WW-BLIND	Lens array	PMMA	clear



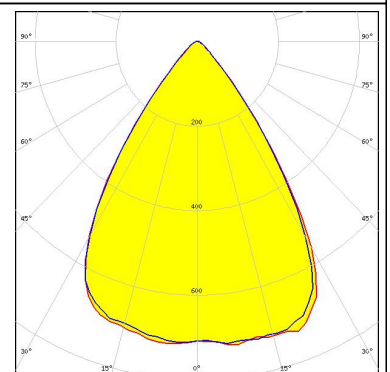
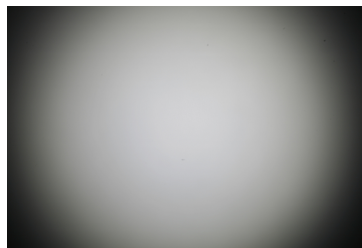
#### PHOTOMETRIC DATA (MEASURED):



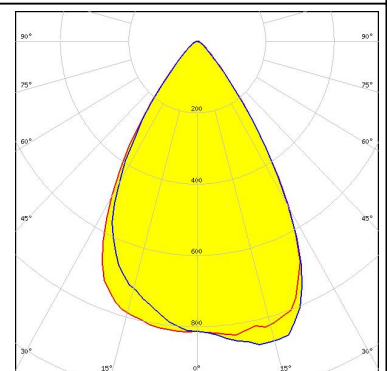
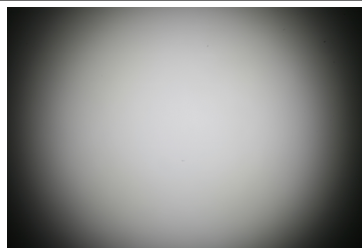
LED XP-G  
 FWHM 69.0°  
 Efficiency 91 %  
 Peak intensity 0.800 cd/lm  
 Required components:



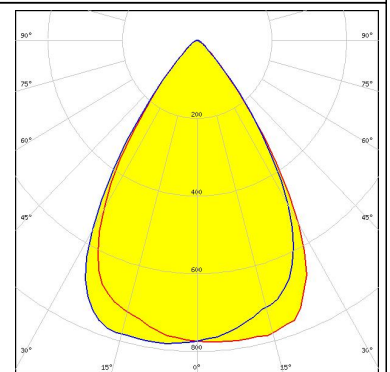
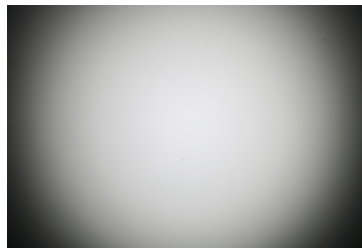
LED XP-G2  
 FWHM 69.0°  
 Efficiency 91 %  
 Peak intensity 0.700 cd/lm  
 Required components:



LED XT-E  
 FWHM 65.0°  
 Efficiency 91 %  
 Peak intensity 0.900 cd/lm  
 Required components:



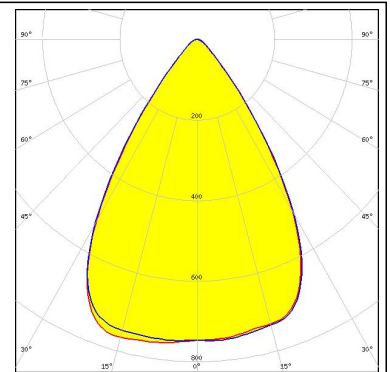
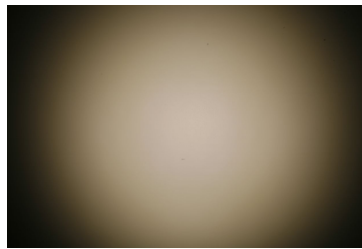
LED H35C1 (LEMWA33)  
 FWHM 68.0°  
 Efficiency 89 %  
 Peak intensity 0.800 cd/lm  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

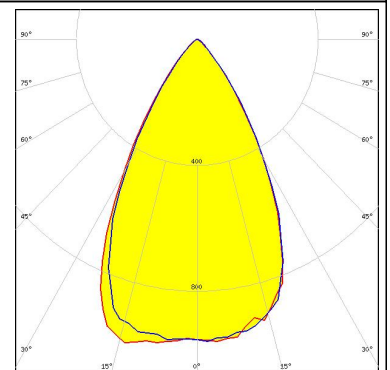
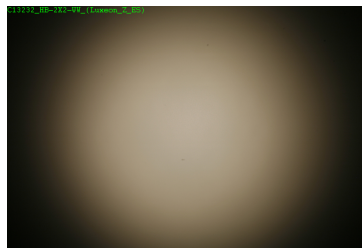
##### LUMILEDS

LED LUXEON Q  
 FWHM 67.0°  
 Efficiency 91 %  
 Peak intensity 0.800 cd/lm  
 Required components:



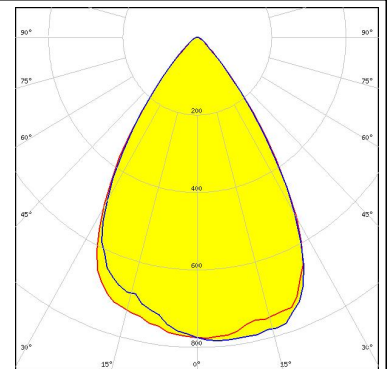
##### LUMILEDS

LED LUXEON Z ES  
 FWHM 59.0°  
 Efficiency 90 %  
 Peak intensity 1.000 cd/lm  
 Required components:



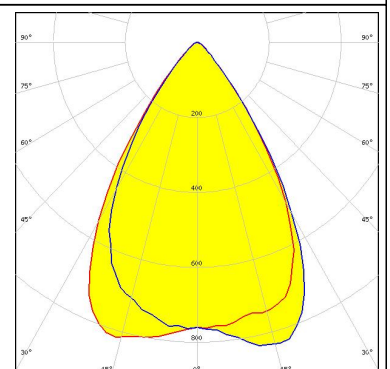
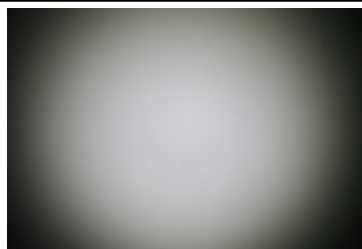
##### NICHIA

LED NVSxx19B/NVSxx19C  
 FWHM 67.0°  
 Efficiency 91 %  
 Peak intensity 0.800 cd/lm  
 Required components:



##### OSRAM Opto Semiconductors

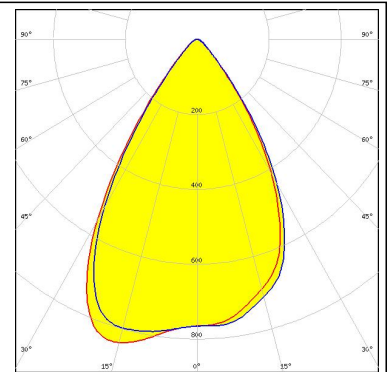
LED Oslon Square PC  
 FWHM 65.0°  
 Efficiency 91 %  
 Peak intensity 0.800 cd/lm  
 Required components:



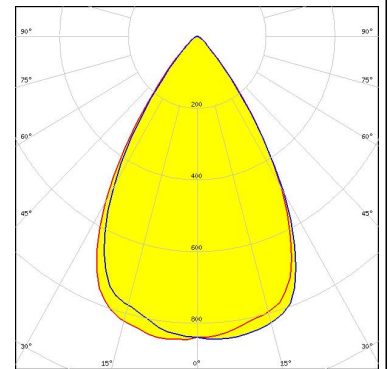
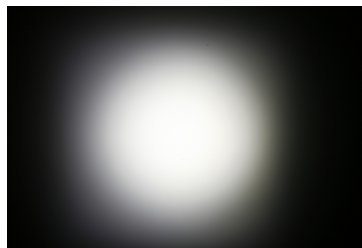
#### PHOTOMETRIC DATA (MEASURED):

#### SAMSUNG

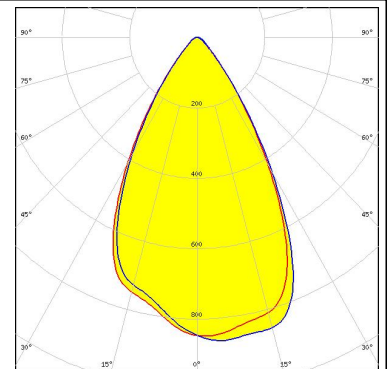
LED LH351Z  
 FWHM 63.0°  
 Efficiency 89 %  
 Peak intensity 0.860 cd/lm  
 Required components:



LED Z5M1/Z5M2  
 FWHM 65.0°  
 Efficiency 90 %  
 Peak intensity 0.900 cd/lm  
 Required components:

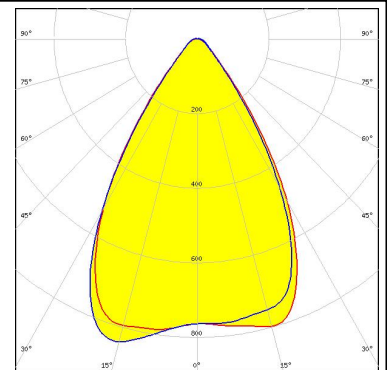


LED TL1L4  
 FWHM 60.0°  
 Efficiency 84 %  
 Peak intensity 0.870 cd/lm  
 Required components:



#### TRIDONIC

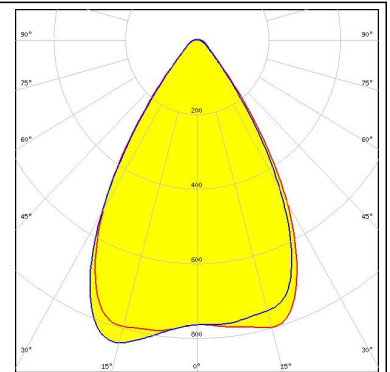
LED RLE G1 49x121mm 2000lm xxx EXC OTD  
 FWHM 67.0°  
 Efficiency 94 %  
 Peak intensity 0.850 cd/lm  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

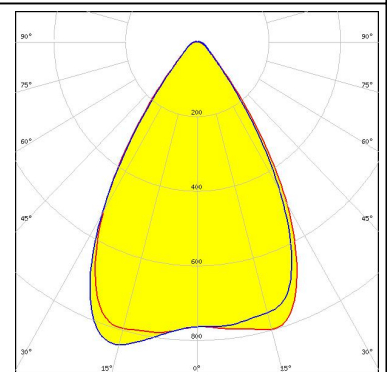
#### TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD  
FWHM 67.0°  
Efficiency 94 %  
Peak intensity 0.850 cd/lm  
Required components:



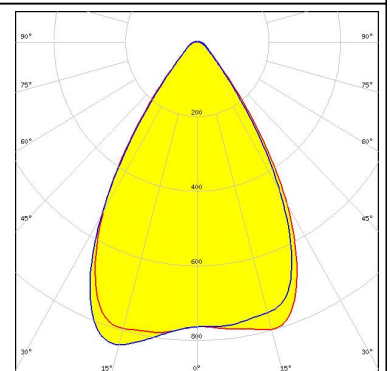
#### TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD  
FWHM 67.0°  
Efficiency 94 %  
Peak intensity 0.850 cd/lm  
Required components:



#### TRIDONIC

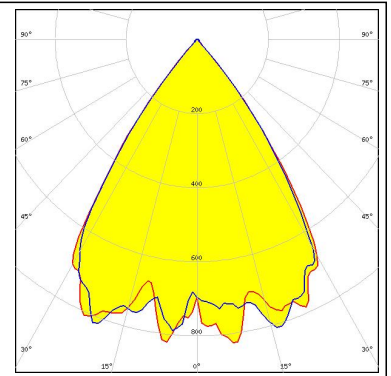
LED RLE G1 49x245mm 4000lm xxx EXC OTD  
FWHM 67.0°  
Efficiency 94 %  
Peak intensity 0.850 cd/lm  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED Oslon Square Gen3  
FWHM 69.0°  
Efficiency 94 %  
Peak intensity 1.070 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:

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