

## HB-2X2-M-BLIND

~25° medium beam without centre screw hole  
for easier potting

### SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	8.5 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

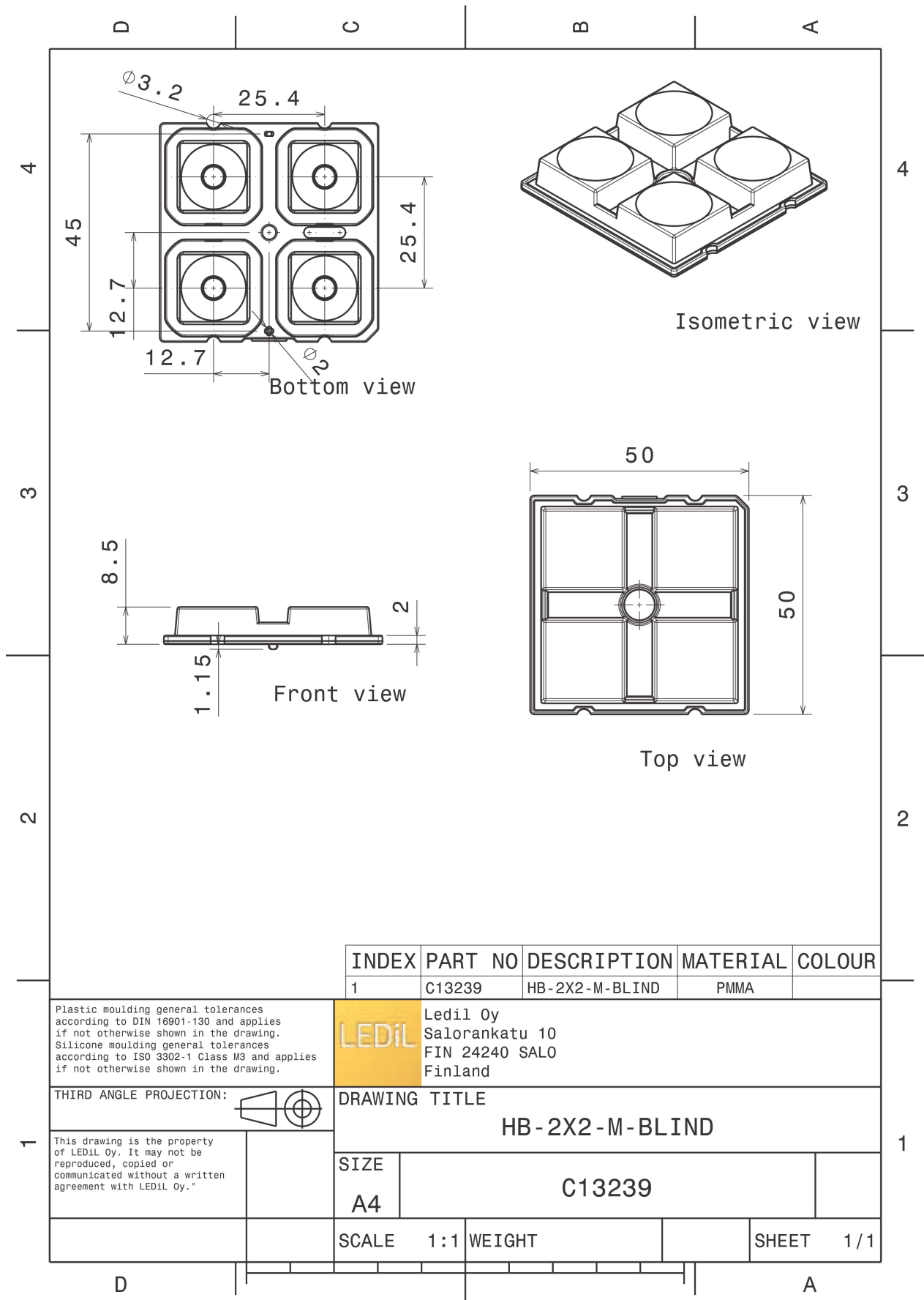
### MATERIALS:

Component	Type	Material	Colour	Finish
HB-2X2-M-BLIND	Multi-lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13239_HB-2X2-M-BLIND » Box size: 480 x 280 x 300 mm	800	160	160	9.3





INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C13239	HB-2X2-M-BLIND	PMMA	

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

**LEDiL** LediL Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**HB-2X2-M-BLIND**

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SIZE  
**A4** **C13239**

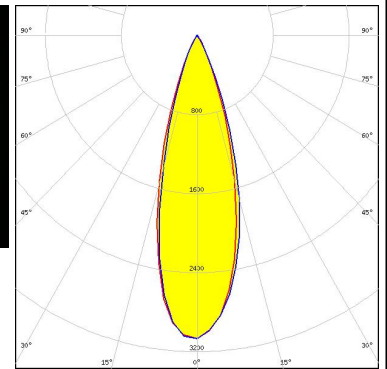
SCALE 1:1 WEIGHT SHEET 1/1

See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

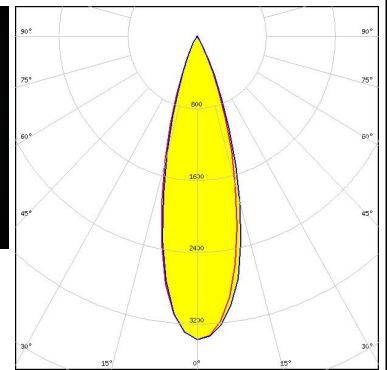
#### OPTICAL RESULTS (MEASURED):



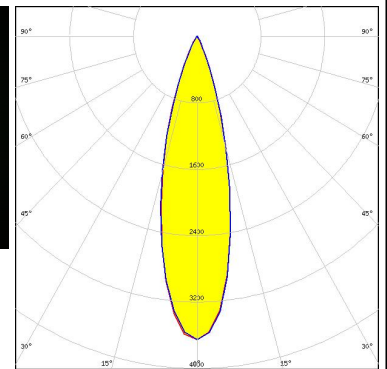
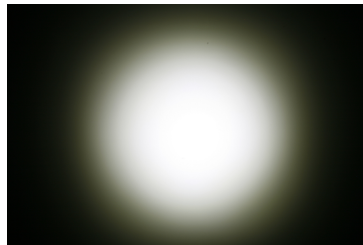
LED XP-G  
 FWHM / FWTM 31.0° / 54.0°  
 Efficiency 91 %  
 Peak intensity 3.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



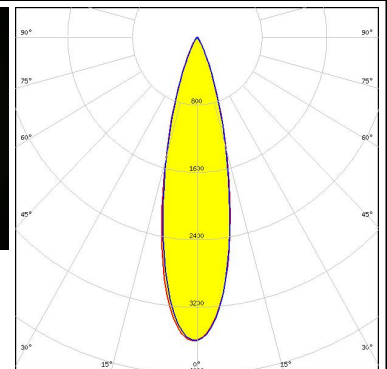
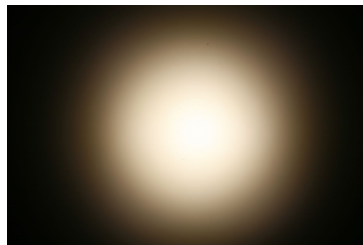
LED XP-G2  
 FWHM / FWTM 33.0° / 54.0°  
 Efficiency 93 %  
 Peak intensity 3.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:




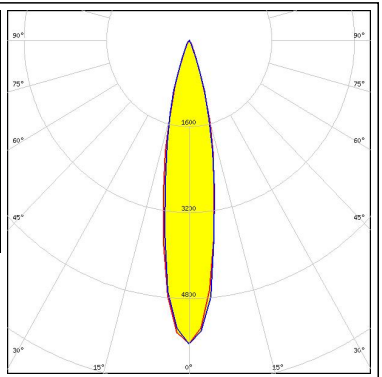

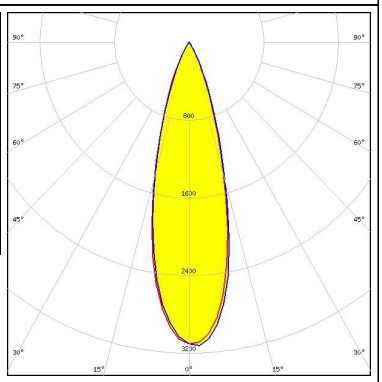

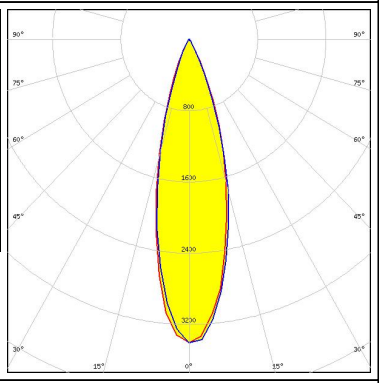

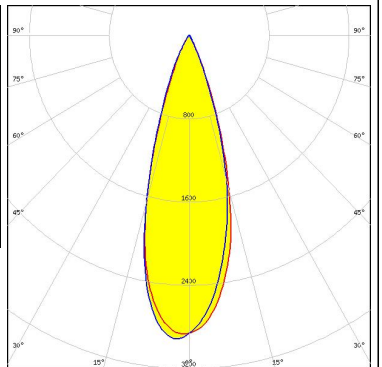
LED XT-E  
 FWHM / FWTM 25.0° / 46.0°  
 Efficiency 92 %  
 Peak intensity 3.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:




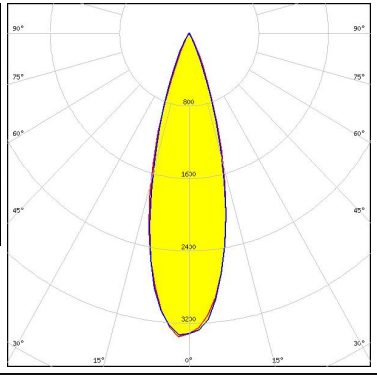
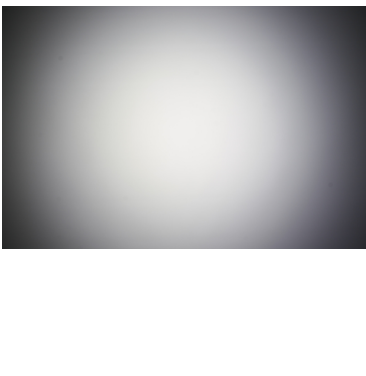
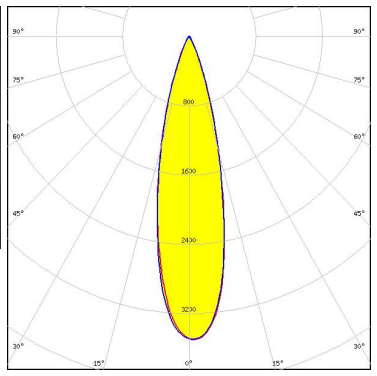

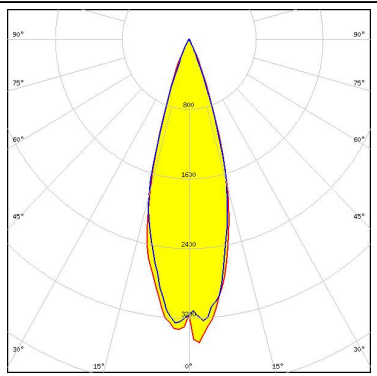

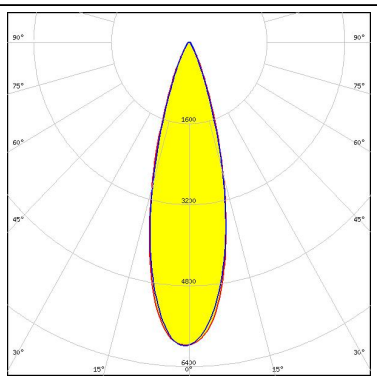
LED LUXEON Q  
 FWHM / FWTM 26.0° / 49.0°  
 Efficiency 94 %  
 Peak intensity 3.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 21.0° / 42.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 5.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM 29.0° / 52.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 3.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square PC</p> <p>FWHM / FWTM 30.0° / 54.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 3.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SAMSUNG</b></p> <p>LED LH351Z</p> <p>FWHM / FWTM 32.0° / 52.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 2.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

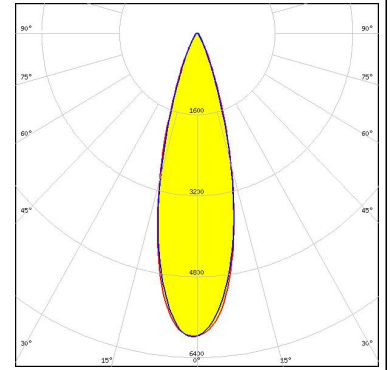
#### OPTICAL RESULTS (MEASURED):

<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM / FWTM 30.0° / 52.0° Efficiency 90 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>TOSHIBA</b> Leading Innovation &gt;&gt;&gt;</p> <p>LED TL1L4 FWHM / FWTM 25.0° / 46.0° Efficiency 85 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED RLE 2x4 2000lm HP EXC2 OTD FWHM / FWTM 31.0° / 47.0° Efficiency 93 % Peak intensity 3.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED RLE G1 49x121mm 2000lm xxx EXC OTD FWHM / FWTM 29.0° / 53.0° Efficiency 94 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

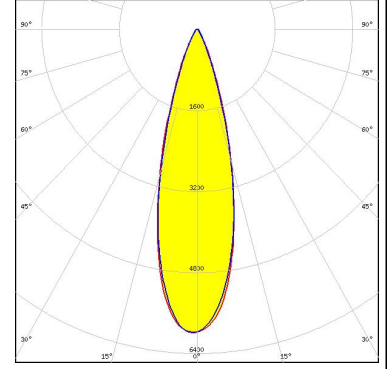
#### TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD  
 FWHM / FWTM 29.0° / 53.0°  
 Efficiency 94 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



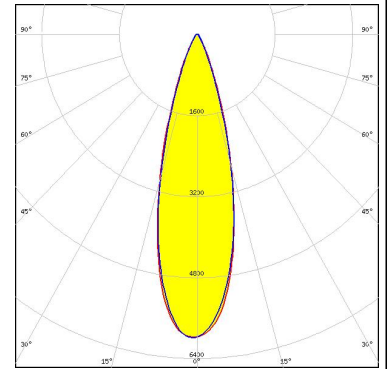
#### TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD  
 FWHM / FWTM 29.0° / 53.0°  
 Efficiency 94 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD  
 FWHM / FWTM 29.0° / 53.0°  
 Efficiency 94 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	32.0° / 49.0°
Efficiency	93 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

