

## 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 ⓘ

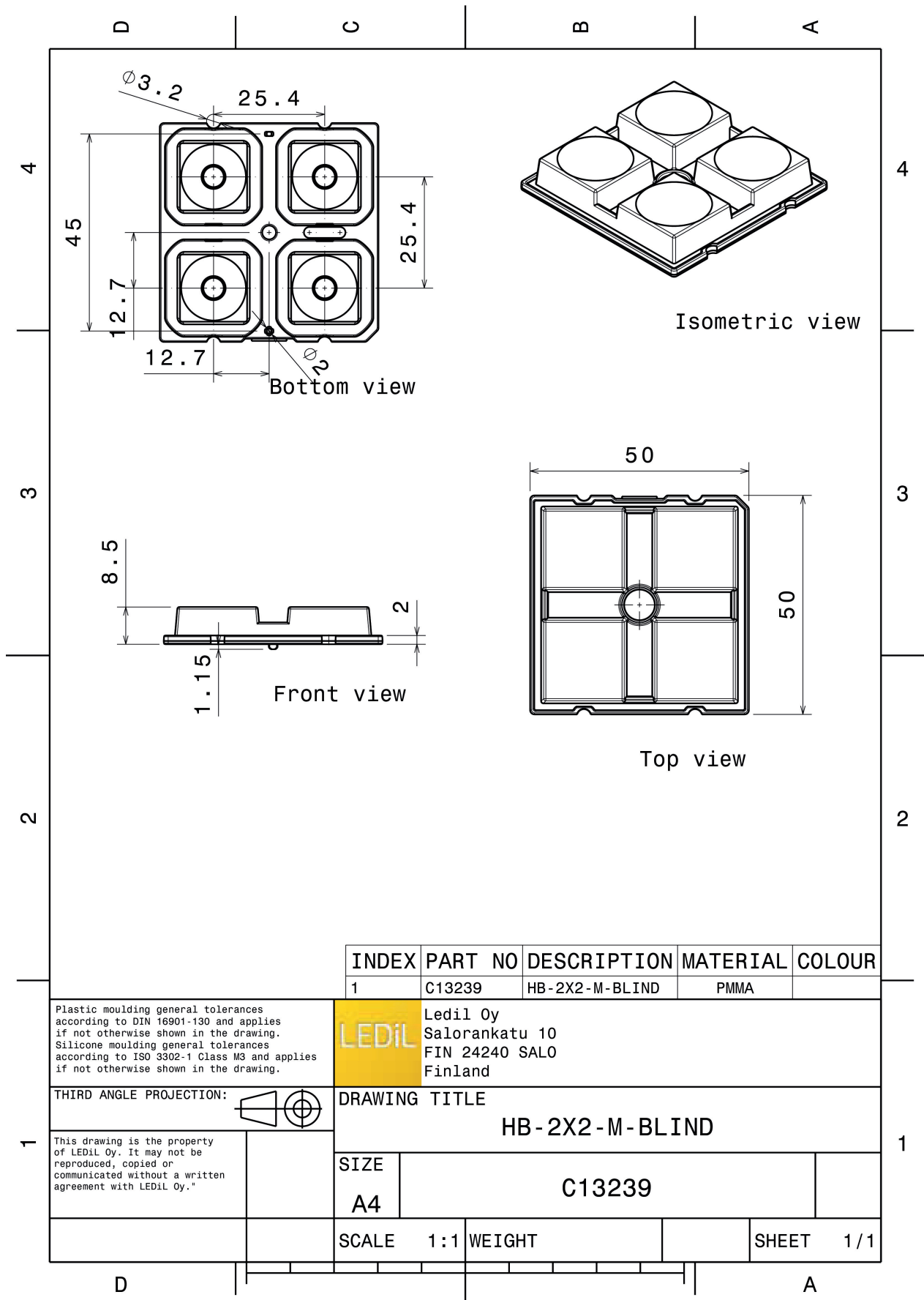


### MATERIALS:

Component	Type	Material	Colour	Finish	Length
HB-2X2-M-BLIND	Multi-lens	PMMA	clear		50.0

### 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** Ledit Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

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

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SIZE  
**A4** **C13239**

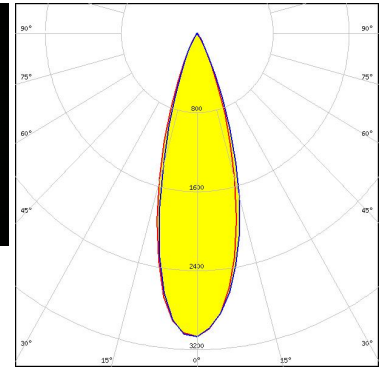
SCALE 1:1 WEIGHT SHEET 1/1

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

#### OPTICAL RESULTS (MEASURED):



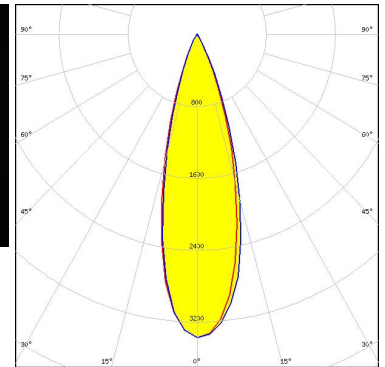
**LED** XP-G  
**FWHM / FWTM** 31.0° / 54.0°  
**Efficiency** 91 %  
**Peak intensity** 3.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



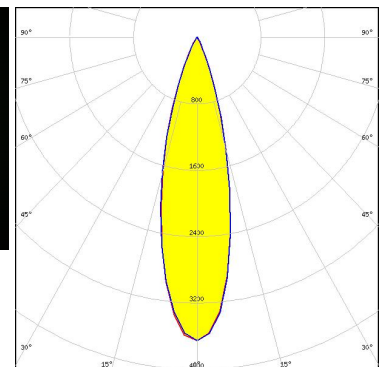
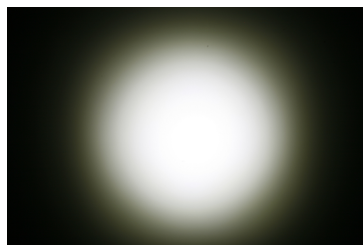
**LED** XP-G2  
**FWHM / FWTM** 33.0° / 54.0°  
**Efficiency** 93 %  
**Peak intensity** 3.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



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

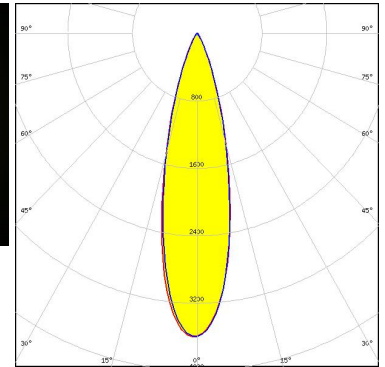


Light distribution files

#### OPTICAL RESULTS (MEASURED):



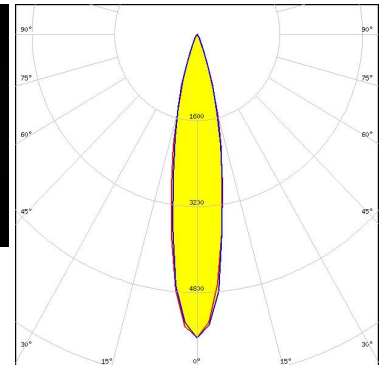
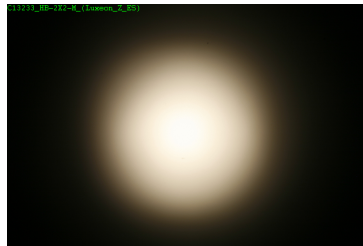
**LED** LUXEON Q  
**FWHM / FWTM** 26.0° / 49.0°  
**Efficiency** 94 %  
**Peak intensity** 3.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



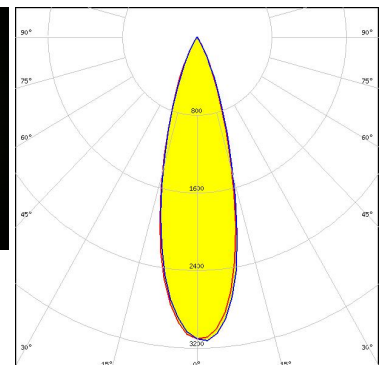
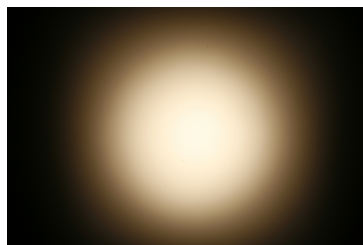
**LED** LUXEON Z ES  
**FWHM / FWTM** 21.0° / 42.0°  
**Efficiency** 91 %  
**Peak intensity** 5.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** NVSxx19B/NVSxx19C  
**FWHM / FWTM** 29.0° / 52.0°  
**Efficiency** 91 %  
**Peak intensity** 3.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

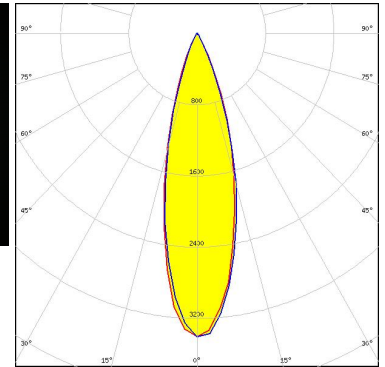
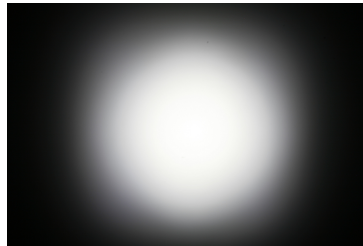


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

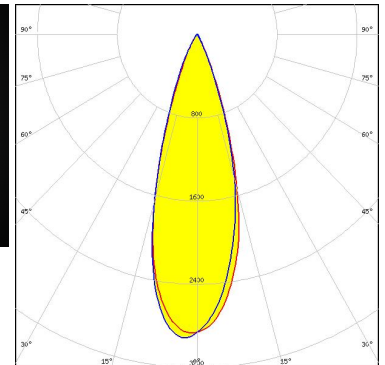
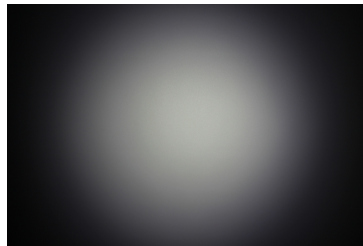
LED OSLON Square PC  
FWHM / FWTM 30.0° / 54.0°  
Efficiency 91 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

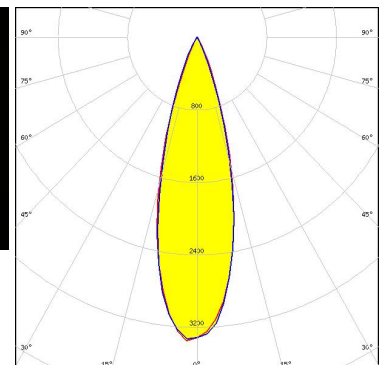
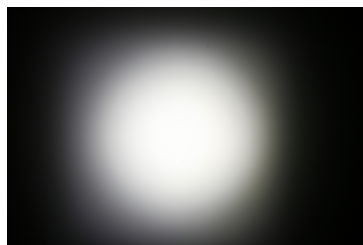
LED LH351Z  
FWHM / FWTM 32.0° / 52.0°  
Efficiency 93 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SEMI**  
SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2  
FWHM / FWTM 30.0° / 52.0°  
Efficiency 90 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



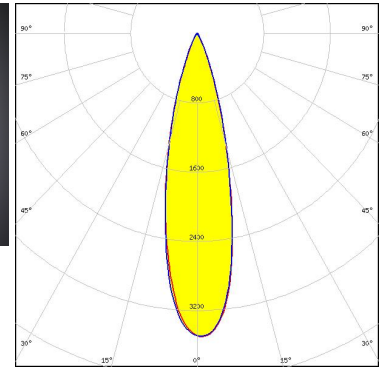
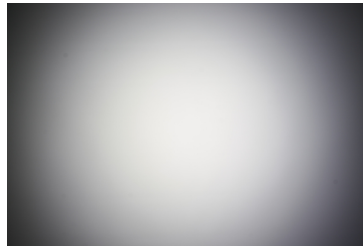
Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### TOSHIBA

Leading Innovation >>>

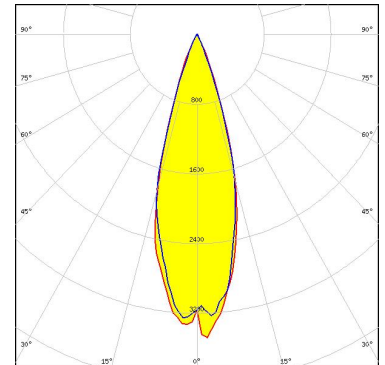
LED TL1L4  
FWHM / FWTM 25.0° / 46.0°  
Efficiency 85 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### TRIDONIC

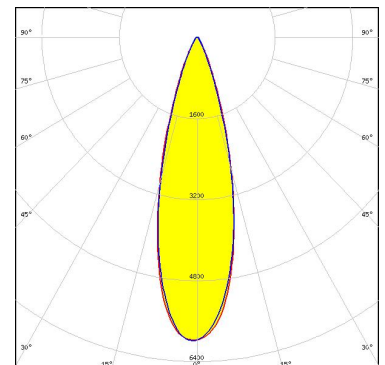
LED RLE 2x4 2000lm HP EXC2 OTD  
FWHM / FWTM 31.0° / 47.0°  
Efficiency 93 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### TRIDONIC

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/type White  
Required components:



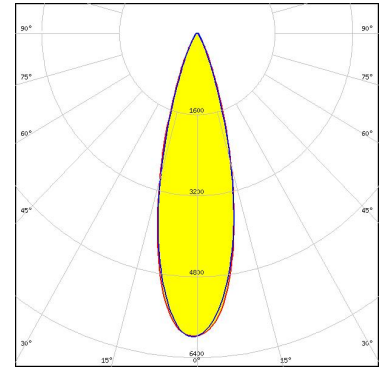
Light distribution files



#### OPTICAL RESULTS (MEASURED):

### TRIDONIC

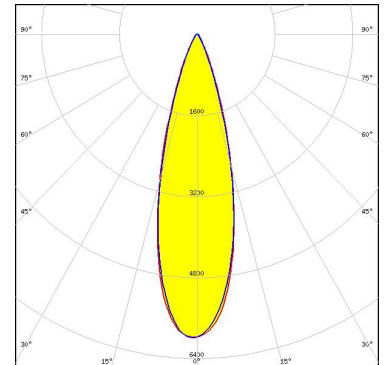
LED RLE G1 49x133mm 2000lm xxx EXC OTD  
FWHM / FWTM 29.0° / 53.0°  
Efficiency 94 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### TRIDONIC

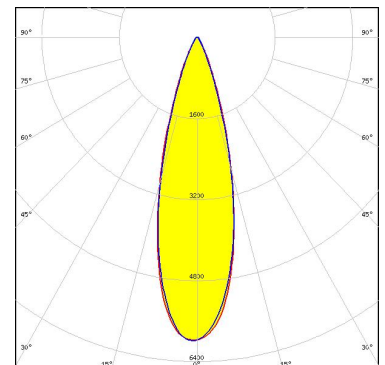
LED RLE G1 49x223mm 4000lm xxx EXC OTD  
FWHM / FWTM 29.0° / 53.0°  
Efficiency 94 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### 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/type White  
Required components:

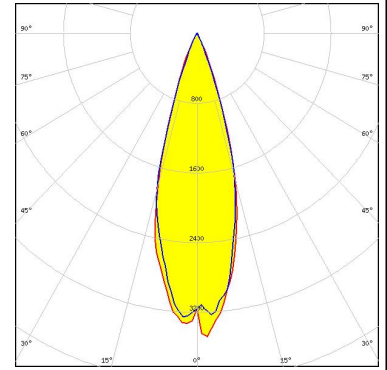


Light distribution files

#### 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/type	White
Required components:	



Light distribution files



#### 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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