

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 ⓘ

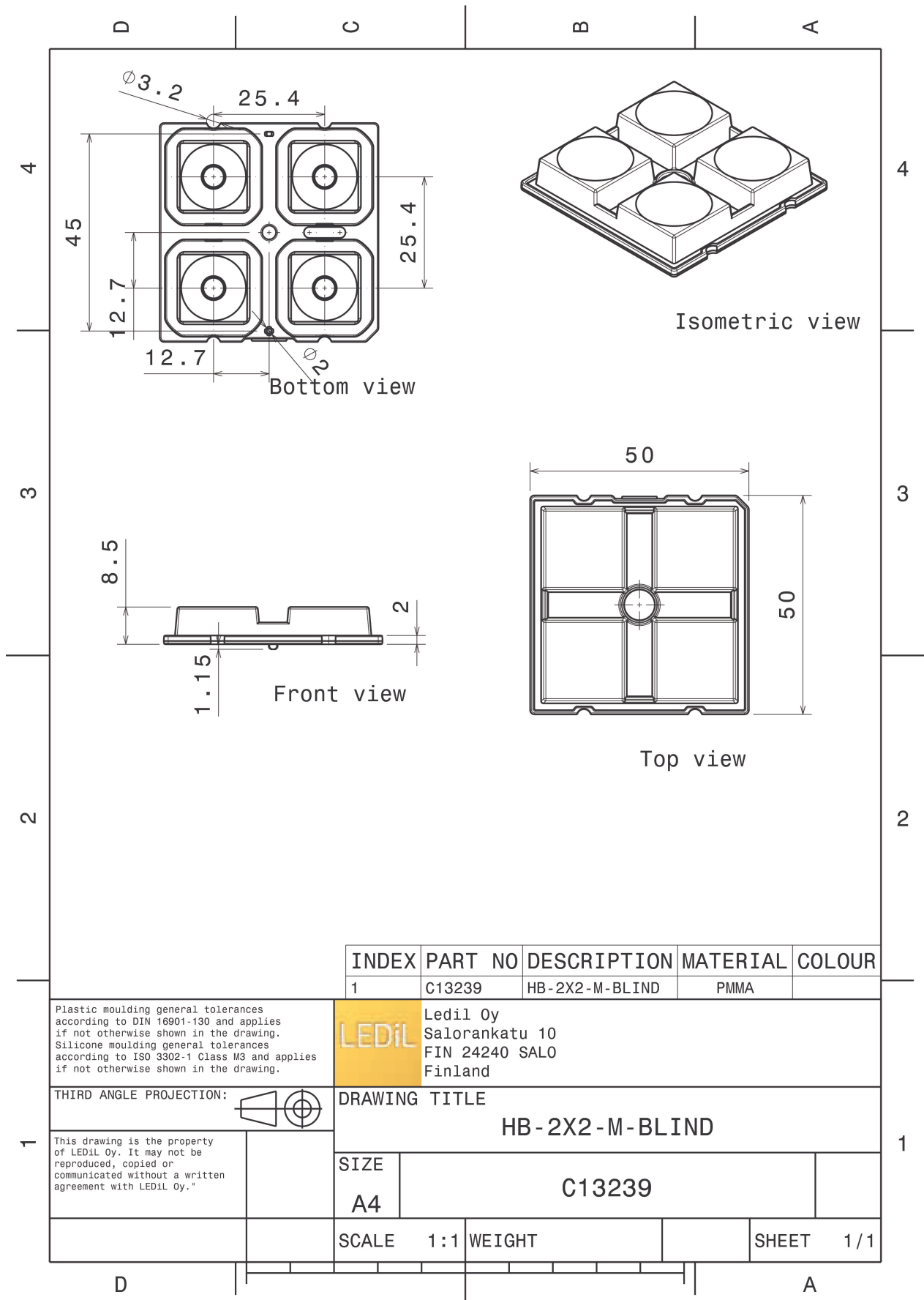
MATERIALS:

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
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Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
HB-2X2-M-BLIND

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SIZE
A4 **C13239**

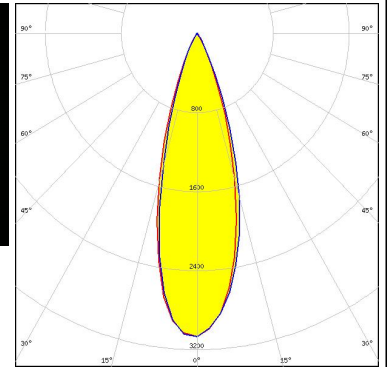
SCALE 1:1 WEIGHT SHEET 1/1

See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

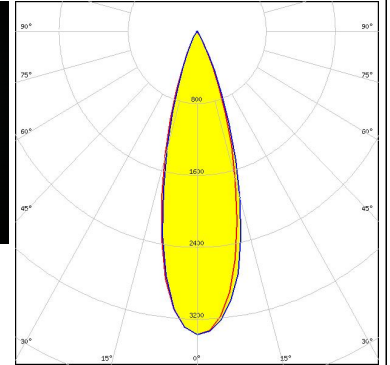
CREE LED

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:



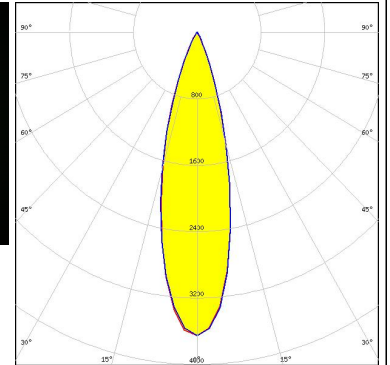
CREE LED

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:



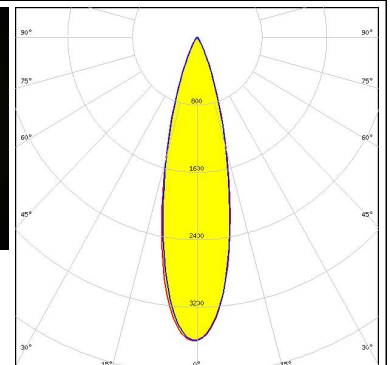
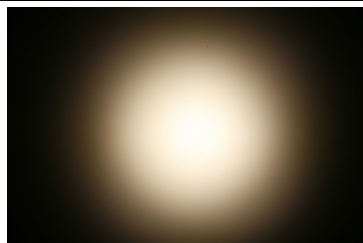
CREE LED

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:



LUMILEDS

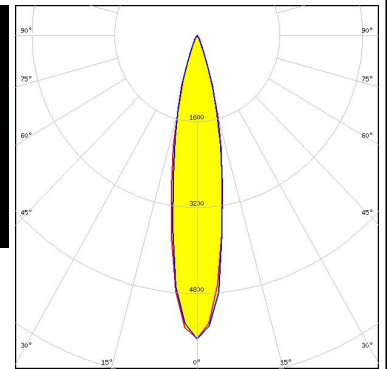
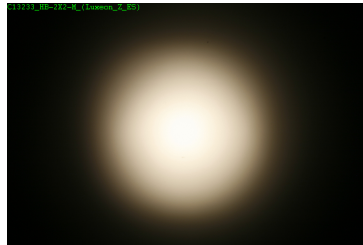
LED LUXEON Q
 FWHM / FWTM 26.0° / 49.0°
 Efficiency 94 %
 Peak intensity 3.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

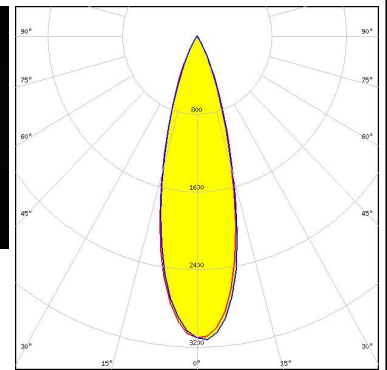
LUMILEDS

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



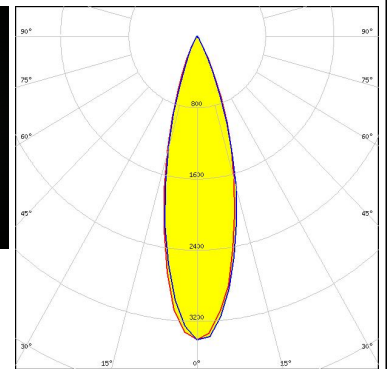
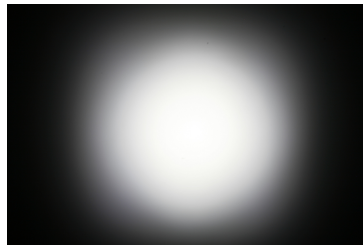
NICHIA

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



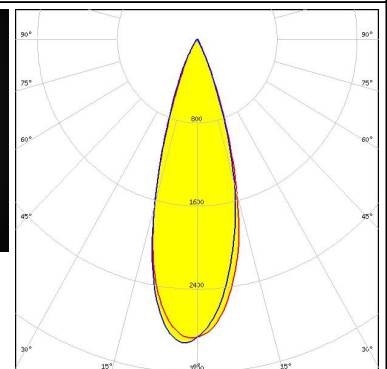
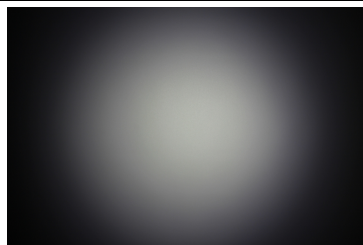
OSRAM

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


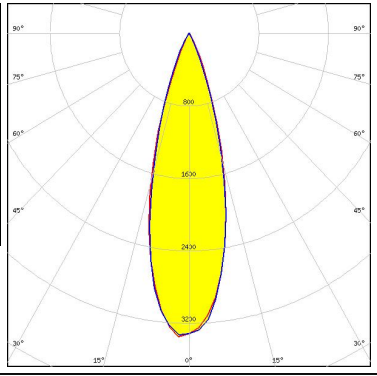
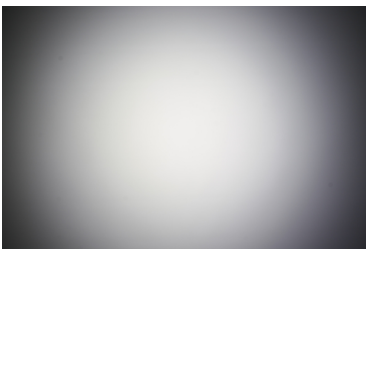
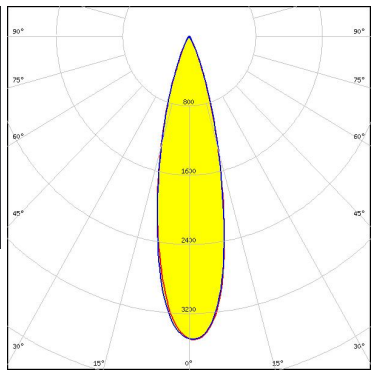

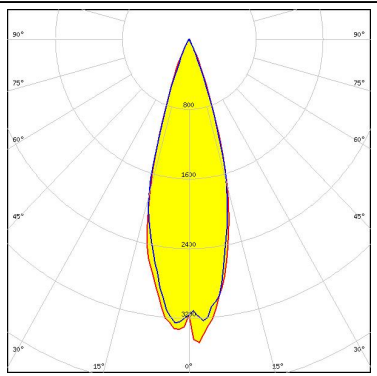

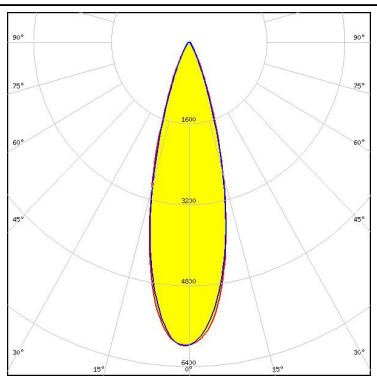


SAMSUNG

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



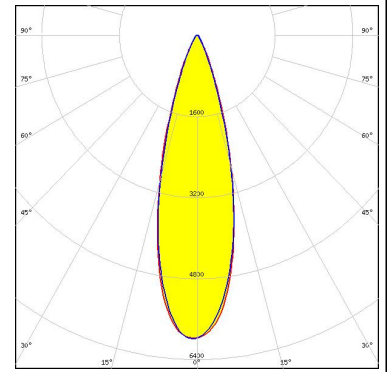
OPTICAL RESULTS (MEASURED):

<p>SEOL 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>TOSHIBA Leading Innovation >>></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>TRIDONIC</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>TRIDONIC</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):

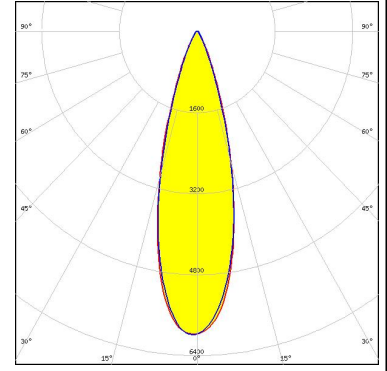
TRIDONIC

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:



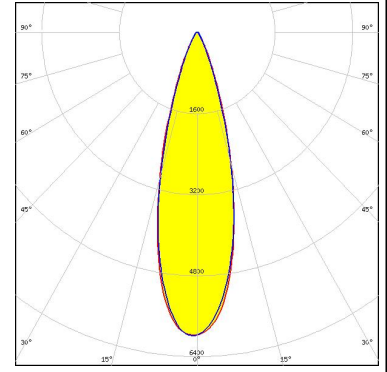
TRIDONIC

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

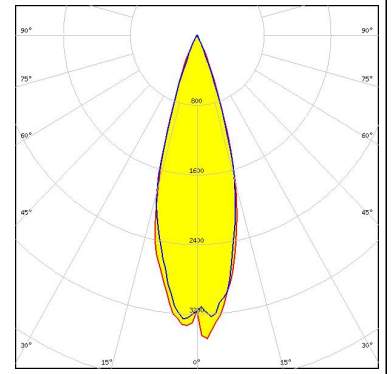
LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM / FWTM 29.0° / 53.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:	



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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