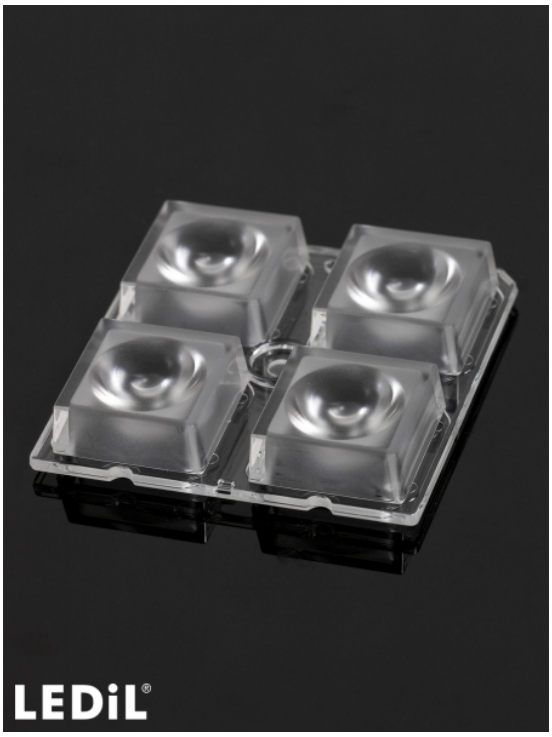
HB-2X2-M-BLIND

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



TECHNICAL SPECIFICATIONS:

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

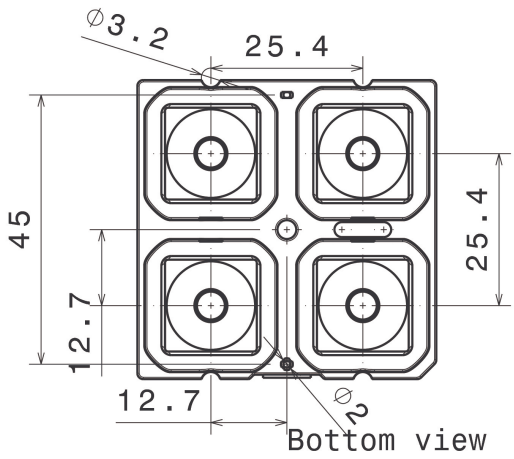
MATERIAL SPECIFICATIONS:

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

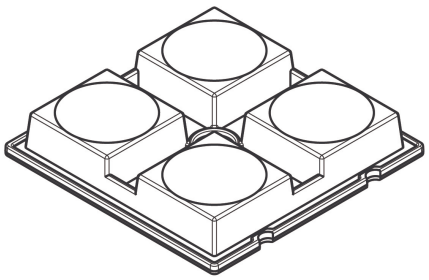
ORDERING INFORMATION:

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

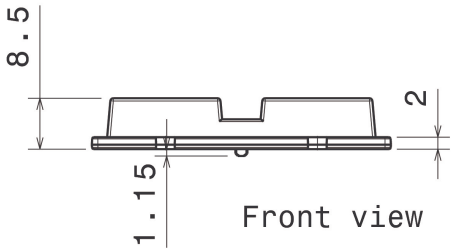
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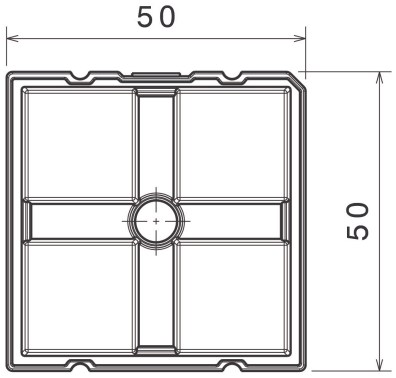
Bottom view



Isometric view



Front view



Top view

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 Oy
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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

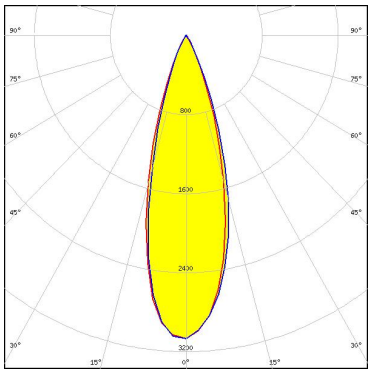
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PHOTOMETRIC DATA (MEASURED):

CREE LED

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

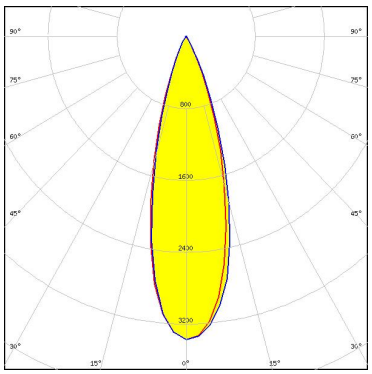




CREE LED

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

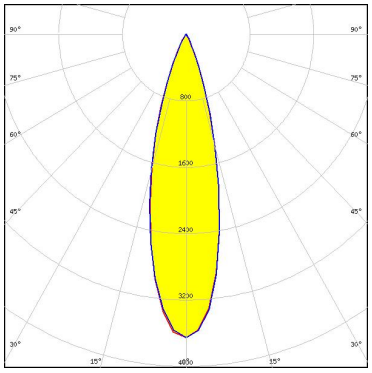




CREE LED

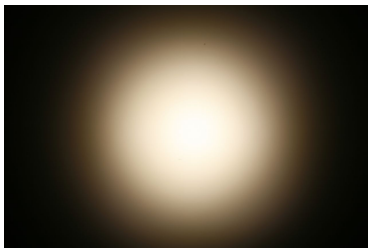
LED	XT-E
FWHM / FWTM	25.0° / 46.0°
Efficiency	92 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

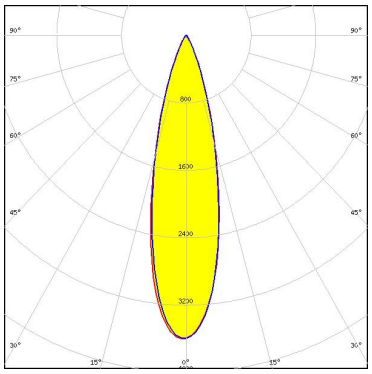




LUMILEDS

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



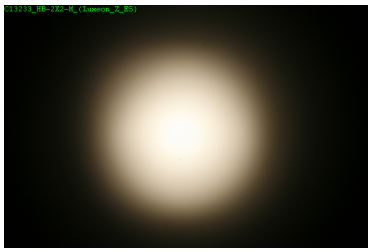


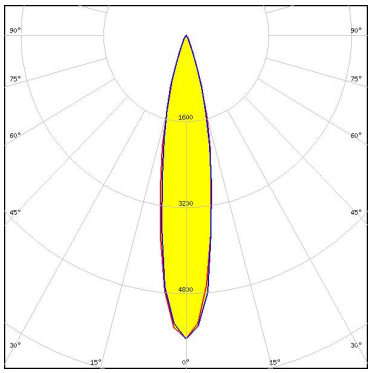
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PHOTOMETRIC DATA (MEASURED):

LUMILEDS

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

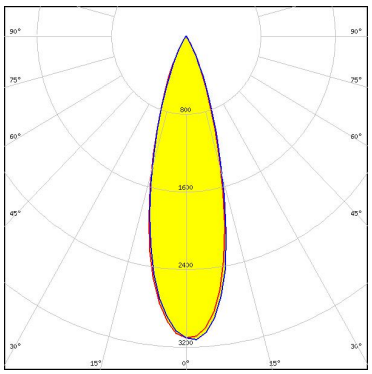




NICHIA

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

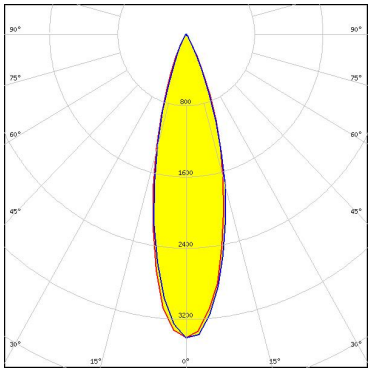




OSRAM
Opto Semiconductors

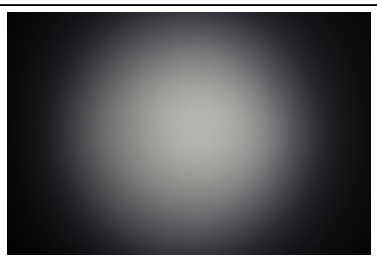
LED	OSLON Square PC
FWHM / FWTM	30.0° / 54.0°
Efficiency	91 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

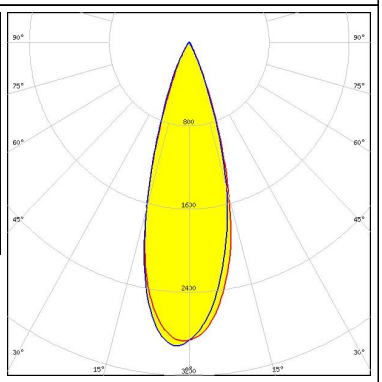




SAMSUNG

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





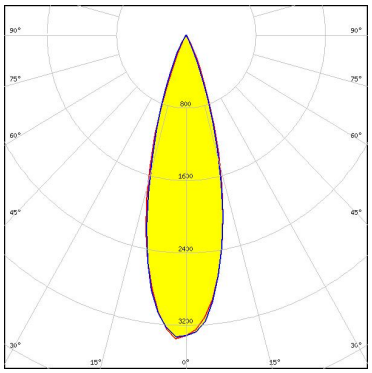
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PHOTOMETRIC DATA (MEASURED):

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	White
Required components:	

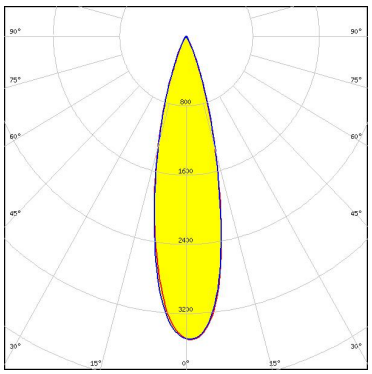




TOSHIBA
Leading Innovation

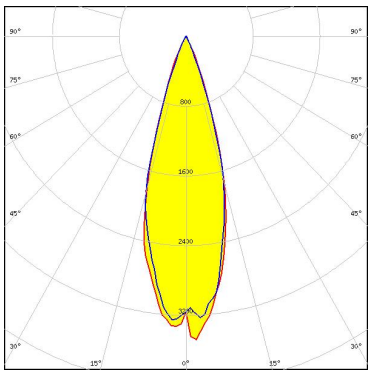
LED	TL1L4
FWHM / FWTM	25.0° / 46.0°
Efficiency	85 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





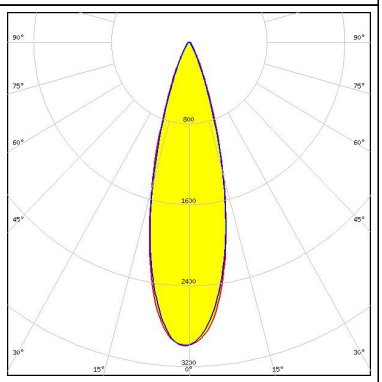
TRIDONIC

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	White
Required components:	



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	White
Required components:	



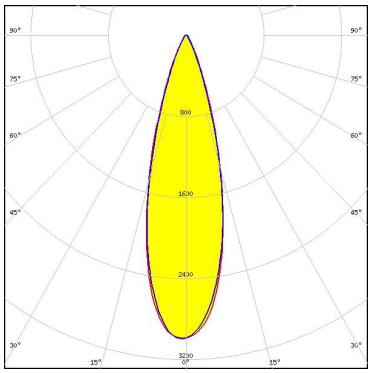
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PHOTOMETRIC DATA (MEASURED):

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

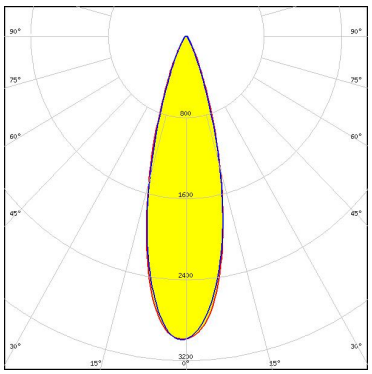
Required components:



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

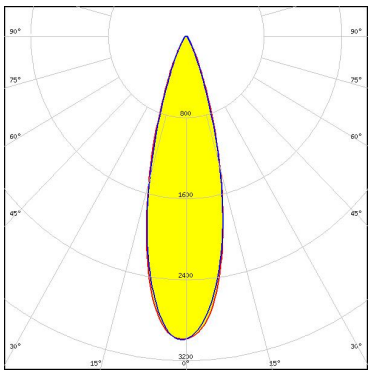
Required components:



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:

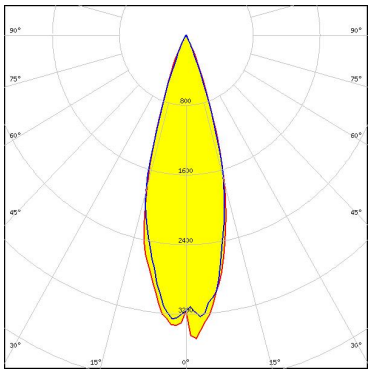


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PHOTOMETRIC DATA (SIMULATED):

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:	



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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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