HB-2X2-W-PC

~50° wide beam. Variant made from PC.

SPECIFICATION:

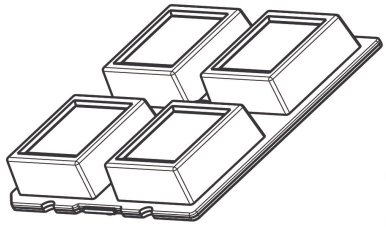
Dimensions	50.0 x 50.0 mm
Height	8.5 mm
Fastening	pin, screw
ROHS compliant	yes

MATERIALS:

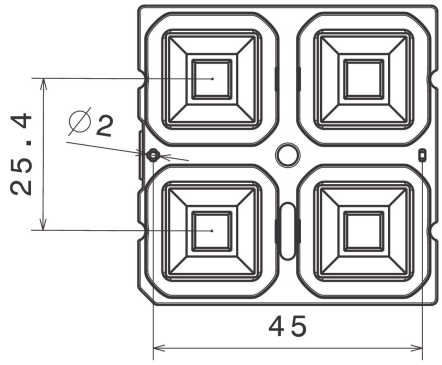
Component	Type	Material	Colour	Finish
HB-2X2-W-PC	Multi-lens	PC	clear	

ORDERING INFORMATION:

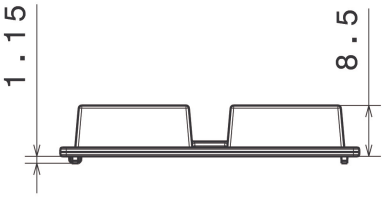
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14406_HB-2X2-W-PC » Box size: 480 x 280 x 300 mm	800	160	160	9.1



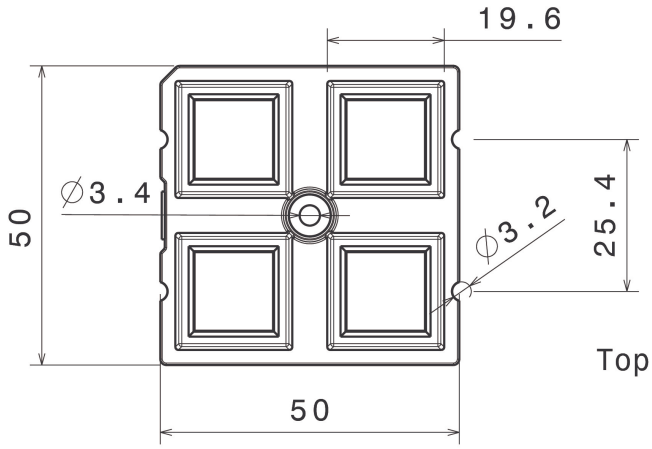
Isometric view



Bottom view



Front view



Top view

MATERIALS
Lens: PC

M3 screw
recommended for
fastening

Fastening also
with glue

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.

THIRD ANGLE PROJECTION:

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
Datasheet HB-2x2 Lens module

SIZE	PART NUMBER
A4	C14406

SCALE	WEIGHT		SHEET
1:1	10,5 g		1/1

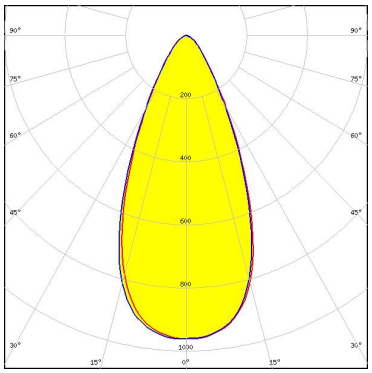
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XT-E
FWHM / FWTM	47.0° / 85.0°
Efficiency	75 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

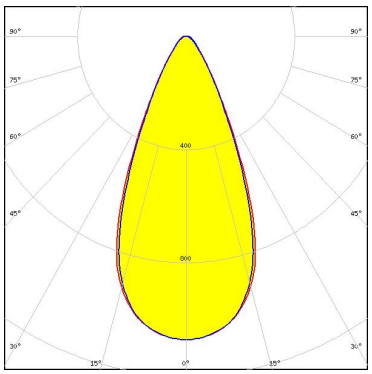
Required components:



OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	48.0° / 79.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

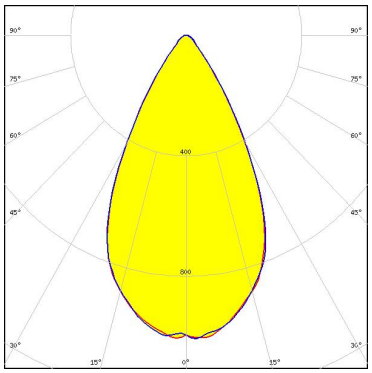
Required components:



OPTICAL RESULTS (SIMULATED):

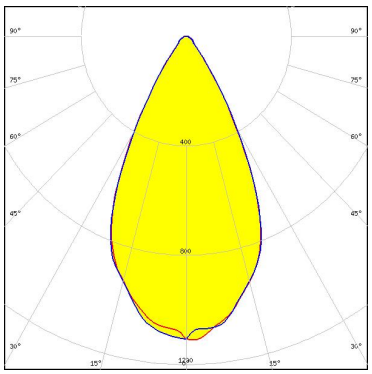
LUMILEDS

LED	LUXEON 5050 Round LES
FWHM / FWTM	56.0° / 82.0°
Efficiency	89 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



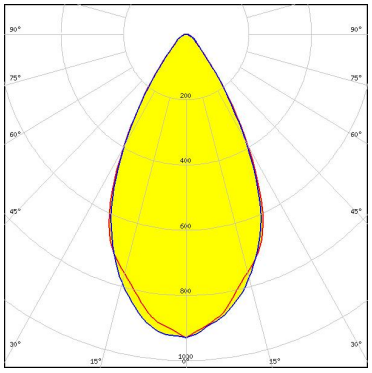
NICHIA

LED	NV4WB35AM
FWHM / FWTM	54.0° / 78.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



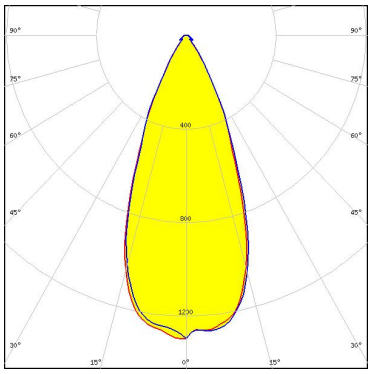
OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	56.0° / 86.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

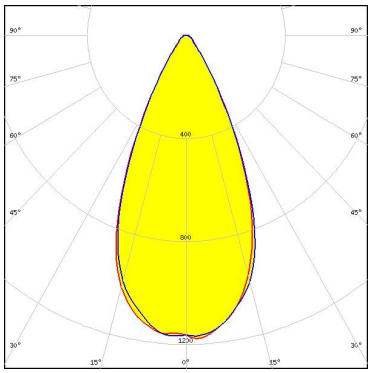
LED	OSCONIQ C 2424
FWHM / FWTM	42.0 + 43.0° / 68.0 + 69.0°
Efficiency	90 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH231B
FWHM / FWTM	48.0° / 76.0°
Efficiency	90 %
Peak intensity	1.2 cd/lm
LEDs/each optic	4
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:

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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