ZOE-30-ZOOM

Ø30 mm zoomable lens with infinitely adjustable beam from 13 to 42 degrees



SPECIFICATION:

Dimensions	Ø 31.6 mm
Height	20.3 mm
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
C17716_ZOE-30-ZOOM	Single lens	PMMA	clear	
C17717_ZOE-30-ZOOM-SUB	Sublens	PC	clear	

ORDERING INFORMATION:

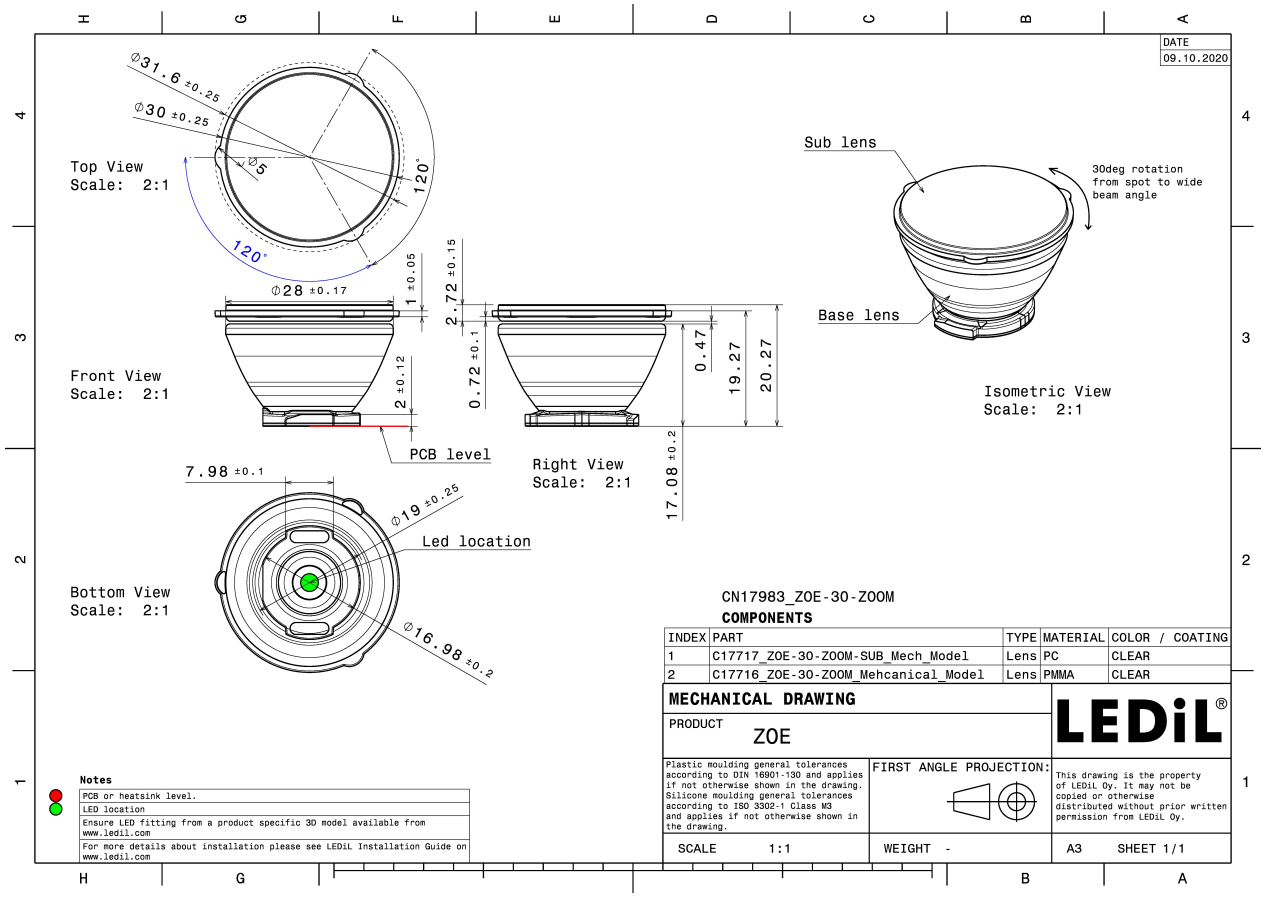
Quantities for one set:

Single lens	1
Sublens	1

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Component		Qty in box	MOQ	MPQ	Box weight (kg)
C17716_ZOE-30-ZOOM » Box size: 480 x 280 x 300 mm	Single lens	1560	104	104	12.1
C17717_ZOE-30-ZOOM-SUB » Box size: 480 x 280 x 115 mm	Sublens	1560	104	104	3.6

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CN17983_ZOE-30-ZOOM

COMPONENTS

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C17717_ZOE-30-ZOOM-SUB_Mech_Model	Lens	PC	CLEAR
2	C17716_ZOE-30-ZOOM_Mehcanical_Model	Lens	PMMA	CLEAR

MECHANICAL DRAWING

PRODUCT ZOE

LEDiL®

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.

FIRST ANGLE PROJECTION:

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SCALE 1:1 | WEIGHT - | A3 SHEET 1/1

Notes

PCB or heatsink level.
LED location
Ensure LED fitting from a product specific 3D model available from www.ledil.com
For more details about installation please see LEDiL Installation Guide on www.ledil.com

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

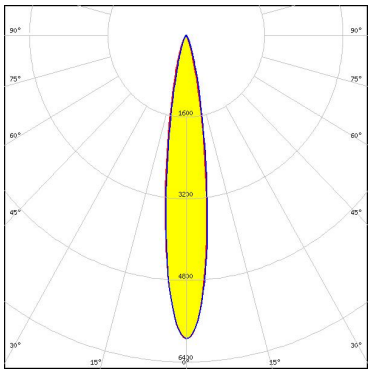
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OPTICAL RESULTS (MEASURED):

CREE LEDs

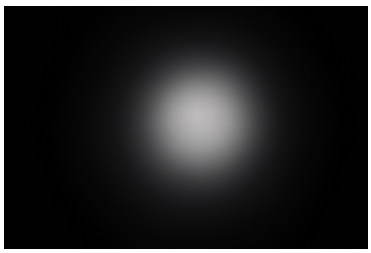
LED	XHP50.3 HI
FWHM / FWTM	16.0 + 43.0° / 34.0 + 67.0°
Efficiency	76 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

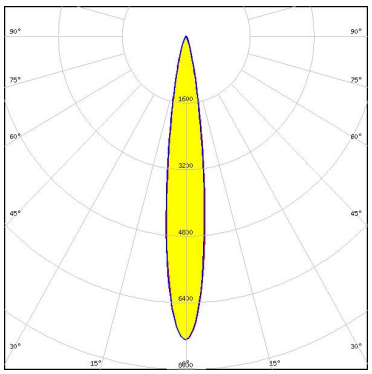




CREE LEDs

LED	XM-L3
FWHM / FWTM	15.0 + 43.0° / 31.0 + 64.0°
Efficiency	78 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

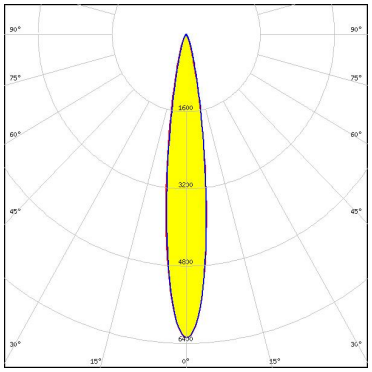




CREE LEDs

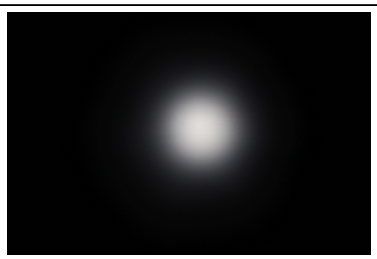
LED	XP-L2
FWHM / FWTM	16.0 + 43.0° / 32.0 + 66.0°
Efficiency	75 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

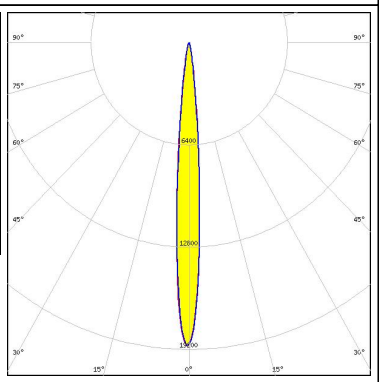




CREE LEDs

LED	XP-P
FWHM / FWTM	9.0 + 40.0° / 19.0 + 57.0°
Efficiency	80 %
Peak intensity	19 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





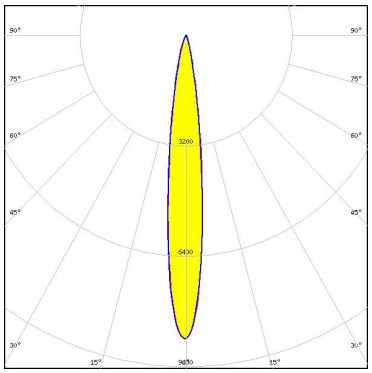
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OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	14.0 + 42.0° / 29.0 + 61.0°
Efficiency	80 %
Peak intensity	8.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

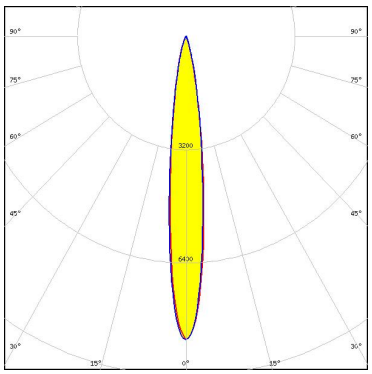




LUMILEDS

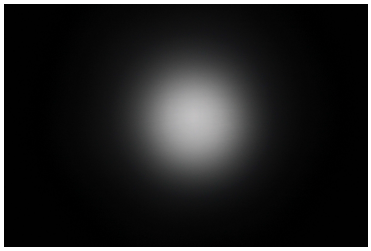
LED	LUXEON HL2Z
FWHM / FWTM	13.0 + 41.0° / 29.0 + 61.0°
Efficiency	78 %
Peak intensity	8.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

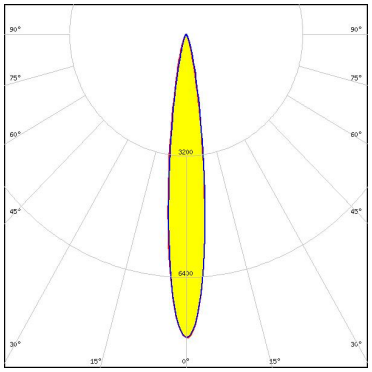




NICHIA

LED	NVSW319B
FWHM / FWTM	14.0 + 43.0° / 30.0 + 64.0°
Efficiency	80 %
Peak intensity	8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

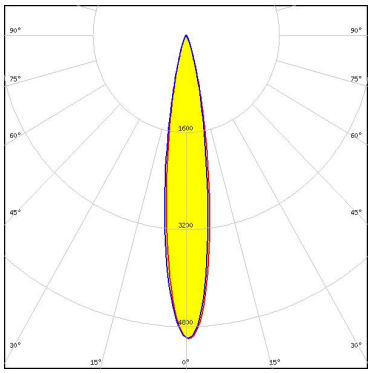




NICHIA

LED	NVSW519A
FWHM / FWTM	17.0 + 43.0° / 35.0 + 65.0°
Efficiency	68 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





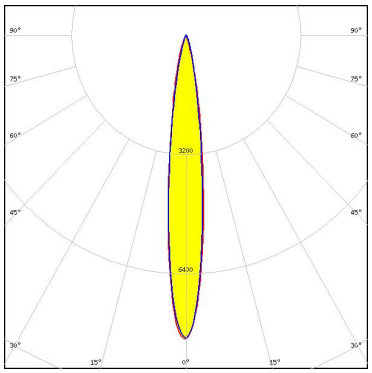
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OPTICAL RESULTS (MEASURED):

NICHIA

LED	NVSxE21A
FWHM / FWTM	14.0 + 41.0° / 29.0 + 63.0°
Efficiency	76 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

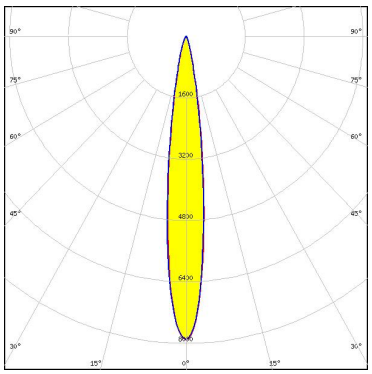




OSRAM
Opto Semiconductors

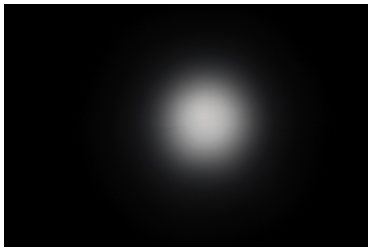
LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	14.0 + 42.0° / 30.0 + 63.0°
Efficiency	78 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

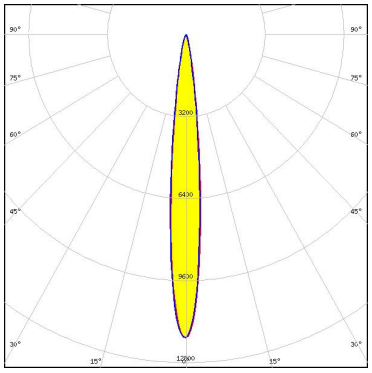




OSRAM
Opto Semiconductors

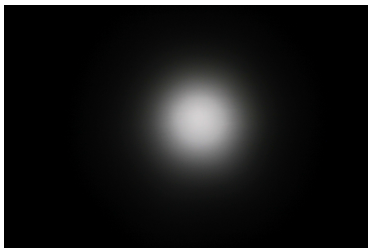
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	12.0 + 41.0° / 24.0 + 60.0°
Efficiency	78 %
Peak intensity	11.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

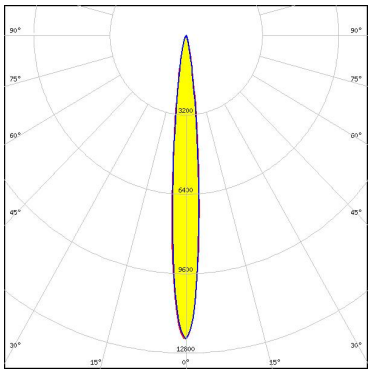




OSRAM
Opto Semiconductors

LED	OSLON Square Flat
FWHM / FWTM	10.0 + 41.0° / 23.0 + 61.0°
Efficiency	75 %
Peak intensity	12.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



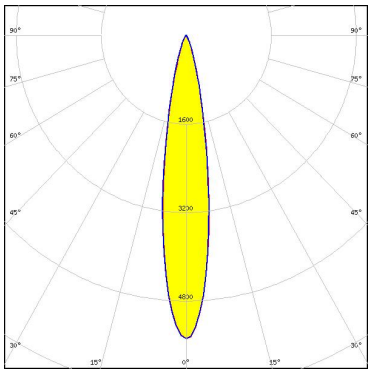


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OPTICAL RESULTS (SIMULATED):

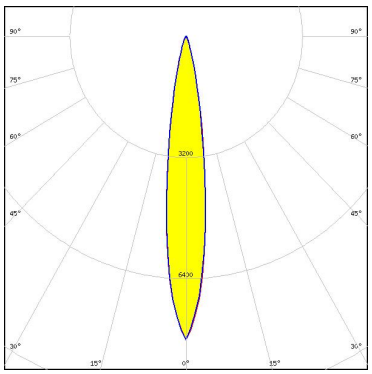
CREE LEDs

LED	XHP35 HD
FWHM / FWTM	18.0 + 40.0° / 37.0 + 67.0°
Efficiency	80 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



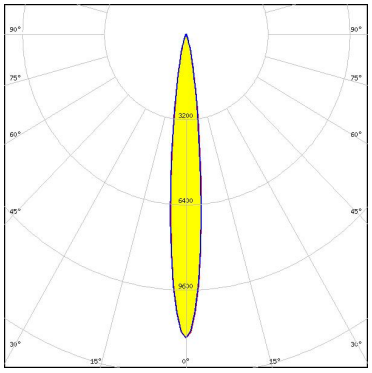
CREE LEDs

LED	XHP35.2 HI
FWHM / FWTM	16.0 + 38.0° / 31.0 + 62.0°
Efficiency	92 %
Peak intensity	8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



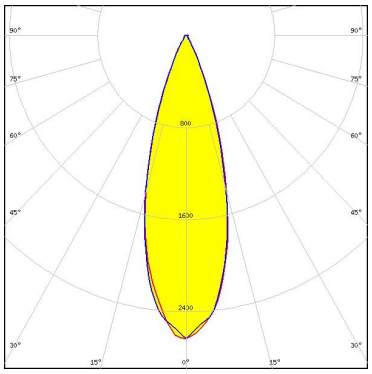
CREE LEDs

LED	XP-L HI
FWHM / FWTM	12.0 + 40.0° / 26.0 + 63.0°
Efficiency	84 %
Peak intensity	11.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMINUS

LED	SST-40
FWHM / FWTM	16.0 + 40.0° / 34.0 + 66.0°
Efficiency	90 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

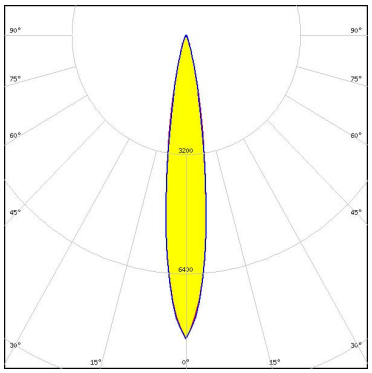


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OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NV4WB35AM
FWHM / FWTM	16.0 + 38.0° / 30.0 + 60.0°
Efficiency	92 %
Peak intensity	8.2 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:

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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