CRYSTAL-MINE

~4.9° spot beam especially designed for mining headlamps



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 46.8 mm
Height	27.4 mm
Fastening	snaps
ROHS compliant	yes

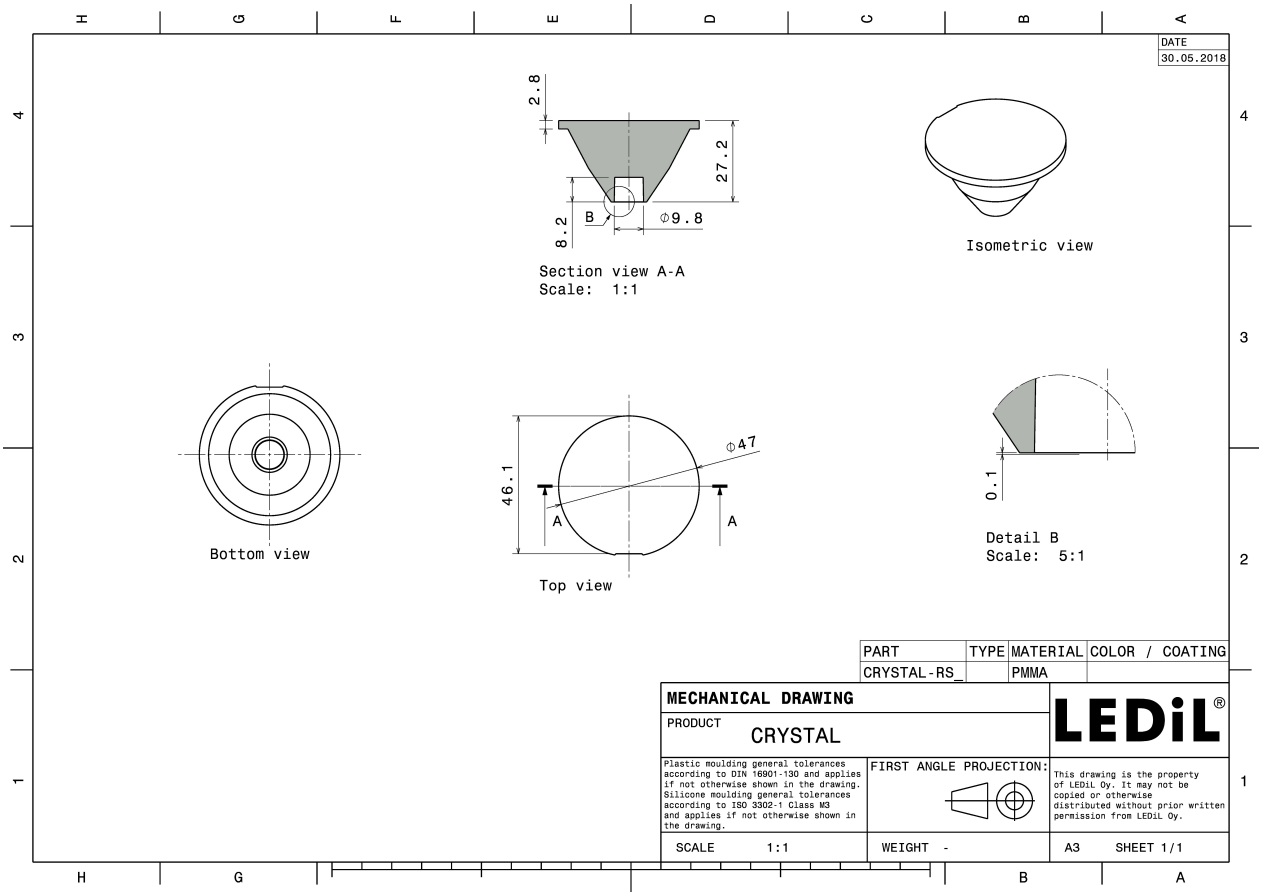
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
CRYSTAL-MINE	Single lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F12985_CRYSTAL-MINE » Box size: 480 x 280 x 300 mm	288	64	32	7.1

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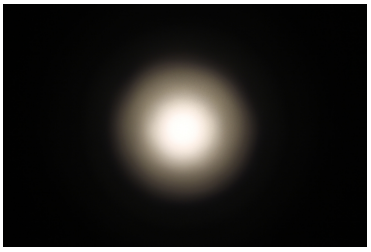


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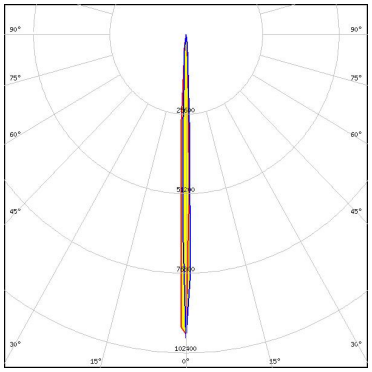
CREE

LED	XM-L2
FWHM	6.9°
Efficiency	90 %
Peak intensity	35 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



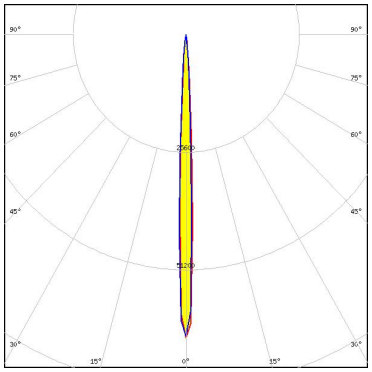
CREE

LED	XP-E
FWHM	3.0°
Efficiency	92 %
Peak intensity	96 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



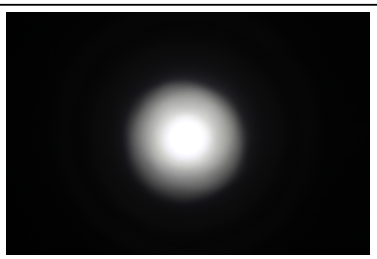
CREE

LED	XP-G
FWHM	4.7°
Efficiency	90 %
Peak intensity	66.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

LED	XP-G2
FWHM	4.6°
Efficiency	90 %
Peak intensity	65.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

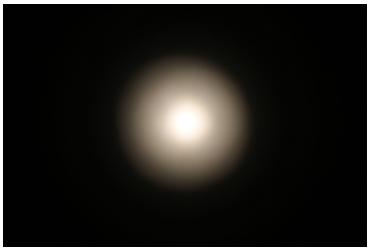


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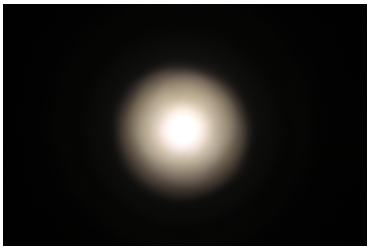
LUMILEDS

LED	LUXEON A
FWHM	4.9°
Efficiency	89 %
Peak intensity	58.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



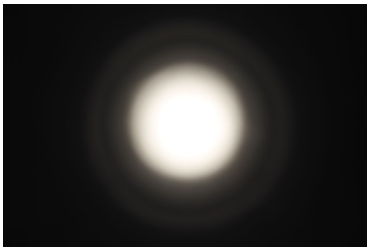
LUMILEDS

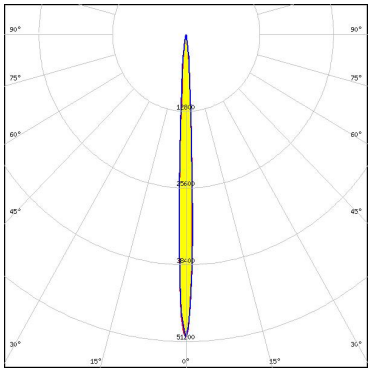
LED	LUXEON T
FWHM	4.9°
Efficiency	89 %
Peak intensity	55.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

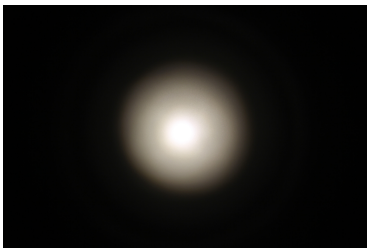
LED	LUXEON TX
FWHM	5.0°
Efficiency	94 %
Peak intensity	50.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





NICHIA

LED	NCSxx19B
FWHM	3.6°
Efficiency	90 %
Peak intensity	73.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

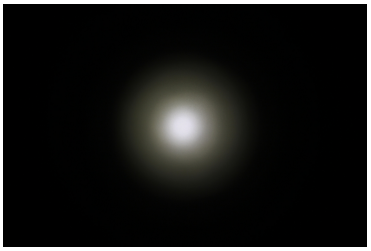


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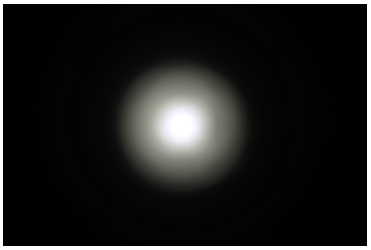
SAMSUNG

LED	LH351B
FWHM	5.1°
Efficiency	90 %
Peak intensity	51.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH351Z
FWHM	4.2°
Efficiency	90 %
Peak intensity	71.4 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:

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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