

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	Туре	Material	Colour	Finish
CRYSTAL-MINE	Single lens	PMMA	clear	

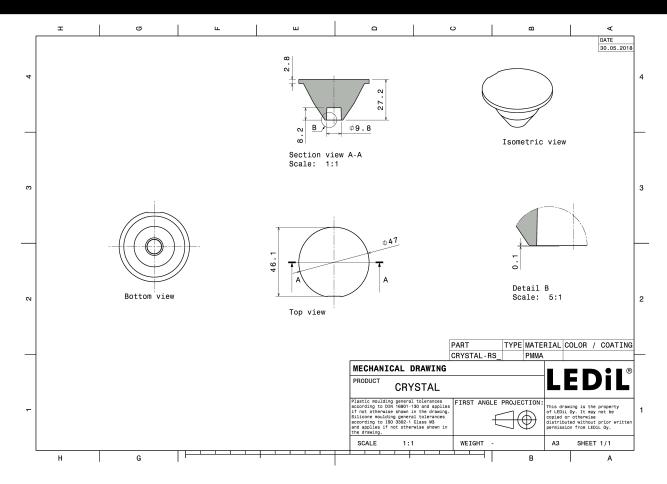
ORDERING INFORMATION:

ComponentQty in boxMOQMPQBox weight (kg)F12985_CRYSTAL-MINE28864327.1

» Box size: 480 x 280 x 300 mm



PRODUCT DATASHEET F12985_CRYSTAL-MINE



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



PHOTOMETRIC DATA (MEASURED):

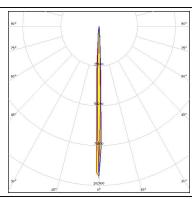
CREE \$\text{LED}

LED XM-L2
FWHM / FWTM 6.9° / 15.0°
Efficiency 90 %
Peak intensity 35 cd/lm
LEDs/each optic 1
Light colour White
Required components:



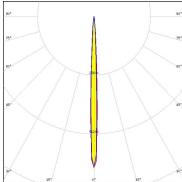
CREE - LED

LED XP-E
FWHM / FWTM 3.0° / 7.9°
Efficiency 92 %
Peak intensity 96 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE \$\(\phi\) LED

LED XP-G
FWHM / FWTM 4.7° / 10.5°
Efficiency 90 %
Peak intensity 66.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE - LED

Required components:

LED XP-G2
FWHM / FWTM 4.6° / 12.0°
Efficiency 90 %
Peak intensity 65.2 cd/lm
LEDs/each optic 1
Light colour White





PHOTOMETRIC DATA (MEASURED):

MUMILEDS

LED LUXEON A
FWHM / FWTM 4.9° / 13.0°
Efficiency 89 %
Peak intensity 58.2 cd/lm
LEDs/each optic 1
Light colour White



MUMILEDS

Required components:

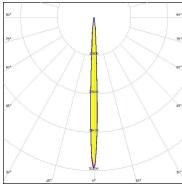
LED LUXEON T
FWHM / FWTM 4.9° / 13.0°
Efficiency 89 %
Peak intensity 55.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



DIVIDITY LUMILEDS

LED LUXEON TX
FWHM / FWTM 5.0° / 12.6°
Efficiency 94 %
Peak intensity 50.6 cd/lm
LEDs/each optic 1
Light colour White





WNICHIA

Required components:

LED NCSxx19B
FWHM / FWTM 3.6° / 12.0°
Efficiency 90 %
Peak intensity 73.3 cd/lm
LEDs/each optic 1
Light colour White

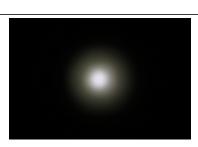




PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LH351B
FWHM / FWTM 5.1° / 13.0°
Efficiency 90 %
Peak intensity 51.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



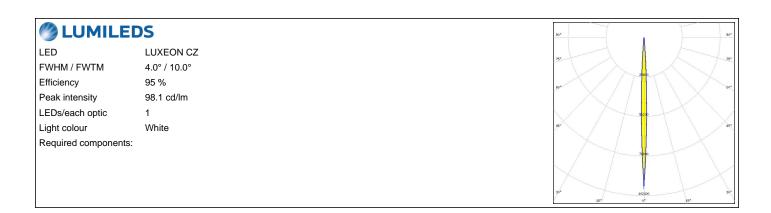
SAMSUNG

LED LH351Z
FWHM / FWTM 4.2° / 10.0°
Efficiency 90 %
Peak intensity 71.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:





PHOTOMETRIC DATA (SIMULATED):





PRODUCT DATASHEET F12985_CRYSTAL-MINE

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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LEDIL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

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LL01CR-AYG24R49 LL01A00CZMB2-M2 LL01ED-AKY38R49 LL01CR-CNE2545L06-M2 LL01ZZ-AAA38L49 LL01ED-AKV36R49
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