

## 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 ⓘ

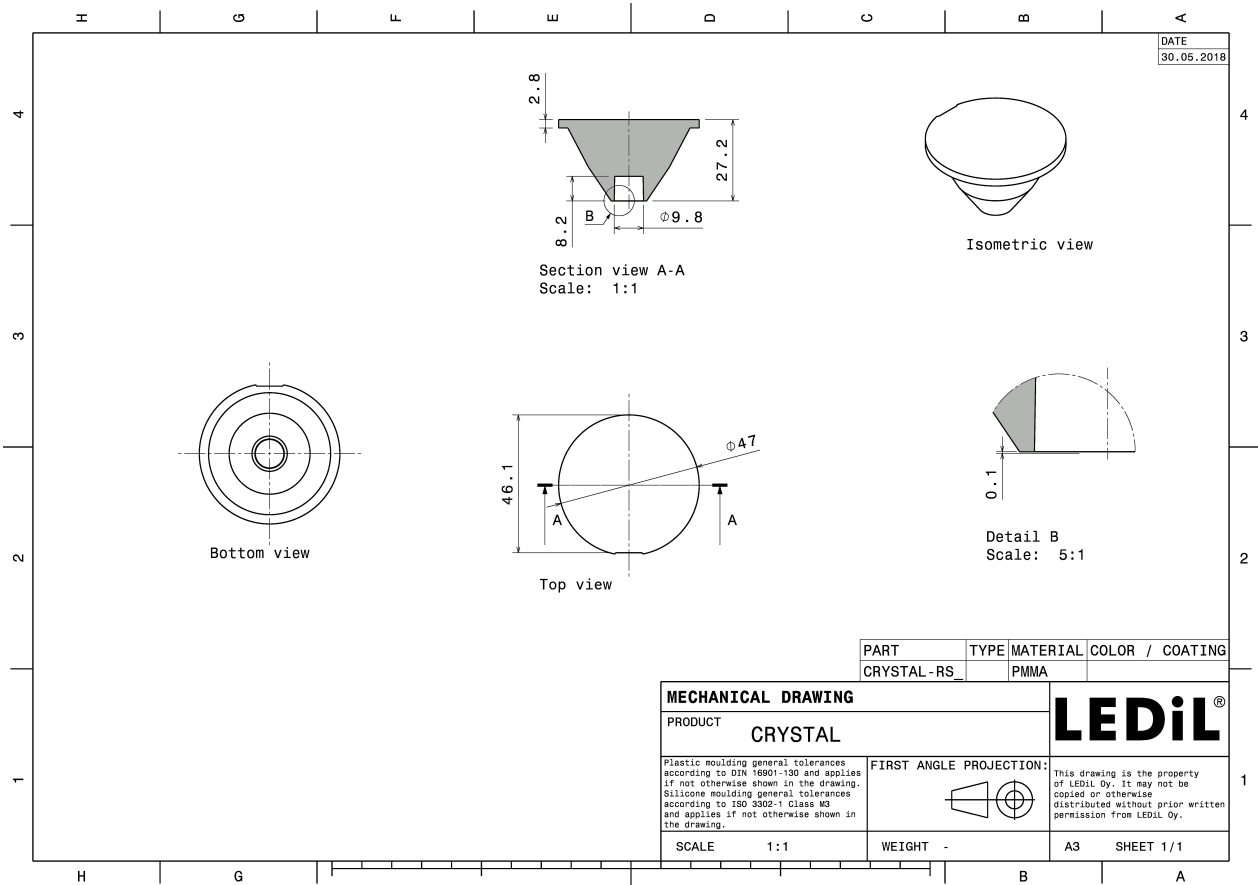
### MATERIAL SPECIFICATIONS:

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



### ORDERING INFORMATION:

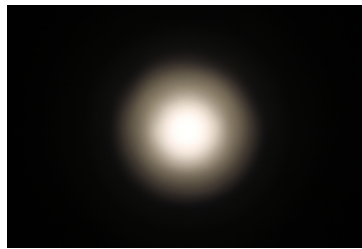
Component	Qty in box	MOQ	MPQ	Box weight (kg)
F12985_CRYSTAL-MINE » Box size: 480 x 280 x 300 mm	288	64	32	7.1



#### PHOTOMETRIC DATA (MEASURED):

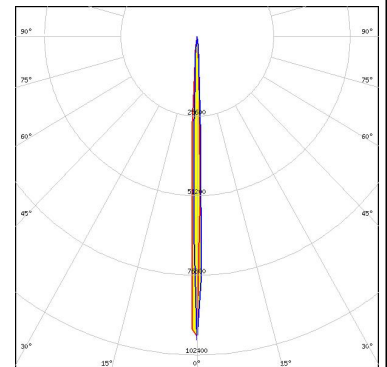
#### CREE

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



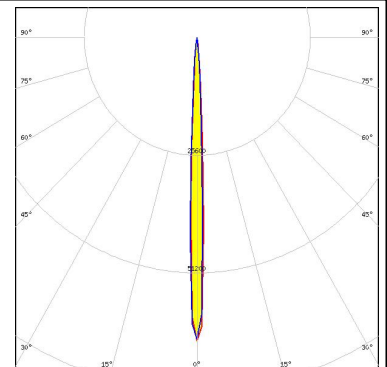
#### CREE

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

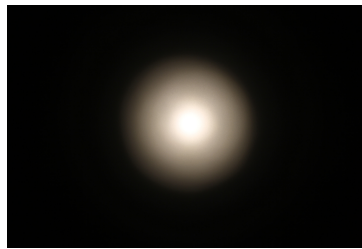
LED XP-G2  
 FWHM 4.6°  
 Efficiency 90 %  
 Peak intensity 65.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**PHOTOMETRIC DATA (MEASURED):**

**LUMILEDS**

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



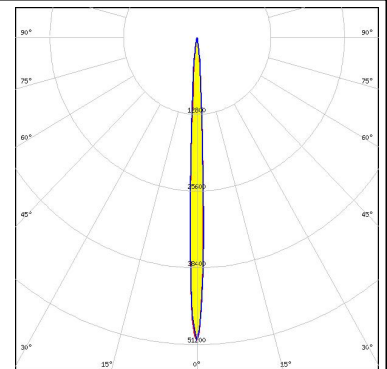
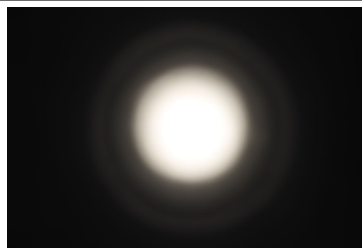
**LUMILEDS**

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



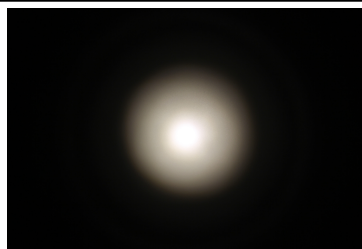
**LUMILEDS**

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



**NICHIA**

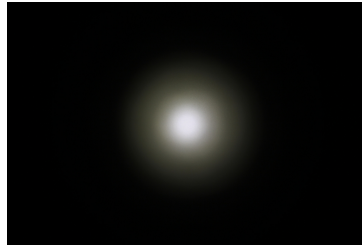
LED NCSxx19B  
FWHM 3.6°  
Efficiency 90 %  
Peak intensity 73.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (MEASURED):

### 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:



### 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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#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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