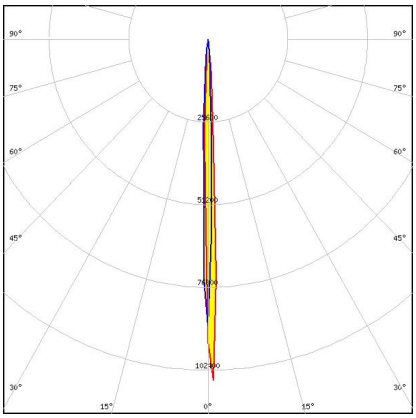
CRYSTAL

Ø50 mm lenses with 3° beam for spot- and searchlights for up to 7070 size LED packages

CRYSTAL and CRYSTAL-MINE lenses offer unsurpassed light quality for a variety of lighting applications. A narrow beam combined with over 90 % efficiency means more light for tough tasks in demanding environments. According to mining headlamp specifications CRYSTAL-MINE has 10 % additional illumination over the cut-off area. In comparison CRYSTAL is designed to have a tight uniform beam and a maximum candela peak.

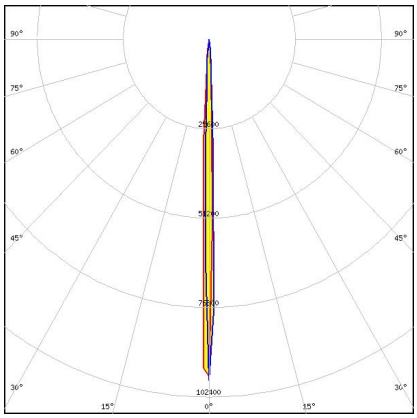
PRODUCTS:

F12916_CRYSTAL-RS



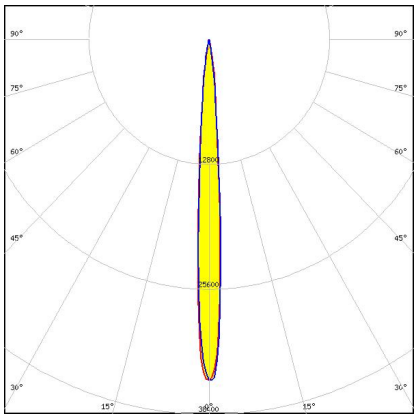
Dimensions: 46.8 mm x 46.8 mm
Height: 27.40 mm
~5.1° spot beam

F12985_CRYSTAL-MINE



Dimensions: 46.8 mm x 46.8 mm
Height: 27.40 mm
~4.9° spot beam especially designed for mining headlamps

FCN13552_CRYSTAL-RS

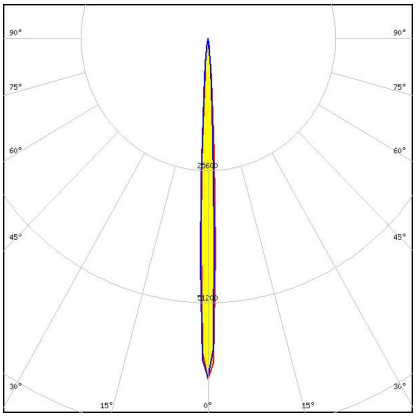


Dimensions: 49.7 mm x 49.7 mm
Height: 28.70 mm
~5.1° spot beam. Assembly with holder.

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PRODUCTS:

FCN13595_CRYSTAL-MINE



Dimensions: 50.3 mm x 50.3 mm
Height: 28.70 mm
~4.9° spot beam especially designed for mining headlamps. Assembly with holder.

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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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