

CRYSTAL-MINE

~4.9° spot beam especially designed for mining headlamps

SPECIFICATION:

Dimensions Ø 46.8 mm
Height 27.4 mm
Fastening snaps
ROHS compliant yes ①



ComponentTypeMaterialColourFinishCRYSTAL-MINESingle lensPMMAclear

ORDERING INFORMATION:

Component

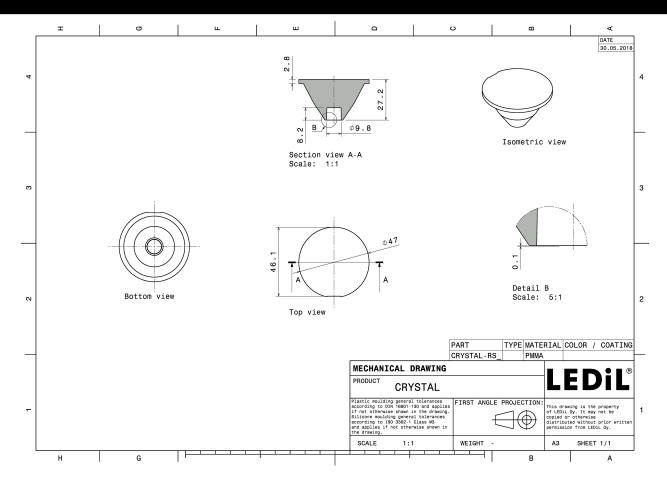
F12985_CRYSTAL-MINE

» Box size: 480 x 280 x 300 mm

Qty in box MOQ MPQ Box weight (kg) 288 64 32 7.1



PRODUCT DATASHEET F12985_CRYSTAL-MINE



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



OPTICAL RESULTS (MEASURED):

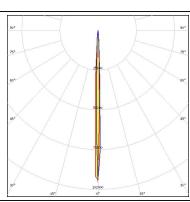
CREE -

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 \$

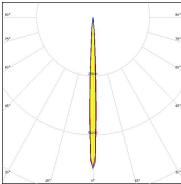
LED XP-E
FWHM / FWTM 3.0° / 7.9°
Efficiency 92 %
Peak intensity 96 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE -

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





OPTICAL RESULTS (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:

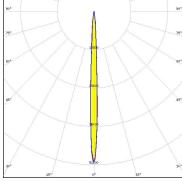
LED LUXEON T
FWHM / FWTM 4.9° / 13.0°
Efficiency 89 %
Peak intensity 55.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:

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





OPTICAL RESULTS (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



SAMSUNG

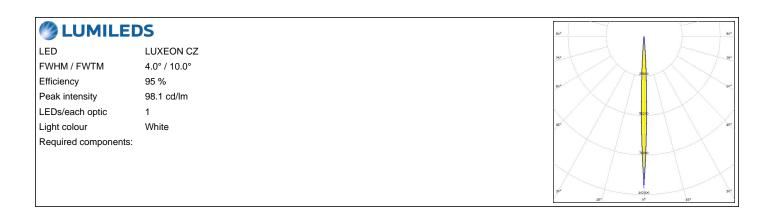
Required components:

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:





OPTICAL RESULTS (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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