

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 10

MATERIAL SPECIFICATIONS:

ComponentTypeCRYSTAL-MINESingle lens

LEDIL

MaterialColourFinishPMMAclear

ORDERING INFORMATION:

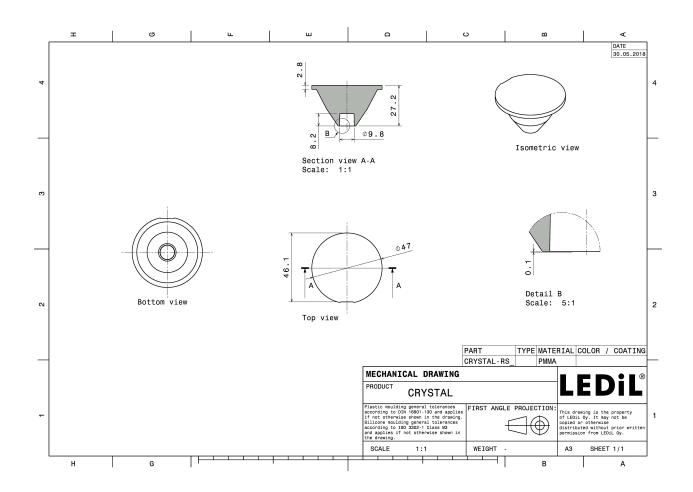
Component

F12985_CRYSTAL-MINE

» Box size: 480 x 280 x 300 mm

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





PHOTOMETRIC DATA (MEASURED):

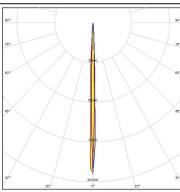
CREE \$

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



CREE 🕏

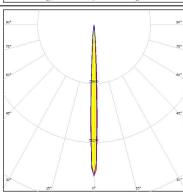
LED XP-E
FWHM 3.0°
Efficiency 92 %
Peak intensity 96 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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):

MUMILEDS

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



MUMILEDS

Required components:

LED LUXEON T
FWHM 4.9°
Efficiency 89 %
Peak intensity 55.1 cd/lm

LEDs/each optic 1 Light colour White Required components:



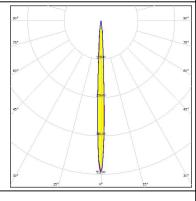
MUMILEDS

LED LUXEON TX

FWHM 5.0° Efficiency 94 % Peak intensity 50.6 cd/lm

LEDs/each optic 1 Light colour White Required components:





WNICHIA

LED NCSxx19B FWHM 3.6° Efficiency 90 % Peak intensity 73.3 cd/lm

LEDs/each optic 1
Light colour White
Required components:



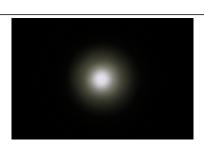


PHOTOMETRIC DATA (MEASURED):

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:

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