

CRYSTAL-MINE

~4.9° spot beam especially designed for mining headlamps

TECHNICAL SPECIFICATIONS:

Dimensions Ø 46.8 mm

Height 27.4 mm

Fastening snaps

Colour clear

Box size 480 x 280 x 300 mm

Box weight 7.1 kg Quantity in Box 288 pcs

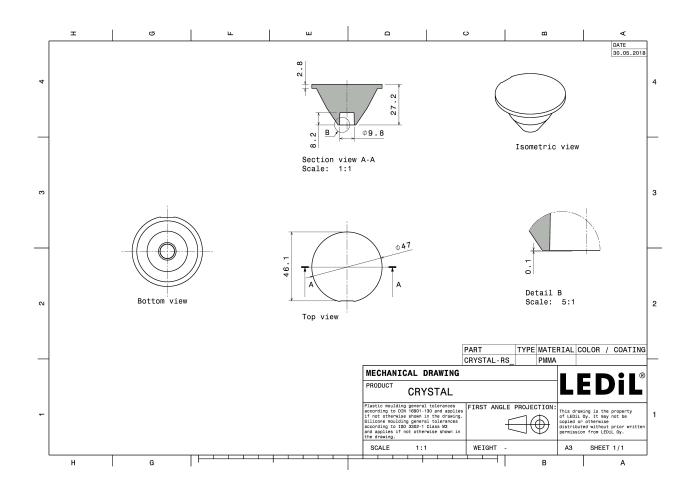
ROHS compliant yes 🕕



MATERIAL SPECIFICATIONS:

Colour Component **Type** Material CRYSTAL-MINE Lens **PMMA** clear





PHOTOMETRIC DATA (MEASURED):

CREE \$

Efficiency

LED XM-L2 **FWHM** 6.9° 90 %

Peak intensity 35.000 cd/lm

Required components:



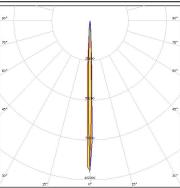
CREE ÷

LED XP-E **FWHM** 3.0°

Efficiency 92 %

Peak intensity 96.000 cd/lm

Required components:



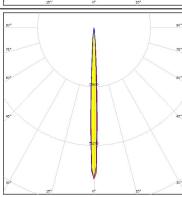
CREE ÷

LED XP-G

FWHM 4.7° Efficiency 90 %

Peak intensity 66.900 cd/lm

Required components:



CREE 🚓

LED XP-G2

FWHM 4.6° Efficiency 90 %

Peak intensity 65.200 cd/lm

Required components:



PHOTOMETRIC DATA (MEASURED):

MUMILEDS

LED LUXEON A

FWHM 4.9° Efficiency 89 %

Peak intensity 58.200 cd/lm Required components:



MUMILEDS

LED LUXEON T

FWHM 4.9° Efficiency 89 %

Peak intensity 55.100 cd/lm

Required components:



DESCRIPTION LUMILEDS

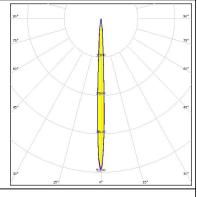
LED LUXEON TX

FWHM 5.0° Efficiency 94 %

Peak intensity 50.600 cd/lm

Required components:





WNICHIA

LED NCSxx19B

FWHM 3.6° Efficiency 90 %

Peak intensity 73.300 cd/lm

Required components:





PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LH351B

5.1°

Efficiency 90 %

FWHM

Peak intensity 51.770 cd/lm

Required components:



SAMSUNG

LED

LH351Z

FWHM

4.2°

Efficiency

90 %

Peak intensity 71.400 cd/lm

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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