

#### **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

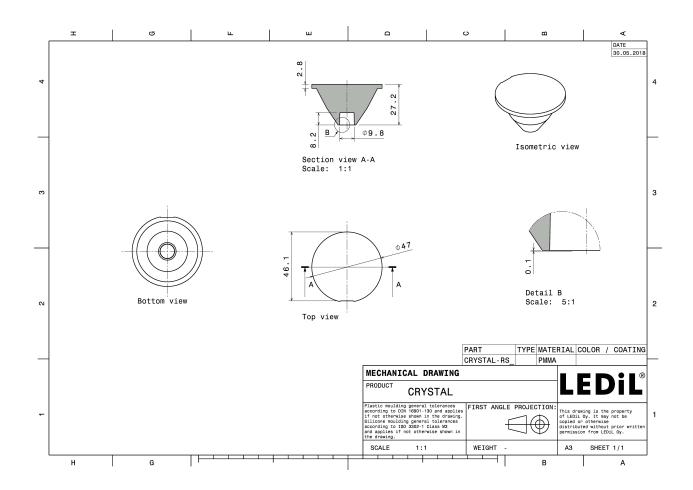
ROHS compliant yes 🕕



#### **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:



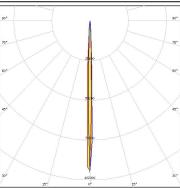
## CREE ÷

LED XP-E **FWHM** 3.0°

Efficiency 92 %

Peak intensity 96.000 cd/lm

Required components:



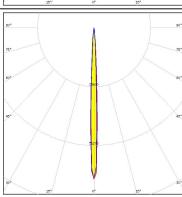
# CREE ÷

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

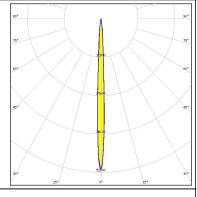
LED LUXEON TX

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:**

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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