

#### **CRYSTAL-MINE**

~4.9° spot beam especially designed for mining headlamps

#### **SPECIFICATION:**

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



#### **MATERIALS:**

ComponentTypeMaterialColourFinishLength (mm)CRYSTAL-MINESingle lensPMMAclear

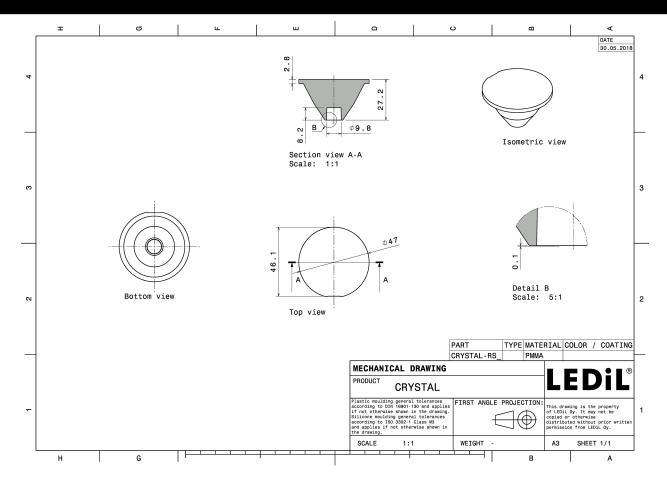
#### **ORDERING INFORMATION:**

ComponentQty in boxMOQMPQBox weight (kg)F12985 CRYSTAL-MINE28864327.1

F12985\_CRYSTAL-MINE 288 64 32 » Box size: 480 x 280 x 300 mm



# PRODUCT DATASHEET F12985\_CRYSTAL-MINE



See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>



# CREE -

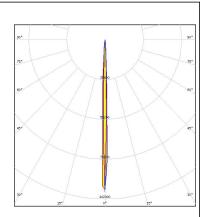
LED XM-L2
FWHM / FWTM 6.9° / 15.0°
Efficiency 90 %
Peak intensity 35 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

# CREE \$

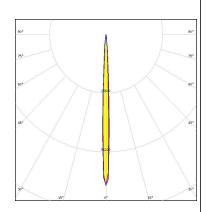
LED XP-E
FWHM / FWTM 3.0° / 7.9°
Efficiency 92 %
Peak intensity 96 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

# CREE -

LED XP-G
FWHM / FWTM 4.7° / 10.5°
Efficiency 90 %
Peak intensity 66.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files





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

Required components:



Light distribution files



LED LUXEON A
FWHM / FWTM 4.9° / 13.0°
Efficiency 89 %
Peak intensity 58.2 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

# **DESCRIPTION**

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



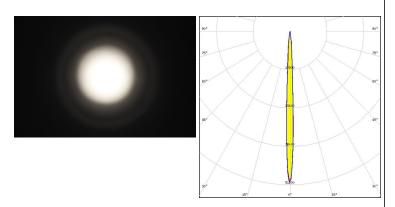
Light distribution files



# **DESCRIPTION**

LED LUXEON TX
FWHM / FWTM 5.0° / 12.6°
Efficiency 94 %
Peak intensity 50.6 cd/lm
LEDs/each optic 1

Light colour/type White Required components:



Light distribution files

# **WNICHIA**

LED NCSxx19B
FWHM / FWTM 3.6° / 12.0°
Efficiency 90 %
Peak intensity 73.3 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

# **SAMSUNG**

LED LH351B
FWHM / FWTM 5.1° / 13.0°
Efficiency 90 %
Peak intensity 51.8 cd/lm
LEDs/each optic 1

Light colour/type White Required components:



Light distribution files



# SAMSUNG

LED LH351Z
FWHM / FWTM 4.2° / 10.0°
Efficiency 90 %
Peak intensity 71.4 cd/lm
LEDs/each optic 1

White

Light colour/type

Required components:



Light distribution files

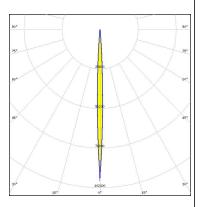


## **OPTICAL RESULTS (SIMULATED):**



LED LUXEON CZ
FWHM / FWTM 4.0° / 10.0°
Efficiency 95 %
Peak intensity 98.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



# 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.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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# Local sales and technical support

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

Poznan, Poland Hong Kong, China

#### **Distribution Partners**

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