

# **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 🛈



### **MATERIAL SPECIFICATIONS:**

ComponentTypeMaterialColourFinishCRYSTAL-MINESingle lensPMMAclear

### **ORDERING INFORMATION:**

### Component

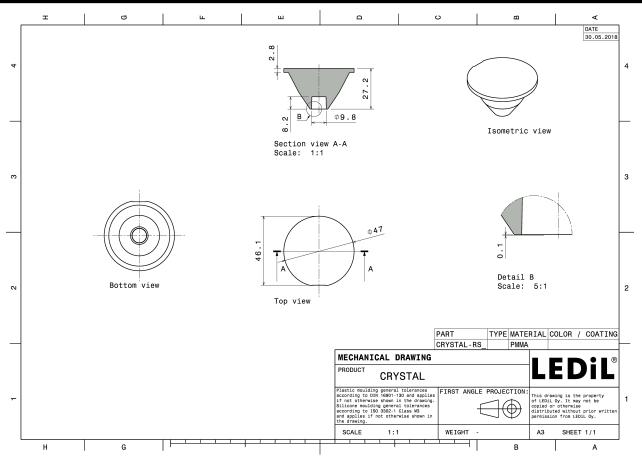
F12985\_CRYSTAL-MINE

» 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: <u>www.ledil.com/installation\_guide</u>



### PHOTOMETRIC DATA (MEASURED):

CREE LEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XM-L2 6.9° / 15.0° 90 % 35 cd/lm 1 White	
CREE LEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E 3.0° / 7.9° 92 % 96 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	4.7° / 10.5° 90 % 66.9 cd/lm 1 White	200 00 10 00 10 00 00 00 00 00 00 00 00 0
CREE LEU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 4.6° / 12.0° 90 % 65.2 cd/lm 1 White	



## PHOTOMETRIC DATA (MEASURED):

	FDS	
LED	LUXEON A	
FWHM / FWTM	4.9° / 13.0°	
Efficiency	89 %	
Peak intensity	58.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
	EDS	
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 compone		
	EDS	
		90°
LED	LUXEON TX	70
FWHM / FWTM	5.0° / 12.6°	
Efficiency	94 %	6/s
Peak intensity	50.6 cd/lm 1	
LEDs/each optic Light colour	ı White	<b>4</b>
Required compone		
Required compone		
		30% 30%0 32%
ØNICHI/	<b>\</b>	ason do lason
LED	NCSxx19B	
FWHM / FWTM	3.6° / 12.0°	
Efficiency	90 %	
Peak intensity	73.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	



### PHOTOMETRIC DATA (MEASURED):

SAMS	JNG	
LED	LH351B	
FWHM / FWTM	5.1° / 13.0°	
Efficiency	90 %	
Peak intensity	51.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
SAMS	JNG	
SAM S	<b>UNG</b> LH351Z	
LED	LH351Z	
LED FWHM / FWTM	LH351Z 4.2° / 10.0°	
LED FWHM / FWTM Efficiency	LH351Z 4.2° / 10.0° 90 %	
LED FWHM / FWTM Efficiency Peak intensity	LH351Z 4.2° / 10.0° 90 % 71.4 cd/lm	



### PHOTOMETRIC DATA (SIMULATED):

	EDS	90°
LED	LUXEON CZ	77
FWHM / FWTM	4.0° / 10.0°	
Efficiency	95 %	2000 (cr +
Peak intensity	98.1 cd/lm	$ (X// X)^{2} $
LEDs/each optic	1	
Light colour	White	g
Required component	ts:	
		30" <u>162800</u> 30" 32" 0 <sup>0</sup> 15"



#### **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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