

CRYSTAL-MINE

~4.9° spot beam especially designed for mining headlamps. Assembly with holder.

SPECIFICATION:



MATERIALS:

Component	Type	Material	Colour	Finish
F12985_CRYSTAL-MINE	Single lens	PMMA	clear	
C13478_CRYSTAL-HLD	Holder	PC	white	

ORDERING INFORMATION:

Quantities for one set:

Single lens 1 Holder 1

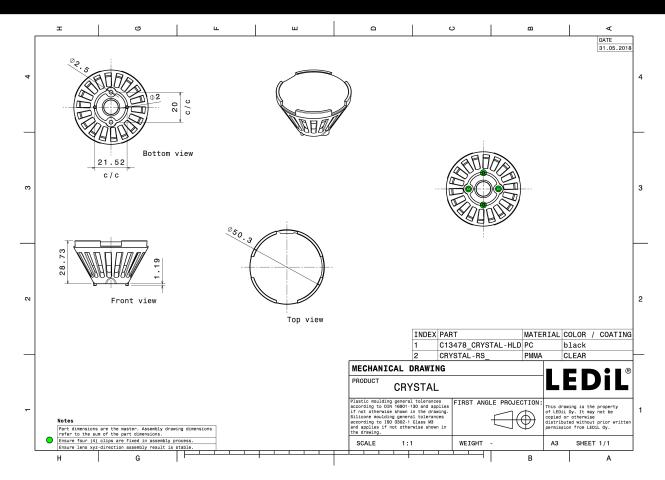


PRODUCT DATASHEET CRYSTAL-MINE

Component		Qty in box	MOQ	MPQ	Box weight (kg)
F12985_CRYSTAL-MINE » Box size: 480 x 280 x 300 mm	Single lens	288	64	32	7.1
C13478_CRYSTAL-HLD » Box size: 480 x 280 x 300 mm	Holder	1152	64	32	6.1



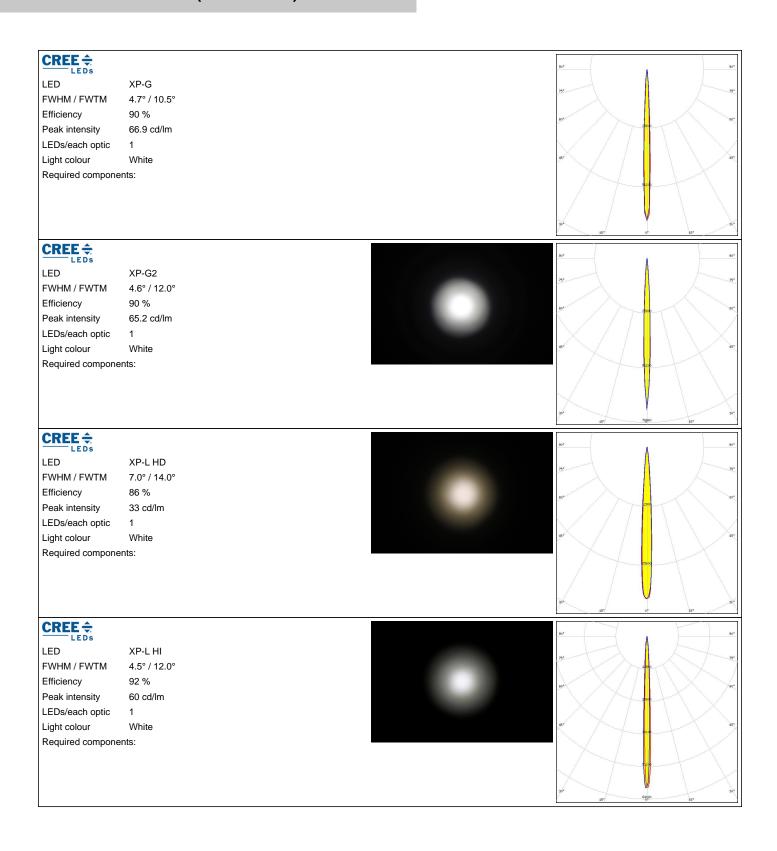
PRODUCT DATASHEET CRYSTAL-MINE



See also our general installation guide: www.ledil.com/installation_guide

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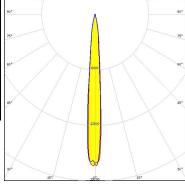


MUMILEDS

LED LUXEON 5050 Round LES

FWHM / FWTM 9.0° / 23.0°
Efficiency 94 %
Peak intensity 17.5 cd/lm
LEDs/each optic 1
Light colour White





LUMILEDS

Required components:

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 components:



DESCRIPTION LUMILEDS

 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 components:



MILEDS

 LED
 LUXEON TX

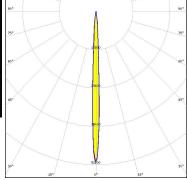
 FWHM / FWTM
 5.0° / 12.6°

 Efficiency
 94 %

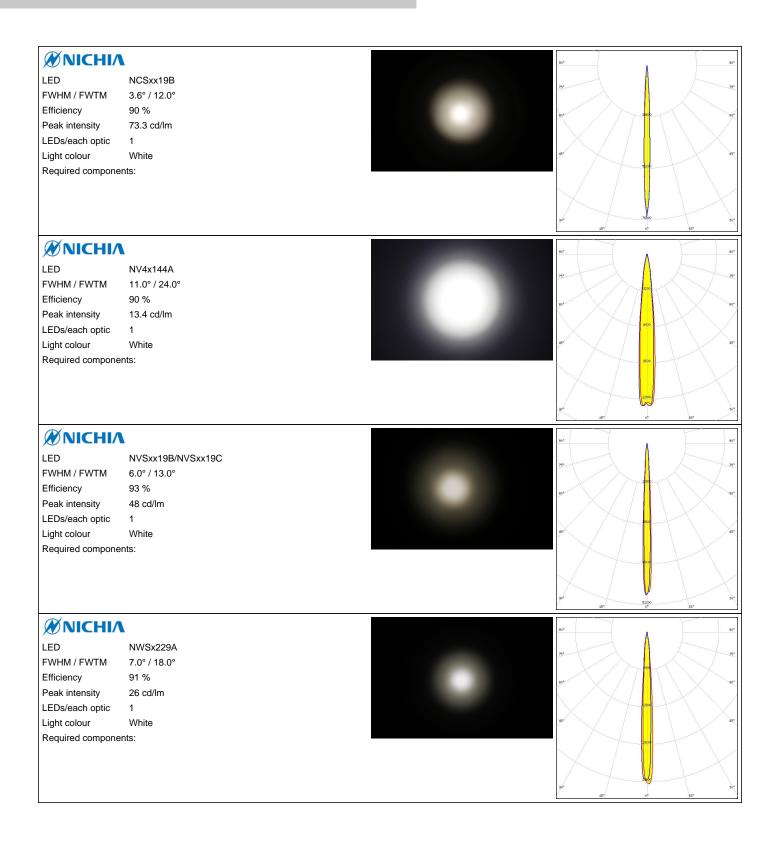
 Peak intensity
 50.6 cd/lm

LEDs/each optic 1
Light colour White
Required components:











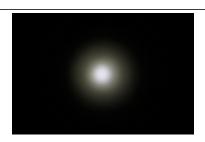
SAMSUNG

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

White

Light colour

Required components:



SAMSUNG

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

Required components:

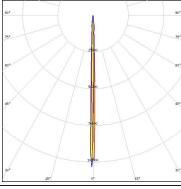


SEOUL SEMICONDUCTOR

LED nPola
FWHM / FWTM 2.0° / 7.0°
Efficiency 94 %
Peak intensity 114 cd/lm
LEDs/each optic 1
Light colour White

Required components:



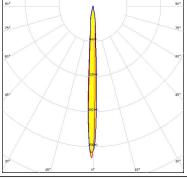


SEOUL SEMICONDUCTOR

LED Z5M3
FWHM / FWTM 6.0° / 19.0°
Efficiency 93 %
Peak intensity 28.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:



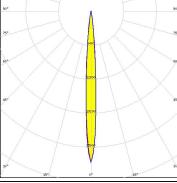






LED XHP35 HD
FWHM / FWTM 7.8° / 17.0°
Efficiency 94 %
Peak intensity 28.6 cd/lm
LEDs/each optic 1
Light colour White



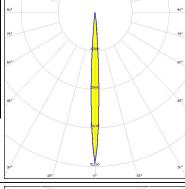


CREE \$

Required components:

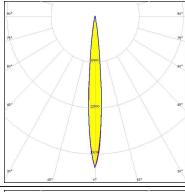
LED XHP35 HI
FWHM / FWTM 6.2° / 13.0°
Efficiency 94 %
Peak intensity 50.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:





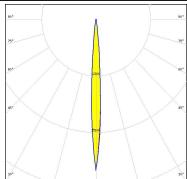
CREE +

LED XHP35.2 HD
FWHM / FWTM 10.0° / 19.0°
Efficiency 94 %
Peak intensity 21.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE -

LED XHP35.2 HD
FWHM / FWTM 8.0° / 16.0°
Efficiency 96 %
Peak intensity 34.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:







LED XHP50.2

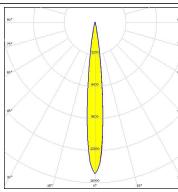
 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 12.0° / 22.0° 95 %

Efficiency Peak intensity 15.1 cd/lm

LEDs/each optic

Light colour White

Required components:



CREE \$

LED XM-L2

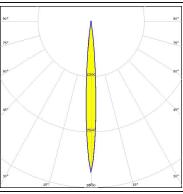
FWHM / FWTM 8.0° / 16.0°

Efficiency 97 % Peak intensity 35 cd/lm

LEDs/each optic 1

White Light colour

Required components:



LUMILEDS

LED LUXEON C

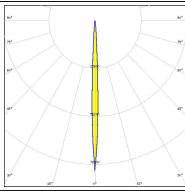
FWHM / FWTM 4.0° / 10.0°

Efficiency 94 %

Peak intensity 80.9 cd/lm

LEDs/each optic 1 Light colour White

Required components:



MUMILEDS

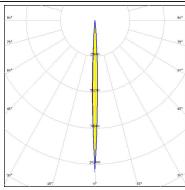
LED LUXEON Rubix

FWHM / FWTM 4.0° / 10.0° Efficiency 95 %

Peak intensity 107.9 cd/lm LEDs/each optic 1

Red Light colour

Required components:



9/14

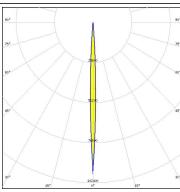




LED LUXEON Rubix
FWHM / FWTM 4.0° / 10.0°
Efficiency 95 %
Peak intensity 96.7 cd/lm
LEDs/each optic 1

Light colour White

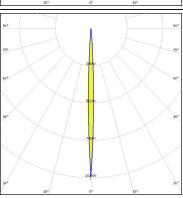
Required components:



LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 4.0° / 10.0°
Efficiency 95 %
Peak intensity 104 cd/lm
LEDs/each optic 1
Light colour Blue

Required components:



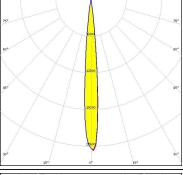
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 10.0° / 17.0°
Efficiency 97 %
Peak intensity 26.6 cd/lm

LEDs/each optic 4
Light colour RGBW
Required components:



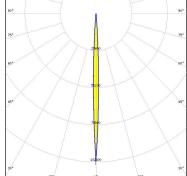




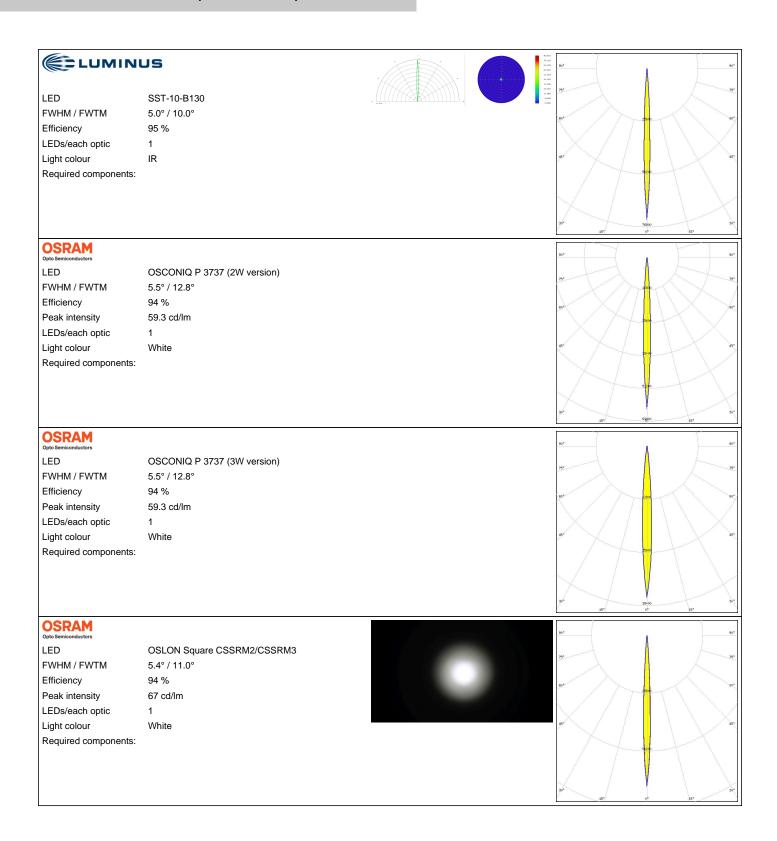
MILEDS

LED LUXEON Rubix
FWHM / FWTM 4.0° / 10.0°
Efficiency 95 %
Peak intensity 104.6 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour Green
Required components:







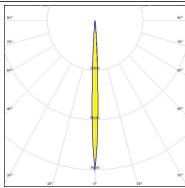


OSRAM

LED OSLON Square Flat

FWHM / FWTM 4.8° / 10.0°
Efficiency 94 %
Peak intensity 78 cd/lm
LEDs/each optic 1
Light colour White

Required components:



OSRAM

Opto Semiconductor

LED OSTAR Projection Compact (KW.CSLNM1.TG)

FWHM / FWTM 4.0° / 8.0°

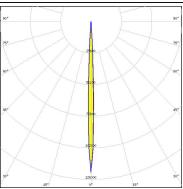
Efficiency 94 %

Peak intensity 122.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



SAMSUNG

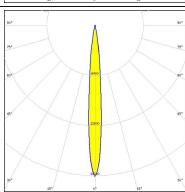
 LED
 LH151B

 FWHM / FWTM
 10.0° / 20.0°

 Efficiency
 97 %

 Peak intensity
 19.4 cd/lm

LEDs/each optic 4
Light colour White
Required components:

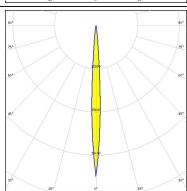


SAMSUNG

LED LH351C FWHM / FWTM 6.0° / 14.0° Efficiency 96 %

Peak intensity 44.8 cd/lm LEDs/each optic 1
Light colour White

Required components:



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