

CRYSTAL-RS

~5.1° spot beam. Assembly with holder.

SPECIFICATION:

Dimensions Ø 49.7 mm
Height 28.7 mm
Fastening pin, screw
ROHS compliant yes



MATERIALS:

ComponentTypeMaterialColourFinishF12916_CRYSTAL-RSSingle lensPMMAclearC13478_CRYSTAL-HLDHolderPCwhite

ORDERING INFORMATION:

Quantities for one set:

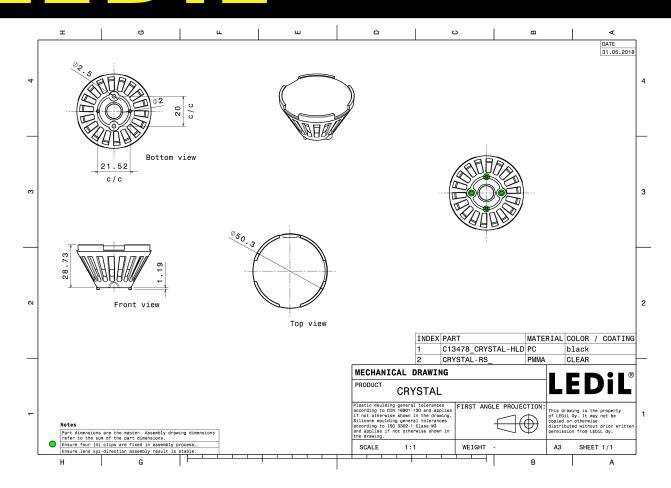
Single lens 1 Holder 1



PRODUCT DATASHEET CRYSTAL-RS

Component		Qty in box	MOQ	MPQ	Box weight (kg)
F12916_CRYSTAL-RS » Box size: 480 x 280 x 300 mm	Single lens	288	64	32	8.6
C13478_CRYSTAL-HLD » Box size: 480 x 280 x 300 mm	Holder	1152	64	32	6.1

PRODUCT DATASHEET CRYSTAL-RS

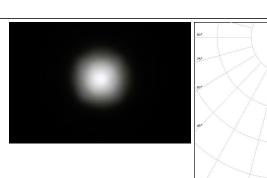


See also our general installation guide: www.ledil.com/installation_guide



CREE \$\text{LED}

LED XHP35 HI
FWHM / FWTM 5.7° / 15.0°
Efficiency 89 %
Peak intensity 48.3 cd/lm
LEDs/each optic 1
Light colour White

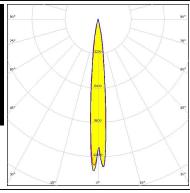


CREE - LED

Required components:

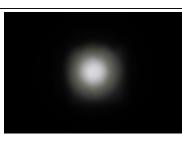
LED XHP50
FWHM / FWTM 11.0° / 24.0°
Efficiency 93 %
Peak intensity 14.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

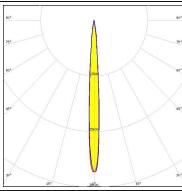




CREE - LED

LED XM-L
FWHM / FWTM 7.0° / 17.0°
Efficiency 94 %
Peak intensity 34.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:





CREE - LED

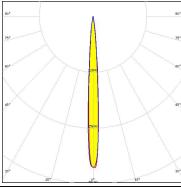
LED XP-G
FWHM / FWTM 4.9° / 11.4°
Efficiency 89 %
Peak intensity 68.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE \$\text{LED}

LED XP-L HD
FWHM / FWTM 7.0° / 15.0°
Efficiency 88 %
Peak intensity 34.7 cd/lm
LEDs/each optic 1
Light colour White





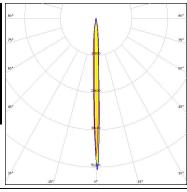
MUMILEDS

Required components:

LED LUXEON 3030 2D (Round LES)

FWHM / FWTM 4.0° / 15.0°
Efficiency 94 %
Peak intensity 52.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:





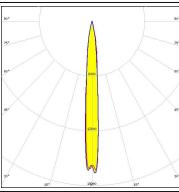
MILEDS

LED LUXEON 5050 Round LES

FWHM / FWTM 9.0° / 24.0° Efficiency 94 % Peak intensity 17.8 cd/lm LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:





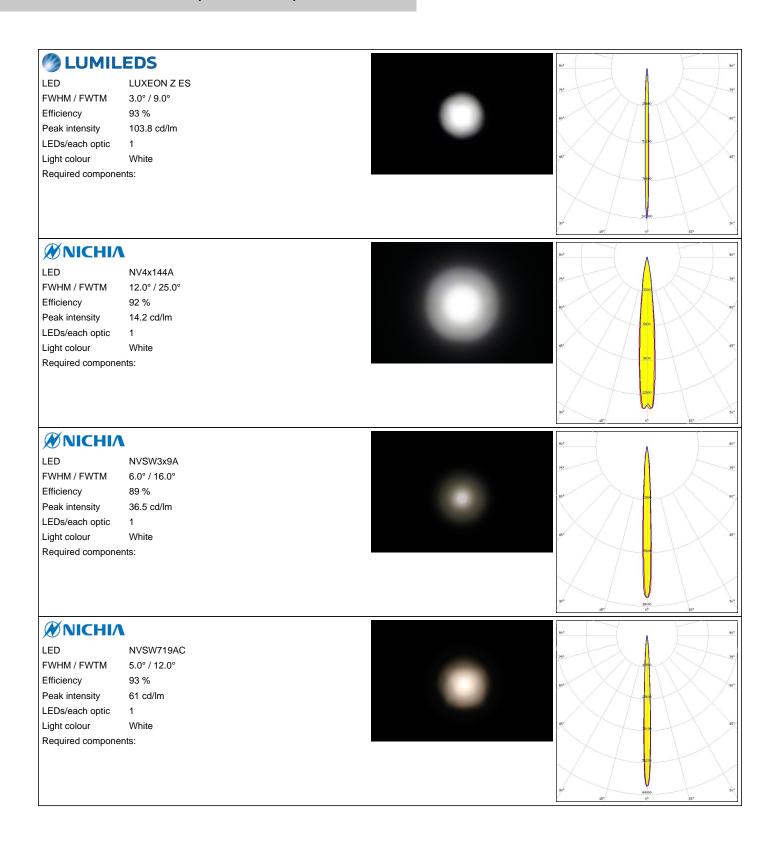
DESCRIPTION LUMILEDS

LED LUXEON A
FWHM / FWTM 5.1° / 14.0°
Efficiency 89 %
Peak intensity 58.9 cd/lm
LEDs/each optic 1

Light colour White Required components:







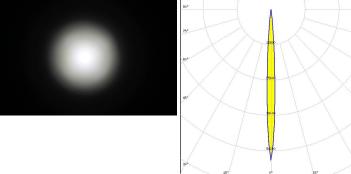




LED NVSxx19B/NVSxx19C

White

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 5.3° / 17.0° Efficiency 89 % Peak intensity 42.5 cd/lm LEDs/each optic



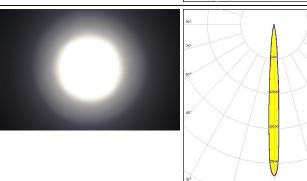
WNICHIA

Required components:

Light colour

LED NWSx229A FWHM / FWTM 8.0° / 18.0° Efficiency 92 % Peak intensity 27.9 cd/lm LEDs/each optic

White Light colour Required components:

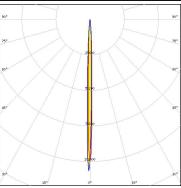


OSRAM Opto Semiconductor

LED OSLON SSL 150 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 3.0° / 9.0° Efficiency 94 % Peak intensity 108.9 cd/lm

LEDs/each optic Light colour White Required components:





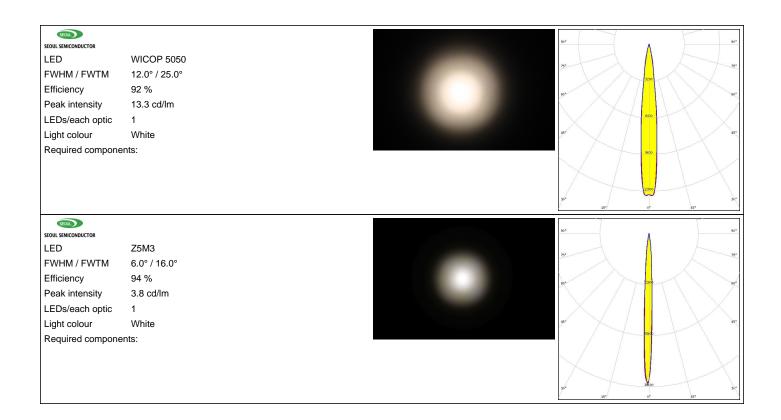
SAMSUNG

FWHM / FWTM 4.4° / 12.0°

Efficiency 90 % Peak intensity 77 cd/lm LEDs/each optic White Light colour









CREE . LED

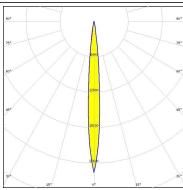
LED XHP50.3 HI FWHM / FWTM 10.0 + 8.0° / 18.0°

Efficiency 97 %

Peak intensity 27.4 cd/lm

LEDs/each optic Light colour White

Required components:



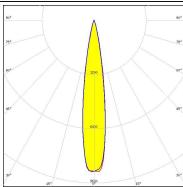
CREE - LED

LED XHP70.2

FWHM / FWTM 16.0° / 30.0° Efficiency 95 %

Peak intensity 9 cd/lm LEDs/each optic 1 White Light colour

Required components:



CREE \$\(\preceq\) LED

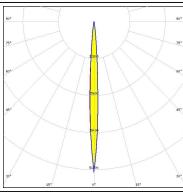
LED XP-G3 FWHM / FWTM 6.0° / 14.0°

Efficiency 95 %

Peak intensity 52.3 cd/lm LEDs/each optic 1

White

Light colour Required components:



CREE - LED

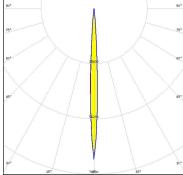
XP-L HI FWHM / FWTM 5.6° / 12.0°

94 % Efficiency Peak intensity 70.2 cd/lm

LEDs/each optic White Light colour

Required components:





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CREE 1 LED

 LED
 XP-P

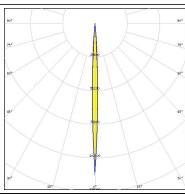
 FWHM / FWTM
 4.0° / 10.0°

 Efficiency
 95 %

 Peak intensity
 115.4 cd/lm

LEDs/each optic 1
Light colour White

Required components:



CREE - LED

 LED
 XQ-E HI

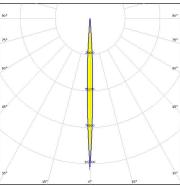
 FWHM / FWTM
 4.5° / 10.0°

 Efficiency
 95 %

 Peak intensity
 106.7 cd/lm

LEDs/each optic 1
Light colour White

Required components:



MUMILEDS

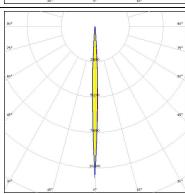
 LED
 LUXEON C

 FWHM / FWTM
 4.0° / 10.0°

 Efficiency
 91 %

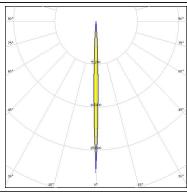
 Peak intensity
 109.6 cd/lm

LEDs/each optic 1
Light colour White
Required components:



DESCRIPTION LUMILEDS

LED LUXEON CZ
FWHM / FWTM 4.0° / 8.0°
Efficiency 93 %
Peak intensity 181 cd/lm
LEDs/each optic 1
Light colour White





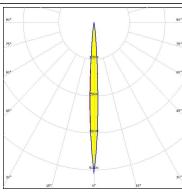


LED LUXEON HL2X
FWHM / FWTM 6.0° / 14.0°
Efficiency 95 %
Peak intensity 52.6 cd/lm
LEDs/each optic 1

White

Required components:

Light colour

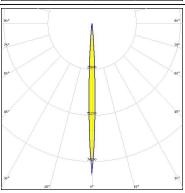


MUMILEDS

LED LUXEON Rebel Plus

FWHM / FWTM 6.0° / 10.0°
Efficiency 95 %
Peak intensity 84.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:

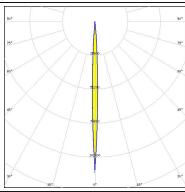


MUMILEDS

LED LUXEON Rubix
FWHM / FWTM 4.0° / 10.0°
Efficiency 95 %
Peak intensity 114.3 cd/lm

LEDs/each optic 1
Light colour Green

Required components:



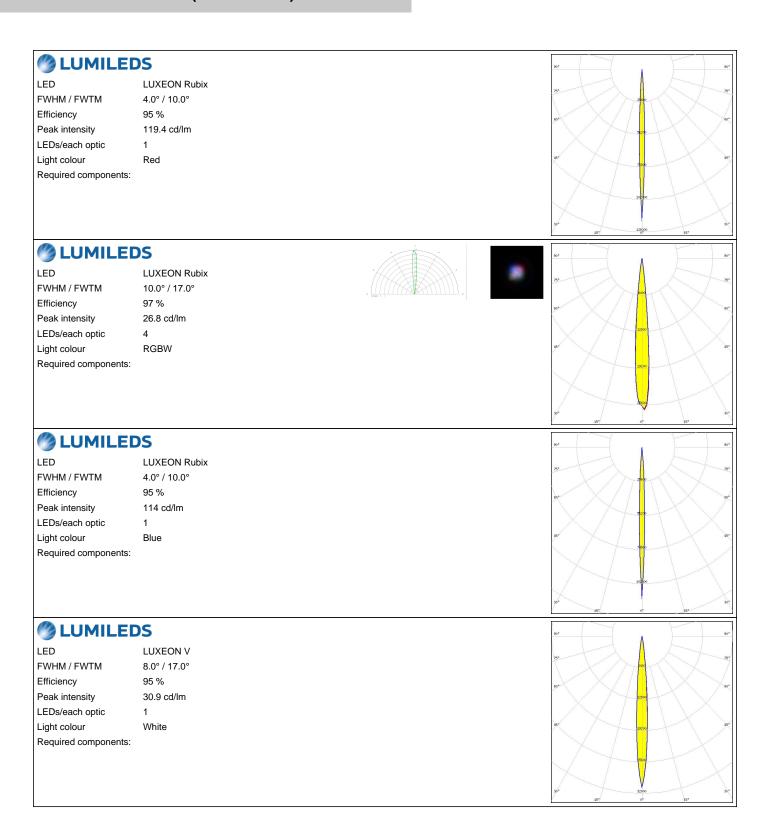
DESCRIPTION LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 4.0° / 10.0°
Efficiency 95 %
Peak intensity 106.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

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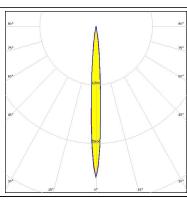




LED SBT-90 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 8.0° / 18.0° Efficiency 97 % Peak intensity 33.1 cd/lm LEDs/each optic

Light colour White

Required components:

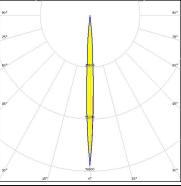


ELUMINUS

LED SFT-40-WCS FWHM / FWTM 6.0° / 12.0° Efficiency 96 % Peak intensity 74.7 cd/lm 1

LEDs/each optic White Light colour

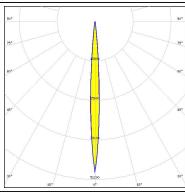
Required components:



ELUMINUS

LED SFT-70X-WCS FWHM / FWTM 6.0° / 14.0° Efficiency 97 % Peak intensity 49.1 cd/lm

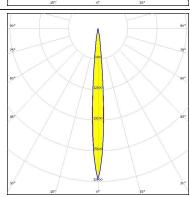
LEDs/each optic 1 Light colour White Required components:



ELUMINUS

SST-40 FWHM / FWTM 8.0° / 16.0° 97 % Efficiency Peak intensity 31.7 cd/lm

LEDs/each optic White Light colour Required components:



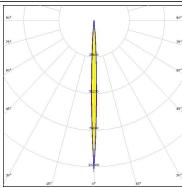


OSRAM

LED Duris S5 (Single chip)

FWHM / FWTM 4.0° / 10.0° 95 % Efficiency Peak intensity 106 cd/lm LEDs/each optic Light colour Red

Required components:



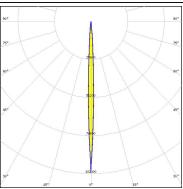
OSRAM

LED Duris S5 (Single chip)

FWHM / FWTM 4.0° / 10.0° Efficiency 95 % Peak intensity 101.9 cd/lm

LEDs/each optic 1 Light colour Green

Required components:



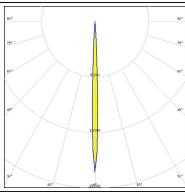
OSRAM Opto Semiconductor

LED OSTAR Projection Compact (KW.CSLNM1.TG)

FWHM / FWTM 4.0° / 8.0° Efficiency 94 % Peak intensity 139.7 cd/lm

LEDs/each optic 1 Light colour White

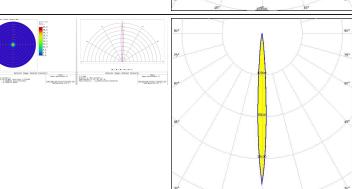
Required components:



OSRAM

LED SFH 4717AS

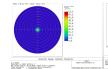
FWHM / FWTM 6.7° / 14.5° 94 % Efficiency Peak intensity 46.5 cd/lm LEDs/each optic White Light colour



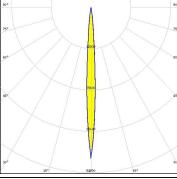


OSRAM

LED SFH 4727AS
FWHM / FWTM 6.7° / 14.5°
Efficiency 94 %
Peak intensity 47 cd/lm
LEDs/each optic 1
Light colour White







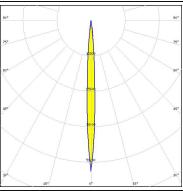
SAMSUNG

Required components:

LED LH351B
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 54.7 cd/lm
LEDs/each optic 1

LEDs/each optic 1 Light colour White

Required components:



SAMSUNG

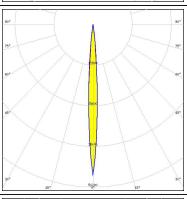
 LED
 LH351C

 FWHM / FWTM
 6.0° / 14.0°

 Efficiency
 96 %

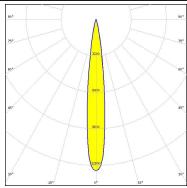
 Peak intensity
 47.7 cd/lm

LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y50P
FWHM / FWTM 14.0° / 26.0°
Efficiency 97 %
Peak intensity 13.3 cd/lm
LEDs/each optic 1
Light colour White





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:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDIL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405, Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

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