

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:

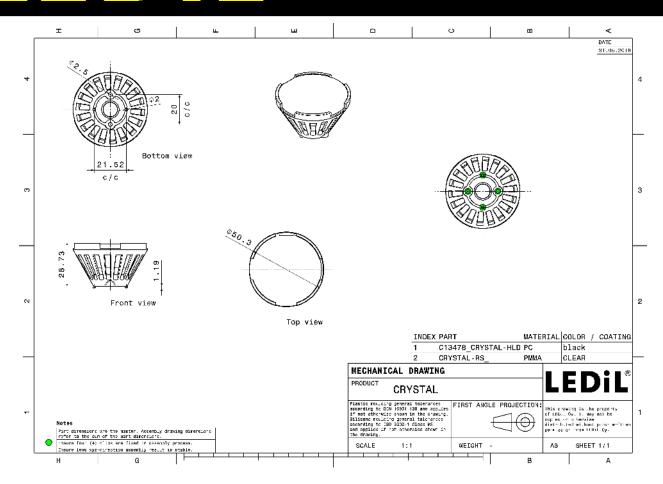
Single lens 1
Holder 1

1/16



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

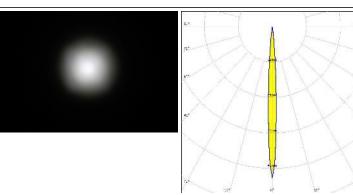


See also our general installation guide: www.ledil.com/installation_guide





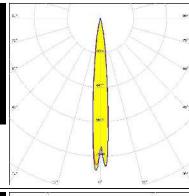
Light colour White Required components:



CREE & LED

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



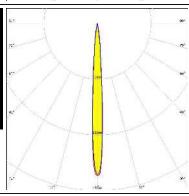


CREE - LED

Required components:

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



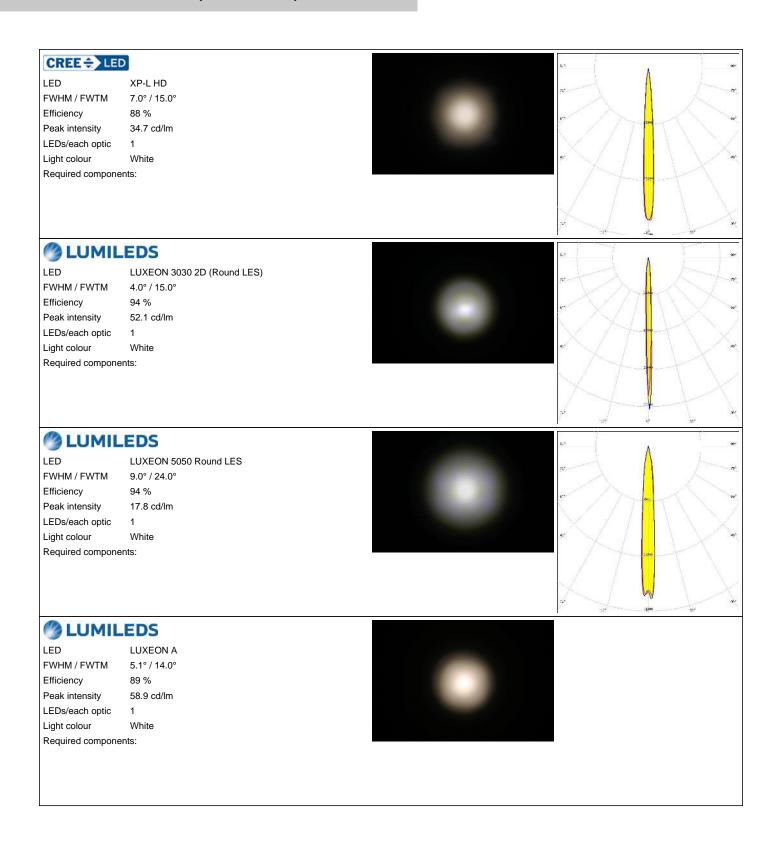


CREE - LED

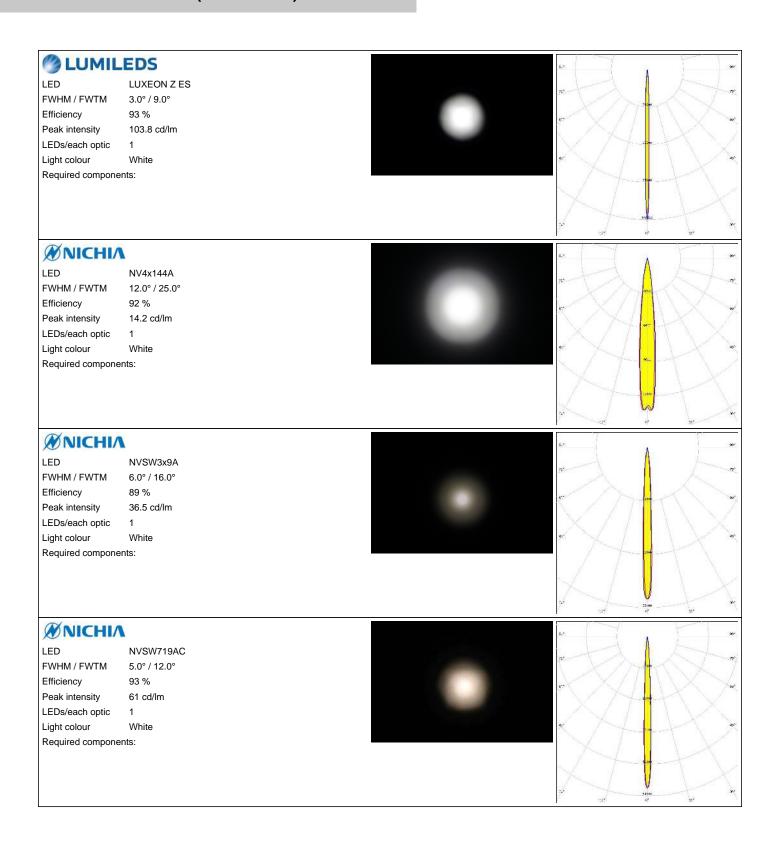
Required components:

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:









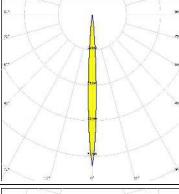




NVSxx19B/NVSxx19C

5.3° / 17.0° Efficiency 89 % Peak intensity 42.5 cd/lm LEDs/each optic Light colour White





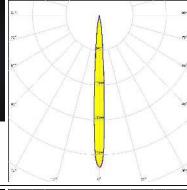
WNICHIA

Required components:

Required components:

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



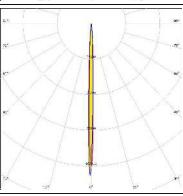


OSRAM Opto Semiconductors

LED OSLON SSL 150 FWHM / FWTM 3.0° / 9.0° Efficiency 94 % Peak intensity 108.9 cd/lm

LEDs/each optic Light colour White Required components:



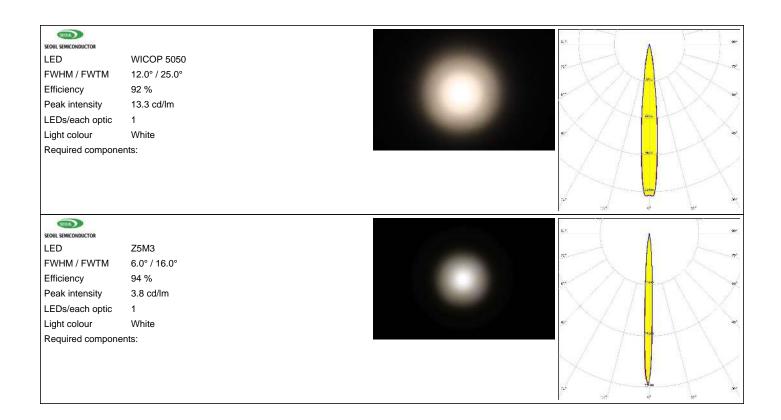


SAMSUNG

FWHM / FWTM 4.4° / 12.0° Efficiency 90 % Peak intensity 77 cd/lm LEDs/each optic White Light colour









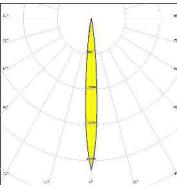
CREE 1 LED

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

Efficiency 97 %
Peak intensity 27.4 cd/lm

LEDs/each optic 1
Light colour White

Required components:

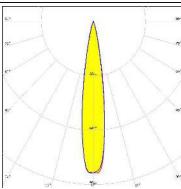


CREE - LED

LED XHP70.2 FWHM / FWTM 16.0° / 30.0° Efficiency 95 %

Efficiency 95 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour White

Required components:



CREE + LED

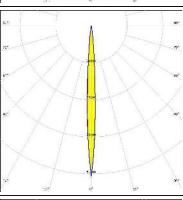
 LED
 XP-G3

 FWHM / FWTM
 6.0° / 14.0°

 Efficiency
 95 %

 Peak intensity
 52.3 cd/lm

LEDs/each optic 1
Light colour White
Required components:

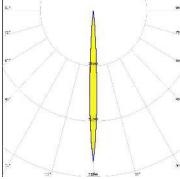


CREE - LED

LED XP-L HI
FWHM / FWTM 5.6° / 12.0°
Efficiency 94 %
Peak intensity 70.2 cd/lm
LEDs/each optic 1

Light colour White Required components:





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CREE 1 LED

 LED
 XP-P

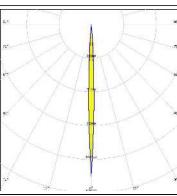
 FWHM / FWTM
 4.0° / 10.0°

 Efficiency
 95 %

 Peak intensity
 115.4 cd/lm

LEDs/each optic 1
Light colour White

Required components:



CREE - LED

 LED
 XQ-E HI

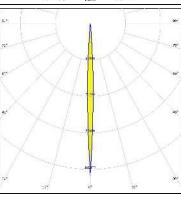
 FWHM / FWTM
 4.5° / 10.0°

 Efficiency
 95 %

 Peak intensity
 106.7 cd/lm

LEDs/each optic 1
Light colour White

Required components:



MILEDS

 LED
 LUXEON C

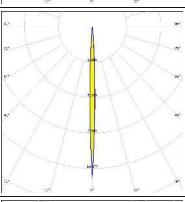
 FWHM / FWTM
 4.0° / 10.0°

 Efficiency
 91 %

 Peak intensity
 109.6 cd/lm

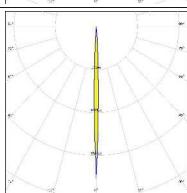
LEDs/each optic 1
Light colour White

Required components:



BLUMILEDS

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





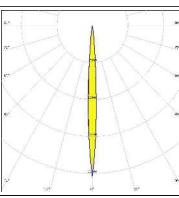


LED LUXEON HL2X
FWHM / FWTM 6.0° / 14.0°
Efficiency 95 %
Peak intensity 52.6 cd/lm

Peak intensity 52.6 cd/ LEDs/each optic 1

Required components:

Light colour



MUMILEDS

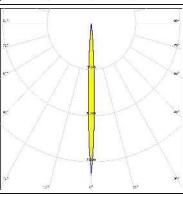
LED LUXEON Rebel Plus

White

FWHM / FWTM 6.0° / 10.0°
Efficiency 95 %
Peak intensity 84.3 cd/lm

LEDs/each optic 1
Light colour White

Required components:

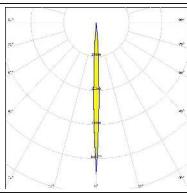


BLUMILEDS

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

LEDs/each optic 1
Light colour Green

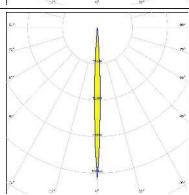
Required components:



MUMILEDS

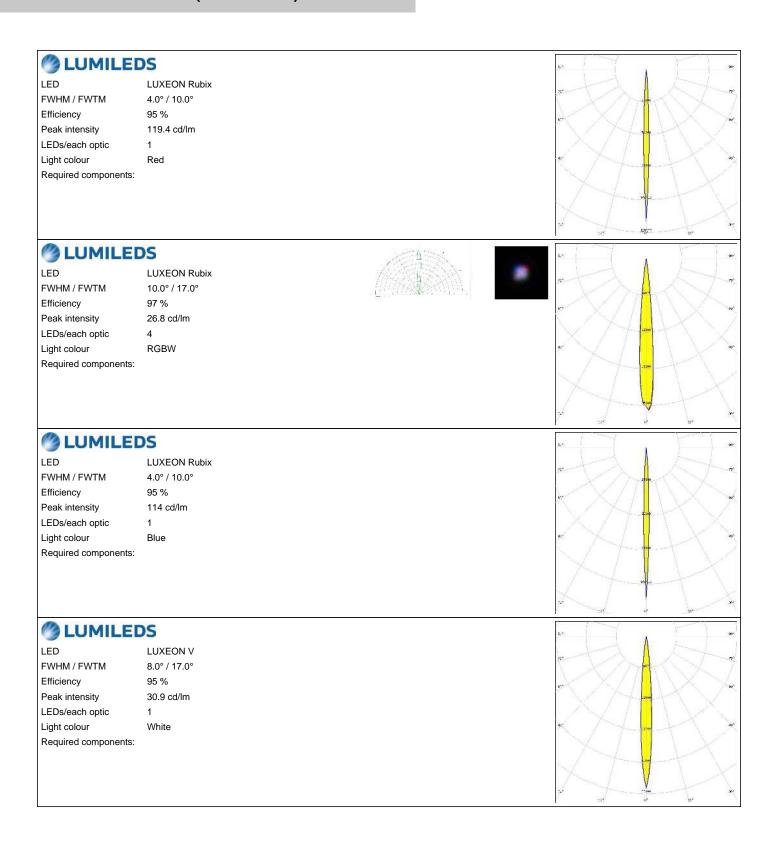
LED LUXEON Rubix
FWHM / FWTM 4.0° / 10.0°
Efficiency 95 %
Peak intensity 106.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:



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 LED
 SBT-90

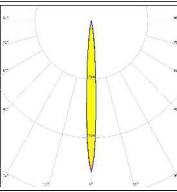
 FWHM / FWTM
 8.0° / 18.0°

 Efficiency
 97 %

Peak intensity 33.1 cd/lm LEDs/each optic 1

Light colour White

Required components:



ELUMINUS

 LED
 SFT-40-WCS

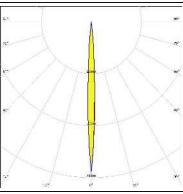
 FWHM / FWTM
 6.0° / 12.0°

 Efficiency
 96 %

 Peak intensity
 74.7 cd/lm

LEDs/each optic 1
Light colour White

Required components:



ELUMINUS

 LED
 SFT-70X-WCS

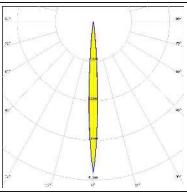
 FWHM / FWTM
 6.0° / 14.0°

 Efficiency
 97 %

 Peak intensity
 49.1 cd/lm

LEDs/each optic 1
Light colour White

Required components:



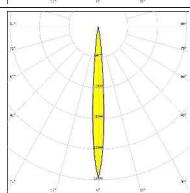
ELUMINUS

 LED
 SST-40

 FWHM / FWTM
 8.0° / 16.0°

 Efficiency
 97 %

Peak intensity 31.7 cd/lm
LEDs/each optic 1
Light colour White



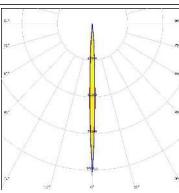


OSRAM Opto Semiconductors

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:



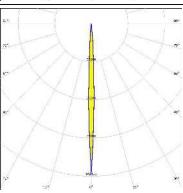
OSRAM Opto Semiconductor

Duris S5 (Single chip) LED

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

LEDs/each optic 1 Light colour Green

Required components:



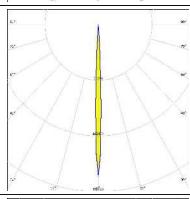
OSRAM Opto Semiconductors

LED OSTAR Projection Compact (KW.CSLNM1.TG)

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

LEDs/each optic Light colour White

Required components:



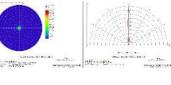
OSRAM Opto Semiconductors

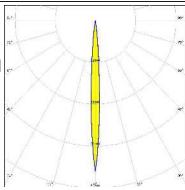
LED SFH 4717AS FWHM / FWTM 6.7° / 14.5° 94 % Efficiency

Peak intensity 46.5 cd/lm LEDs/each optic

White

Light colour Required components:





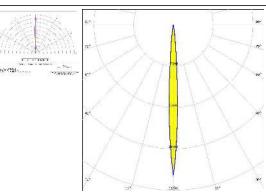
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OSRAM Opto Semiconductors

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

5°



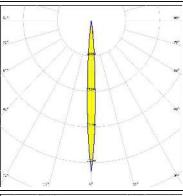
SAMSUNG

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

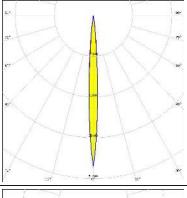
 LED
 LH351C

 FWHM / FWTM
 6.0° / 14.0°

 Efficiency
 96 %

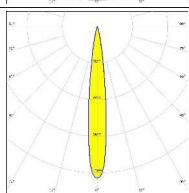
 Peak intensity
 47.7 cd/lm

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:

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