

CRYSTAL-RS

~5.1° spot beam. Assembly with holder.

TECHNICAL SPECIFICATIONS:

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

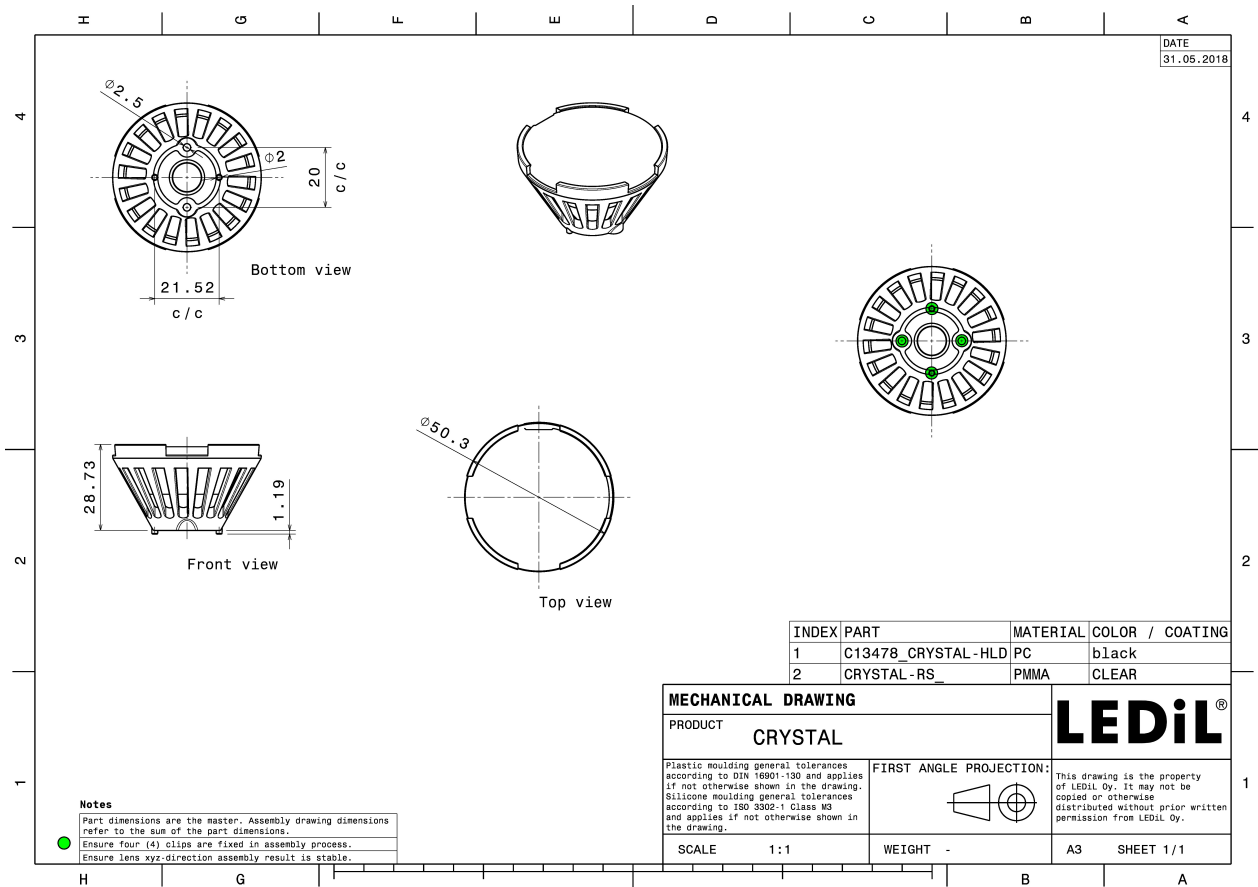
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
CRYSTAL-RS	Single lens	PMMA	clear	
CRYSTAL-HLD	Holder	PC	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCN13552_CRYSTAL-RS	Single lens	288	64	32	0.0
» Box size:					



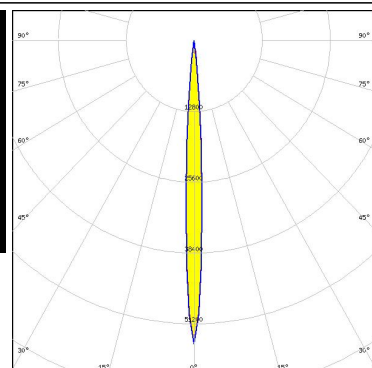


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

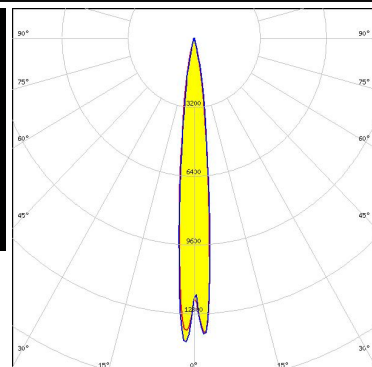
CREE LED

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



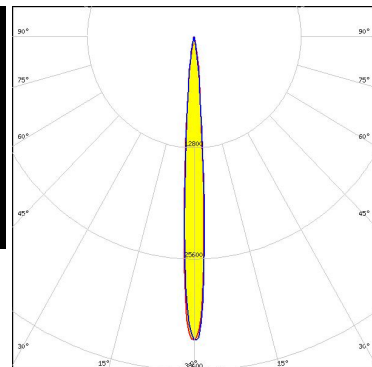
CREE LED

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



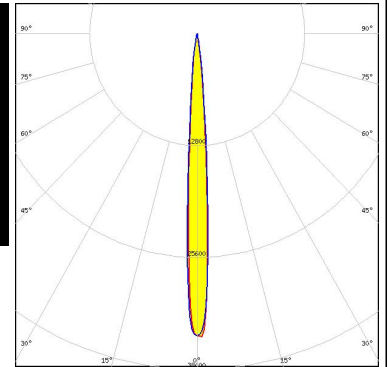
CREE LED

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:

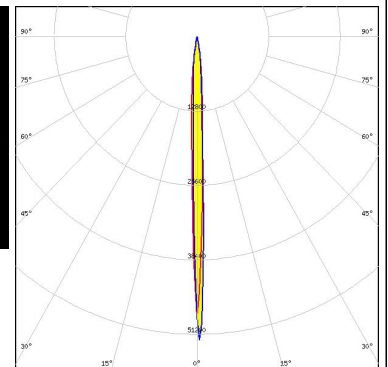
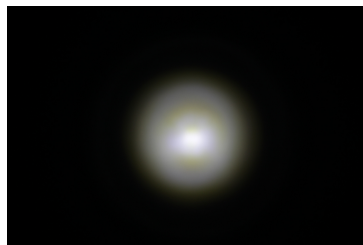
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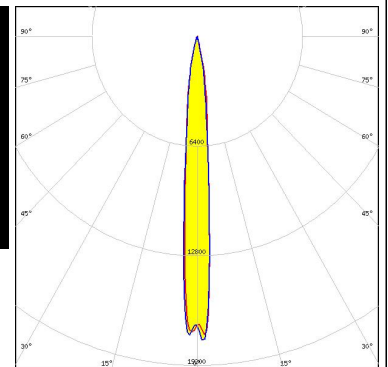
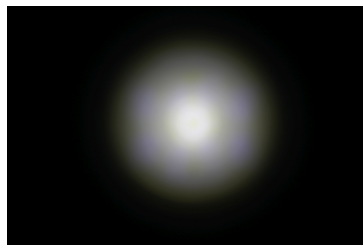
LED XP-L HD
 FWHM / FWTM 7.0° / 15.0°
 Efficiency 88 %
 Peak intensity 34.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



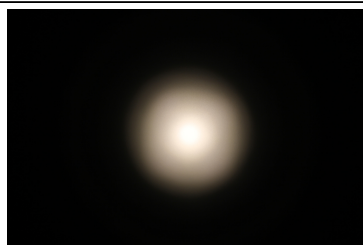
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 4.0° / 15.0°
 Efficiency 94 %
 Peak intensity 52.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 5050 Round LES
 FWHM / FWTM 9.0° / 24.0°
 Efficiency 94 %
 Peak intensity 17.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



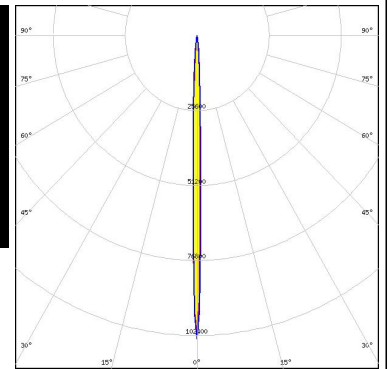
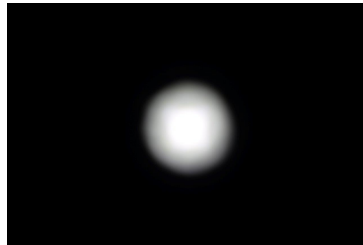
LED LUXEON A
 FWHM / FWTM 5.1° / 14.0°
 Efficiency 89 %
 Peak intensity 58.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



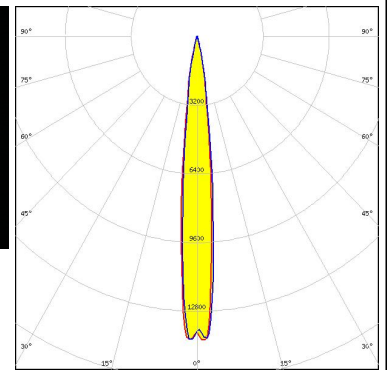
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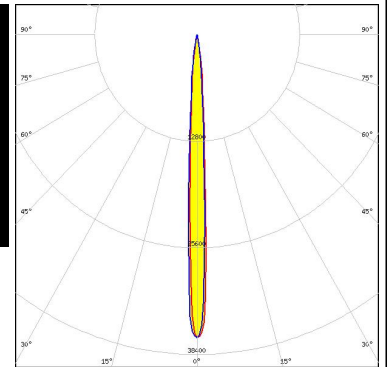
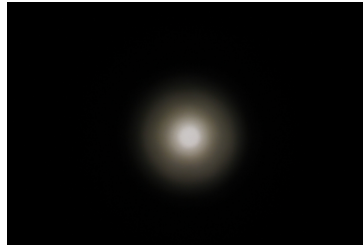
LED LUXEON Z ES
 FWHM / FWTM 3.0° / 9.0°
 Efficiency 93 %
 Peak intensity 103.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



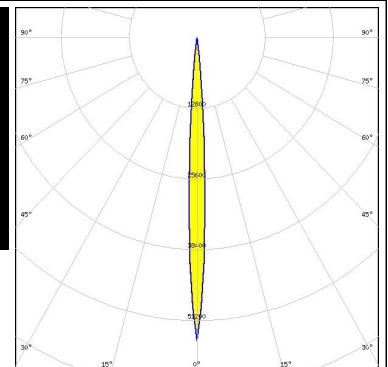
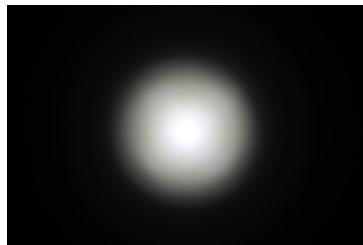
LED NV4x144A
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 92 %
 Peak intensity 14.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW3x9A
 FWHM / FWTM 6.0° / 16.0°
 Efficiency 89 %
 Peak intensity 36.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



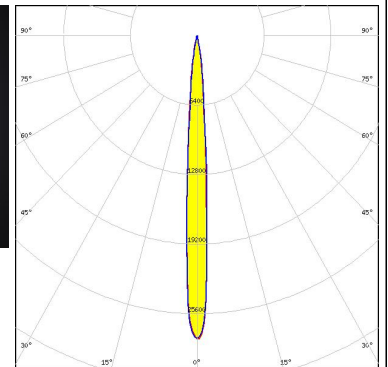
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 5.3° / 17.0°
 Efficiency 89 %
 Peak intensity 42.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



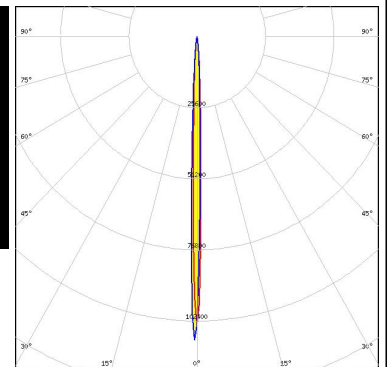
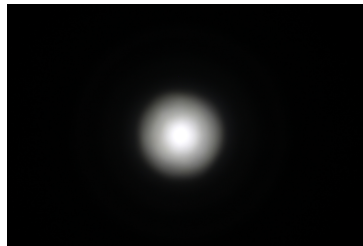
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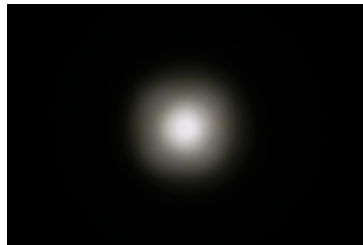
LED NWSx229A
FWHM / FWTM 8.0° / 18.0°
Efficiency 92 %
Peak intensity 27.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



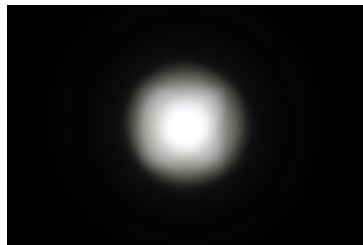
LED OSLON SSL 150
FWHM / FWTM 3.0° / 9.0°
Efficiency 94 %
Peak intensity 108.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



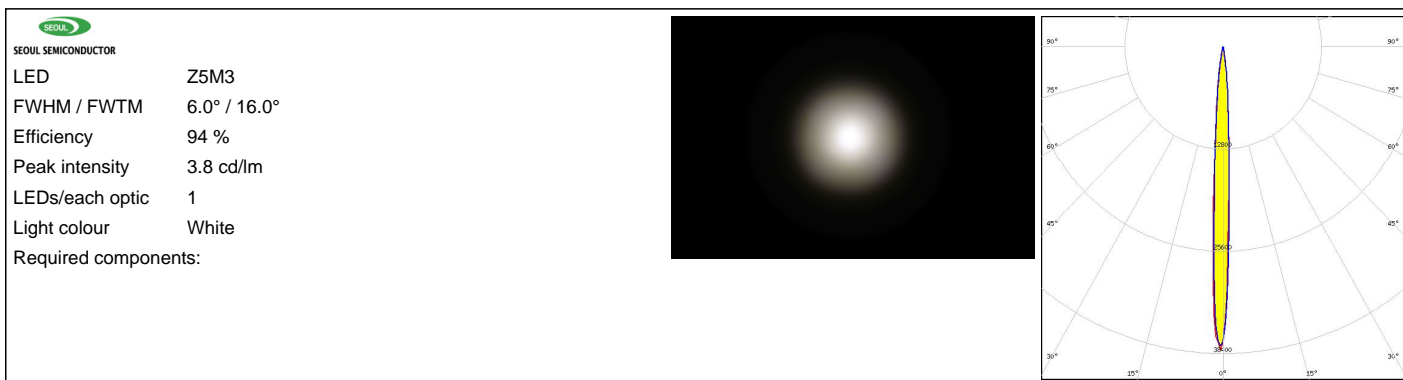
LED LH351B
FWHM / FWTM 5.3° / 14.0°
Efficiency 90 %
Peak intensity 57 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LH351Z
FWHM / FWTM 4.4° / 12.0°
Efficiency 90 %
Peak intensity 77 cd/lm
LEDs/each optic 1
Light colour White
Required components:



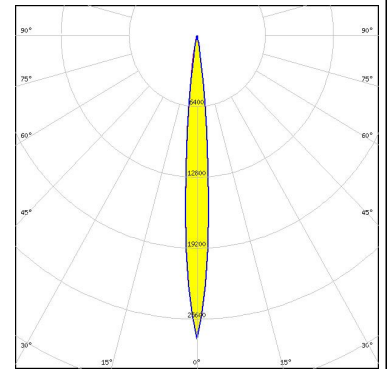
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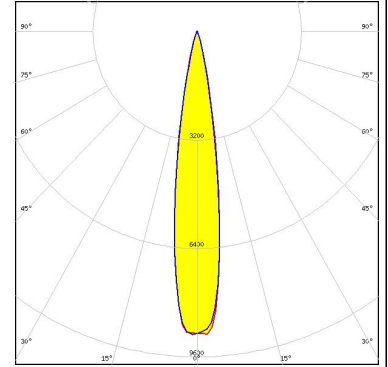
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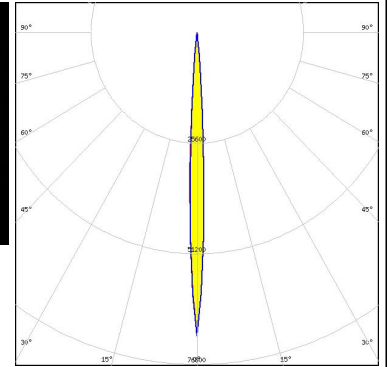
LED XHP50.3 HI
FWHM / FWTM 10.0 + 8.0° / 18.0°
Efficiency 97 %
Peak intensity 27.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



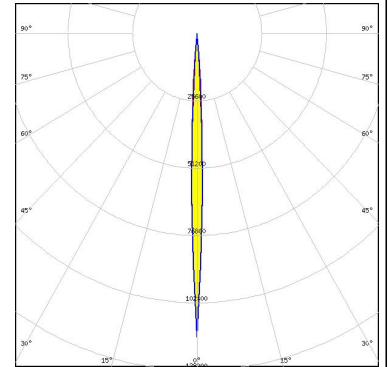
LED XHP70.2
FWHM / FWTM 16.0° / 30.0°
Efficiency 95 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:



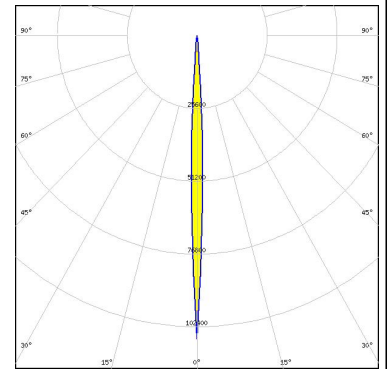
LED XP-P
FWHM / FWTM 4.0° / 10.0°
Efficiency 95 %
Peak intensity 115.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



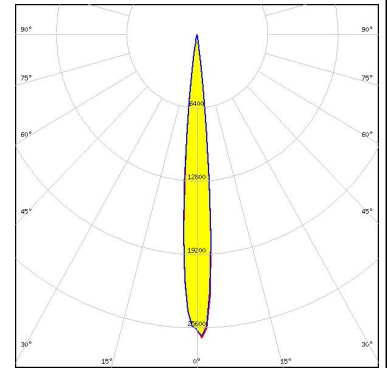
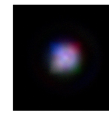
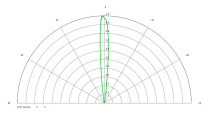
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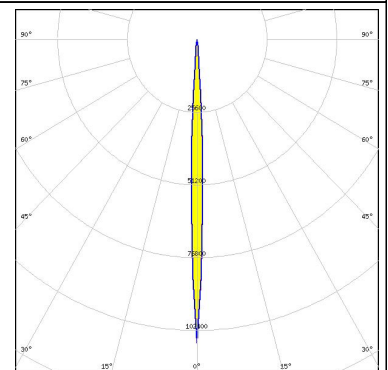
LED XQ-E HI
 FWHM / FWTM 4.5° / 10.0°
 Efficiency 95 %
 Peak intensity 106.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



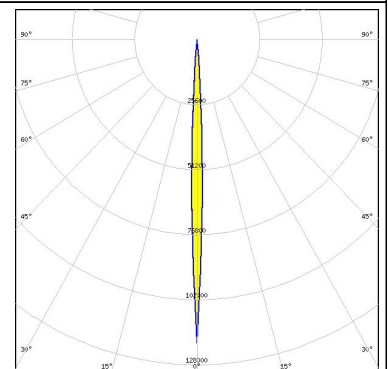
LED LUXEON Rubix
 FWHM / FWTM 10.0° / 17.0°
 Efficiency 97 %
 Peak intensity 26.8 cd/lm
 LEDs/each optic 4
 Light colour RGBW
 Required components:



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:



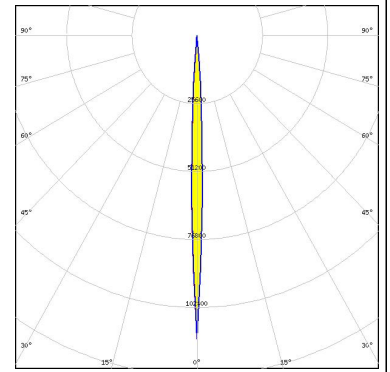
LED LUXEON Rubix
 FWHM / FWTM 4.0° / 10.0°
 Efficiency 95 %
 Peak intensity 119.4 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



PHOTOMETRIC DATA (SIMULATED):

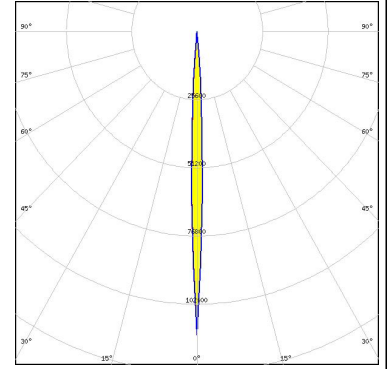
LUMILEDS

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:



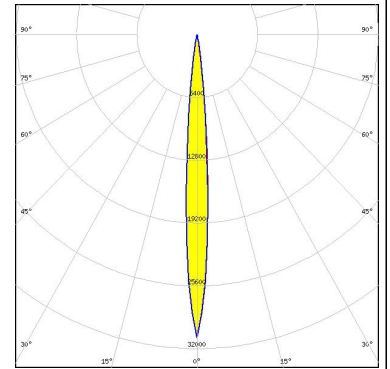
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 4.0° / 10.0°
Efficiency 95 %
Peak intensity 114 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



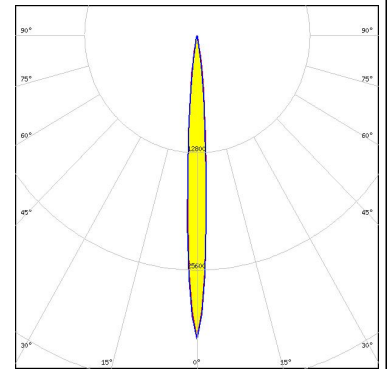
LUMILEDS

LED LUXEON V
FWHM / FWTM 8.0° / 17.0°
Efficiency 95 %
Peak intensity 30.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMINUS

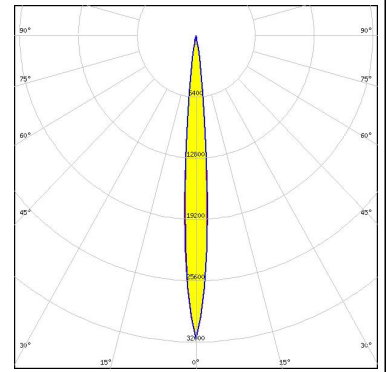
LED SBT-90
FWHM / FWTM 8.0° / 18.0°
Efficiency 97 %
Peak intensity 33.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



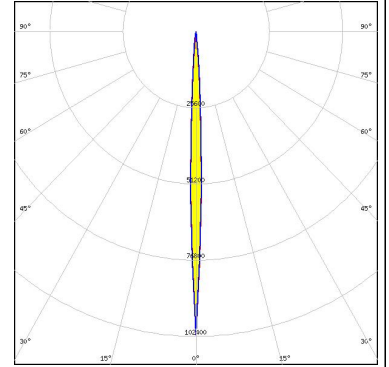
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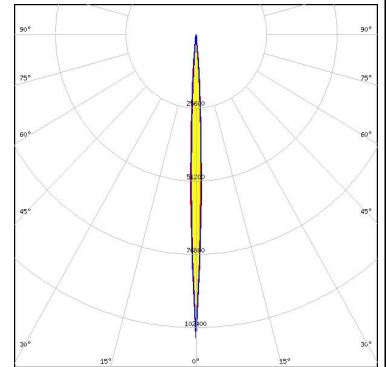
LED SST-40
FWHM / FWTM 8.0° / 16.0°
Efficiency 97 %
Peak intensity 31.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



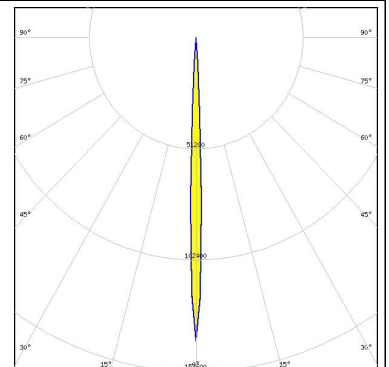
LED Duris S5 (Single chip)
FWHM / FWTM 4.0° / 10.0°
Efficiency 95 %
Peak intensity 101.9 cd/lm
LEDs/each optic 1
Light colour Green
Required components:



LED Duris S5 (Single chip)
FWHM / FWTM 4.0° / 10.0°
Efficiency 95 %
Peak intensity 106 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



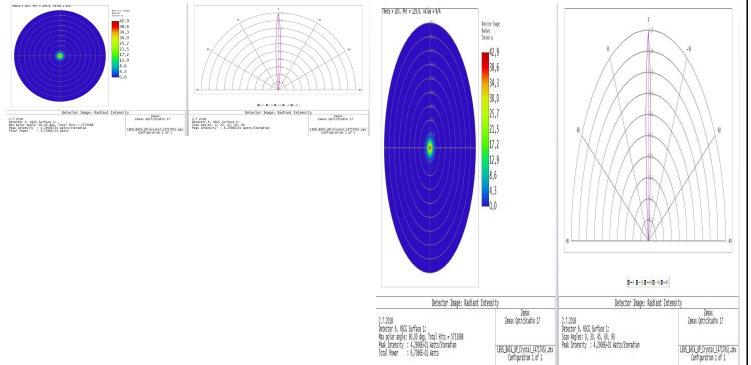
LED OSTAR Projection Compact (Kx.CSLNM1.xx)
FWHM / FWTM 4.0° / 8.0°
Efficiency 94 %
Peak intensity 139.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

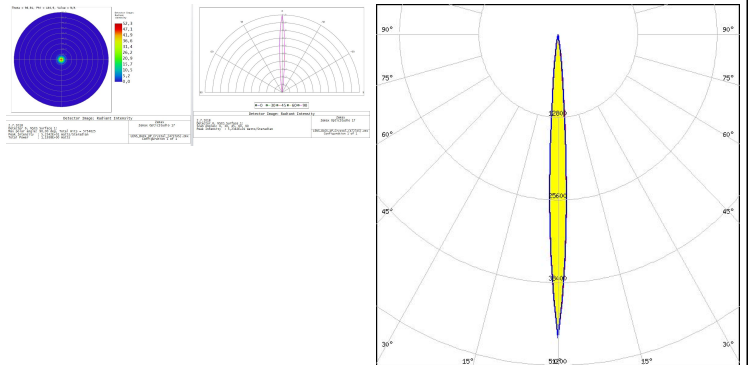
OSRAM
Opto Semiconductors

LED SFH 4717AS
FWHM / FWTM 6.7° / 14.5°
Efficiency 94 %
Peak intensity 46.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



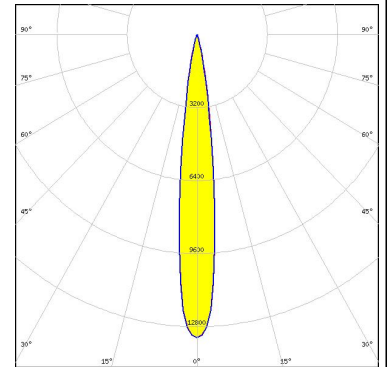
OSRAM
Opto Semiconductors

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



SEOL
SEOL SEMICONDUCTOR

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



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

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Hong Kong, China

Distribution Partners

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