

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 

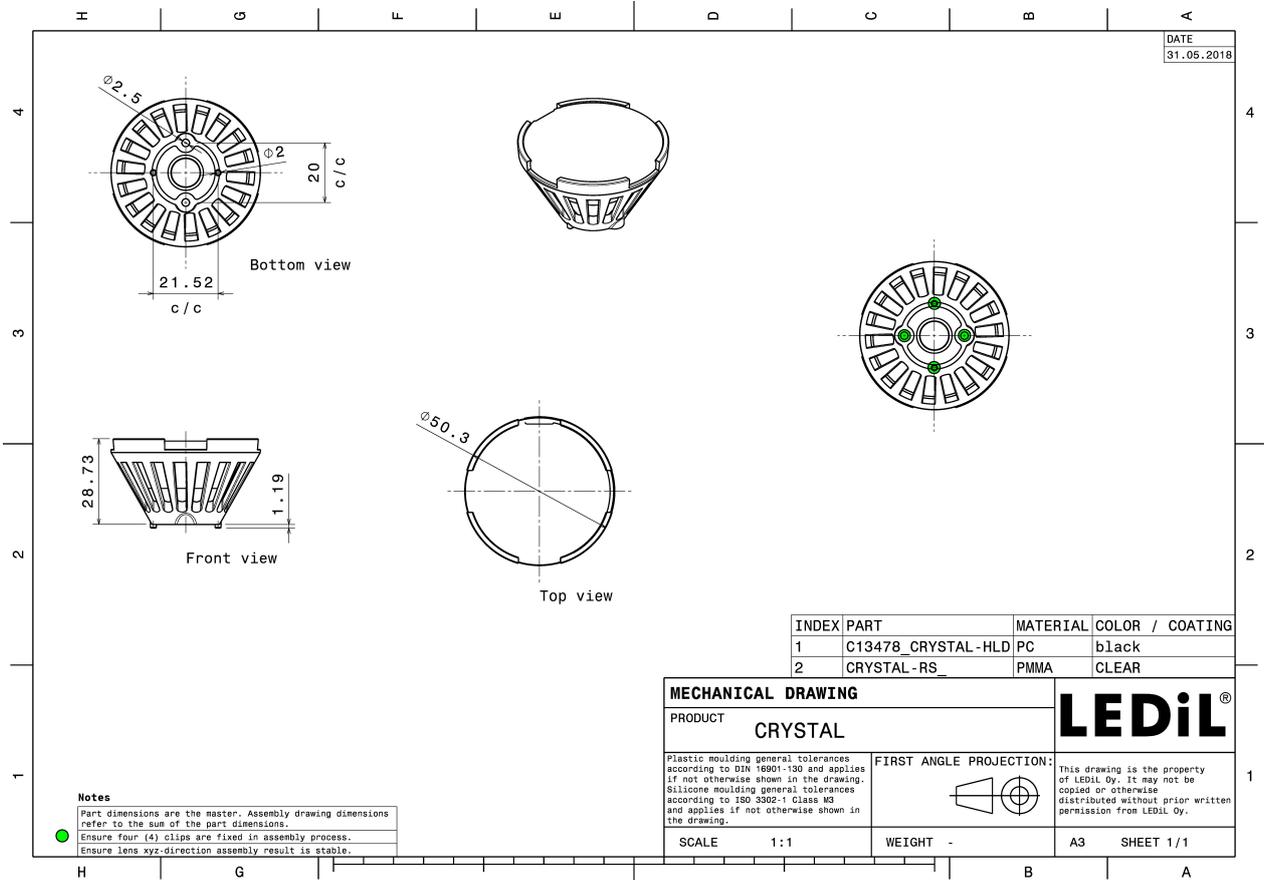
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

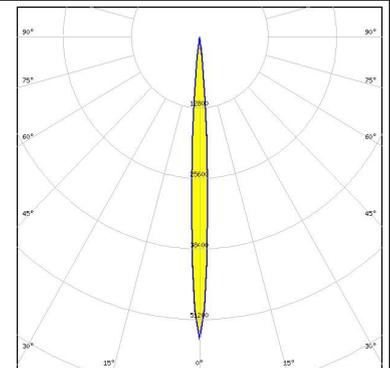
Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCN13552_CRYSTAL-RS	Single lens	288	64	32	0.0
» Box size:					



PHOTOMETRIC DATA (MEASURED):

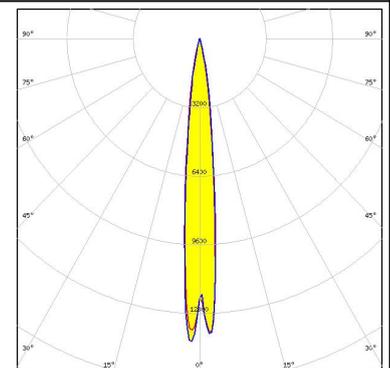
CREE 

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



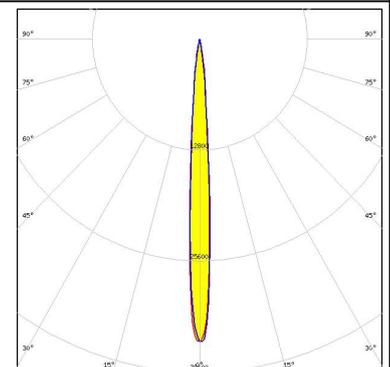
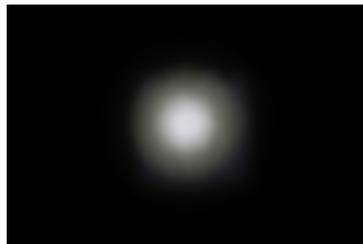
CREE 

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



CREE 

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



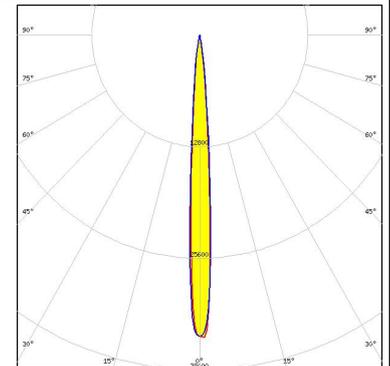
CREE 

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

PHOTOMETRIC DATA (MEASURED):



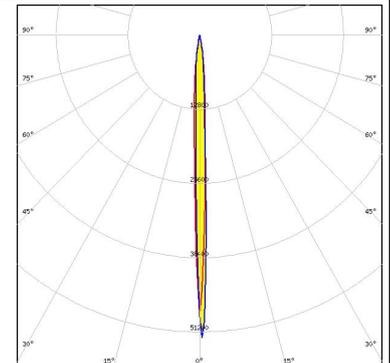
LED XP-L HD
 FWHM 7.0°
 Efficiency 88 %
 Peak intensity 34.7 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:



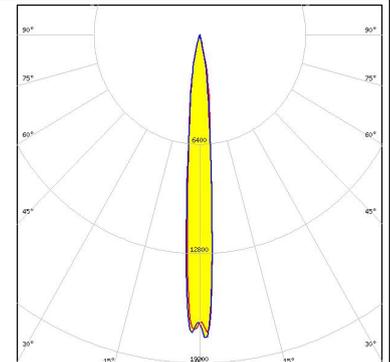
LED XQ-E HI
 FWHM 2.9°
 Efficiency 88 %
 Peak intensity 110.5 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:



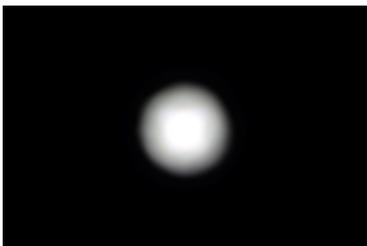
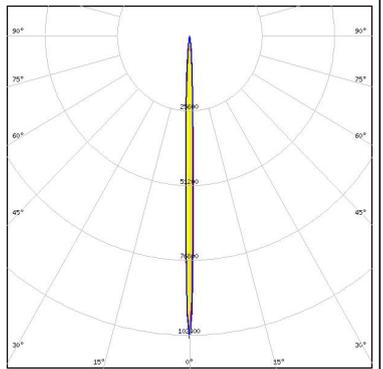
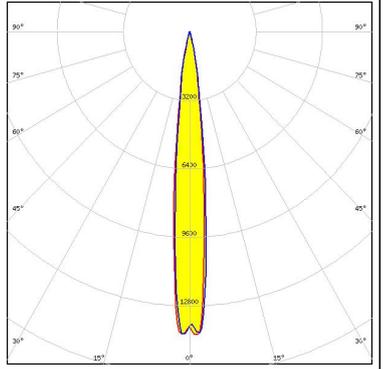
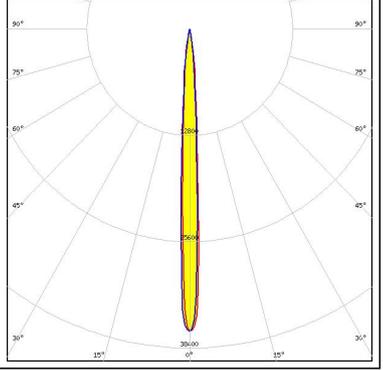
LED LUXEON 3030 2D (Round LES)
 FWHM 4.0°
 Efficiency 94 %
 Peak intensity 52.1 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:



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



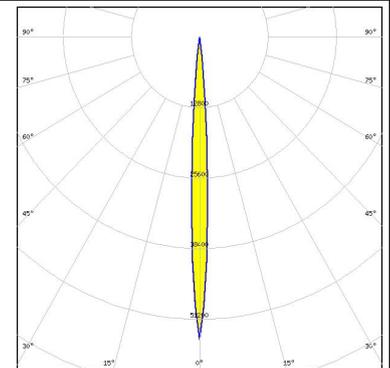
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON A FWHM 5.1° Efficiency 89 % Peak intensity 58.9 cd/Im LEDs/each optic 1 Light colour White Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON Z ES FWHM 3.0° Efficiency 93 % Peak intensity 103.8 cd/Im LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NV4x144A FWHM 12.0° Efficiency 92 % Peak intensity 14.2 cd/Im LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW3x9A FWHM 6.0° Efficiency 89 % Peak intensity 36.5 cd/Im LEDs/each optic 1 Light colour White Required components:</p>		

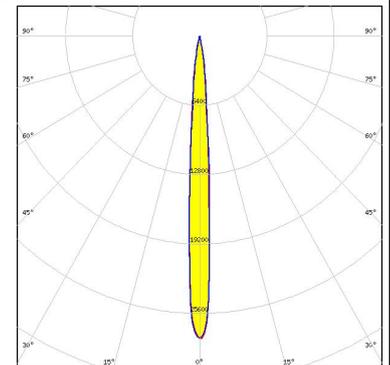
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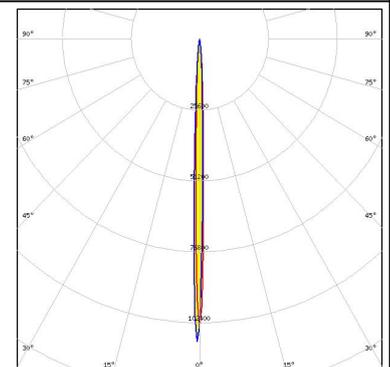
LED NVSxx19B/NVSxx19C
 FWHM 5.3°
 Efficiency 89 %
 Peak intensity 42.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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



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



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



PHOTOMETRIC DATA (MEASURED):

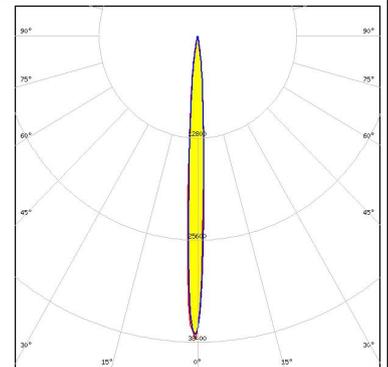
SAMSUNG

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



SEOUL SEMICONDUCTOR

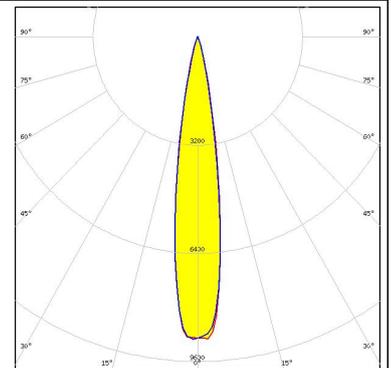
LED Z5M3
FWHM 6.0°
Efficiency 94 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



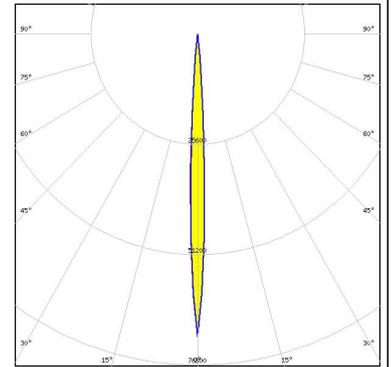
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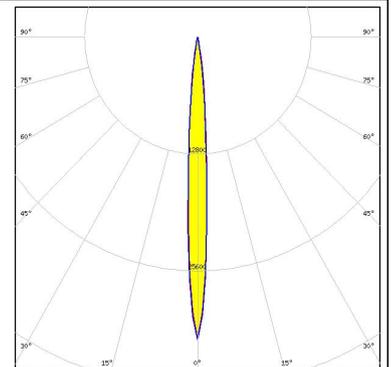
LED XHP70.2
 FWHM 16.0°
 Efficiency 95 %
 Peak intensity 9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



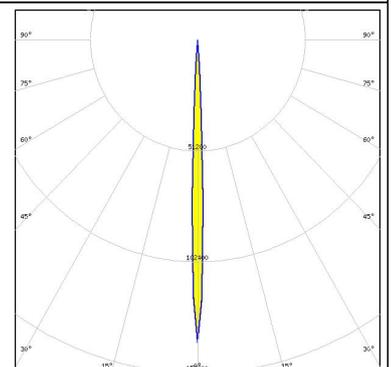
LED XP-L HI
 FWHM 5.6°
 Efficiency 94 %
 Peak intensity 70.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



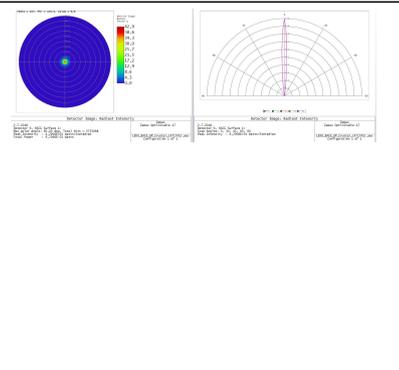
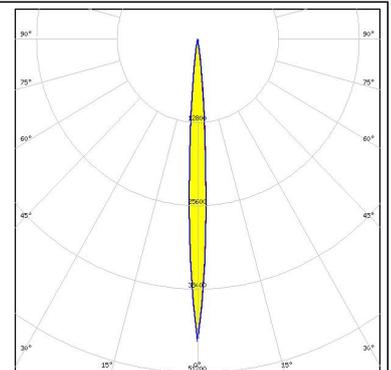
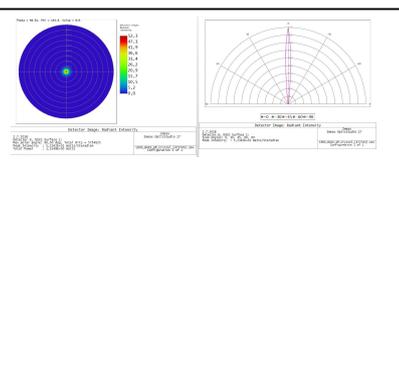
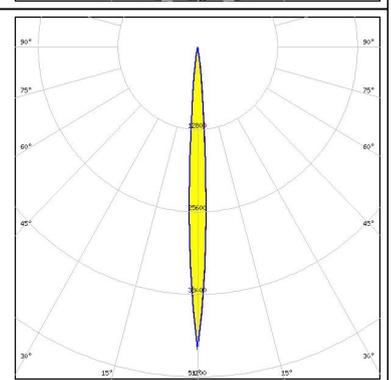
LED SBT-90
 FWHM 8.0°
 Efficiency 97 %
 Peak intensity 33.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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



PHOTOMETRIC DATA (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED SFH 4717AS FWHM 6.7° Efficiency 94 % Peak intensity 46.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED SFH 4727AS FWHM 6.7° Efficiency 94 % Peak intensity 47 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

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.

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