

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 ⓘ

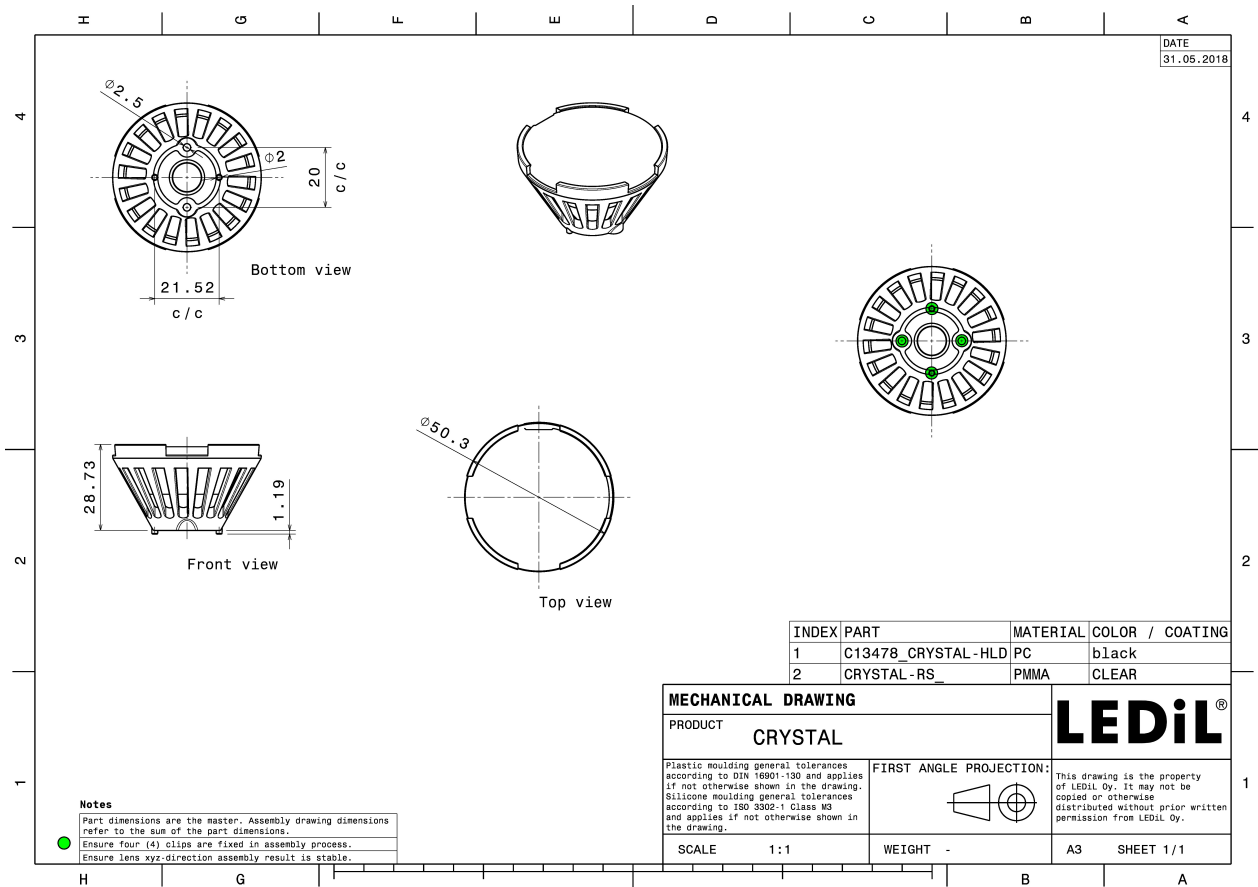
MATERIAL SPECIFICATIONS:

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

Last update: 31/05/2018

Subject to change without prior notice

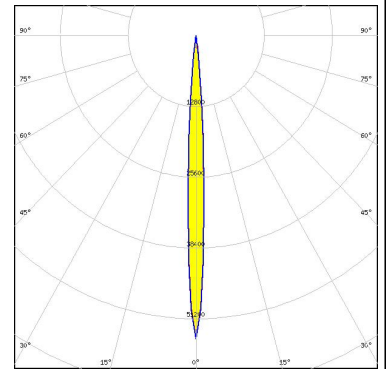
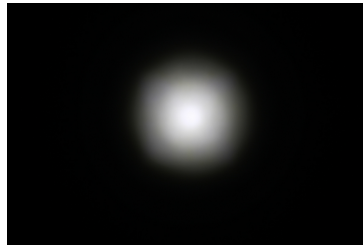
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PHOTOMETRIC DATA (MEASURED):

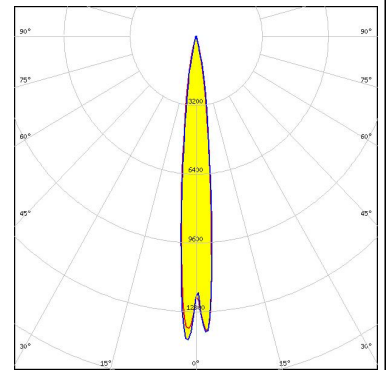
CREE

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



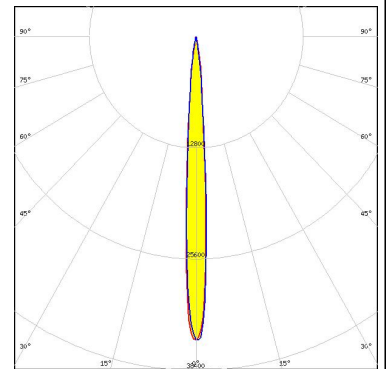
CREE

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:



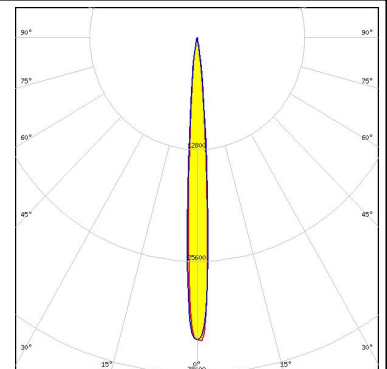
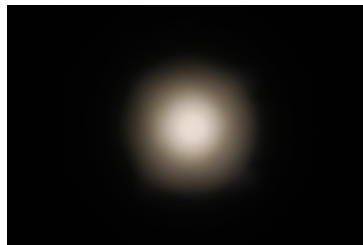
CREE

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

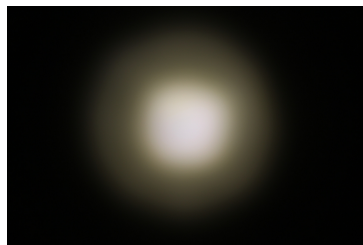
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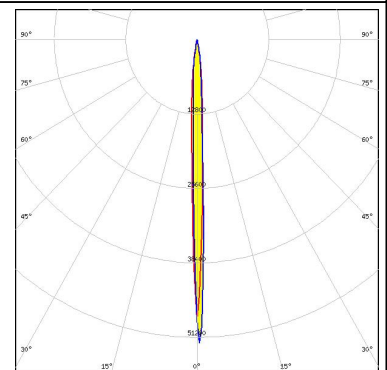
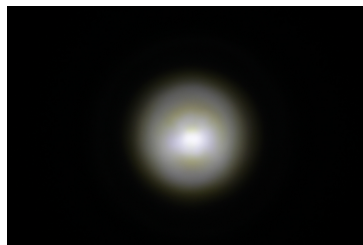
LED XP-L HD
FWHM 7.0°
Efficiency 88 %
Peak intensity 34.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:



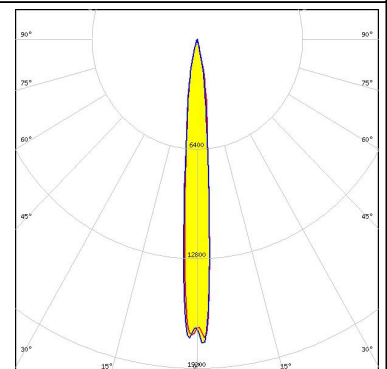
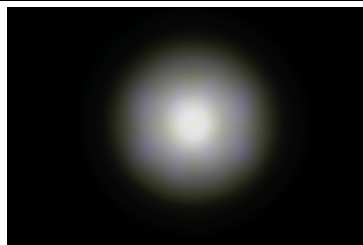
LED XQ-E HI
FWHM 2.9°
Efficiency 88 %
Peak intensity 110.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:



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):

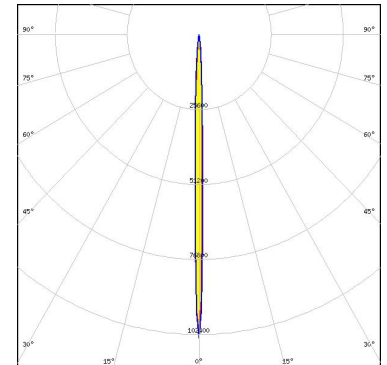
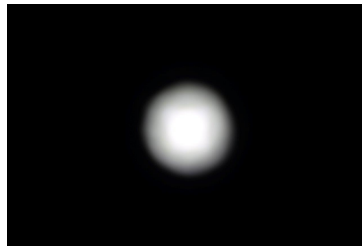
LUMILEDS

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



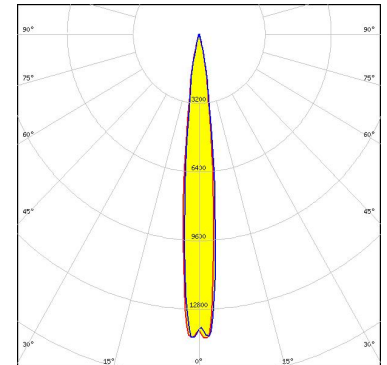
LUMILEDS

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



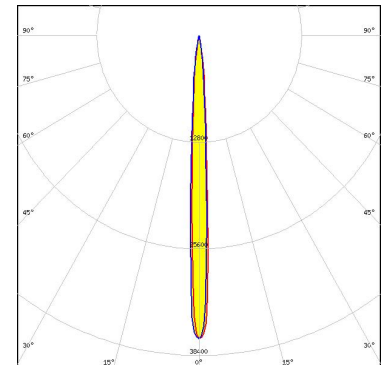
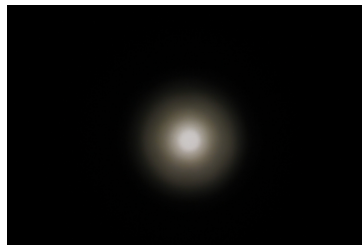
NICHIA

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



NICHIA

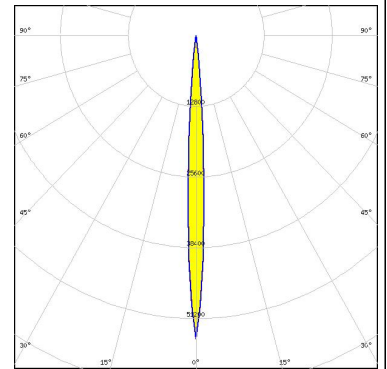
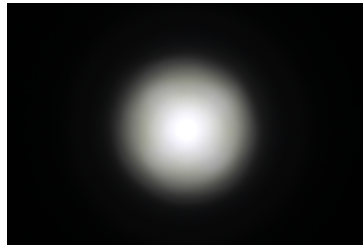
LED NVSW3x9A
FWHM 6.0°
Efficiency 89 %
Peak intensity 36.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:



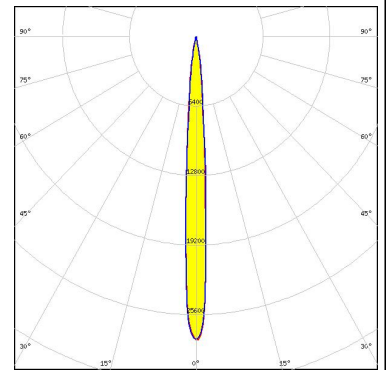
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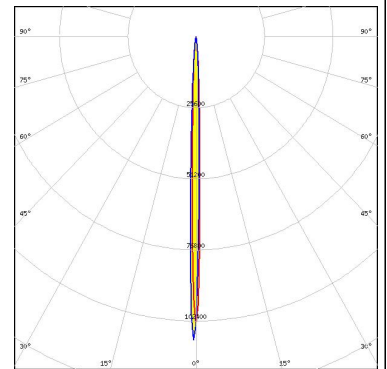
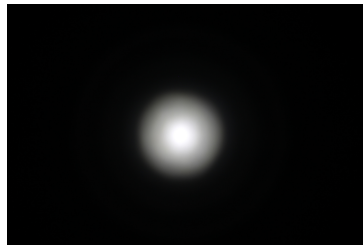
LED NVSxx19B/NVSxx19C
 FWHM 5.3°
 Efficiency 89 %
 Peak intensity 42.5 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:



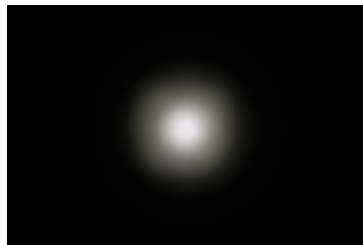
LED NWSx229A
 FWHM 8.0°
 Efficiency 92 %
 Peak intensity 27.9 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:



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



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



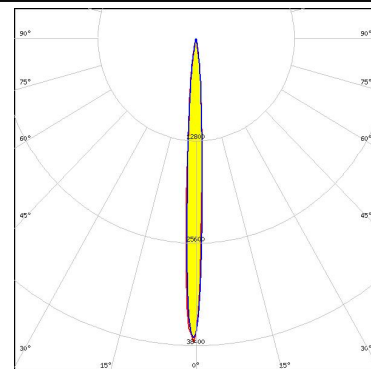
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

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



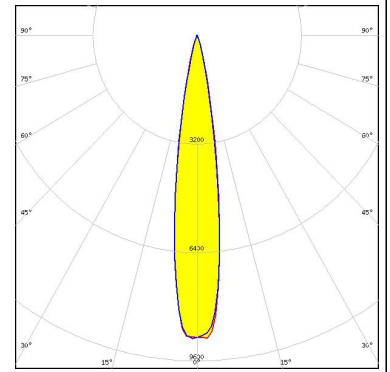
LED Z5M3
FWHM 6.0°
Efficiency 94 %
Peak intensity 3.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):



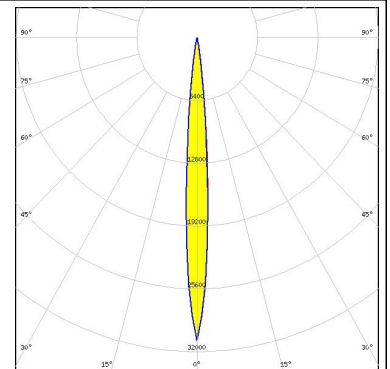
LED XHP70.2
FWHM 16.0°
Efficiency 95 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



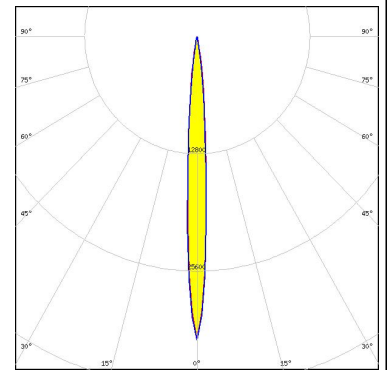
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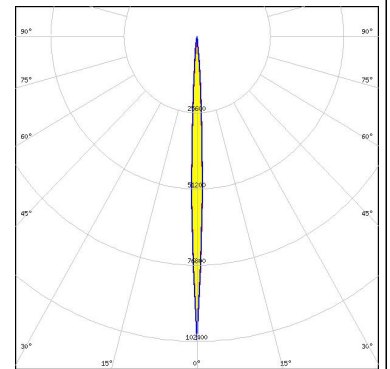
LED LUXEON V
FWHM 8.0°
Efficiency 95 %
Peak intensity 30.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



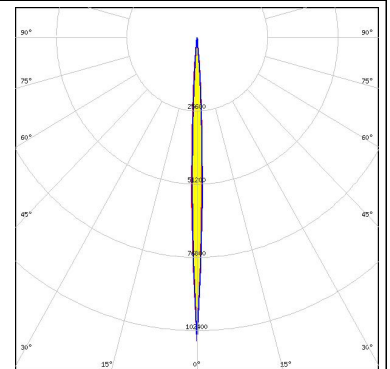
LED SBT-90
FWHM 8.0°
Efficiency 97 %
Peak intensity 33.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



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

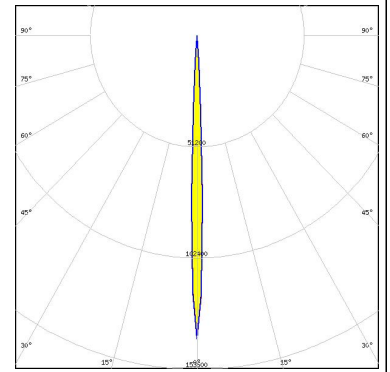


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

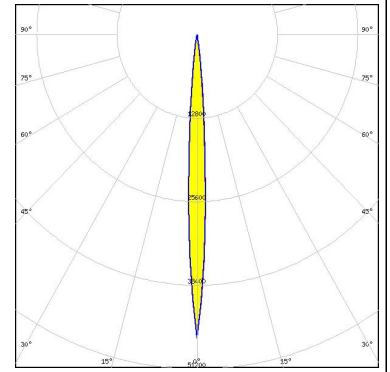
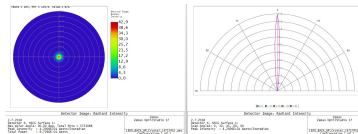
LED OSTAR Projection Compact (Kx.CSLNM1.xx)
 FWHM 4.0°
 Efficiency 94 %
 Peak intensity 139.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

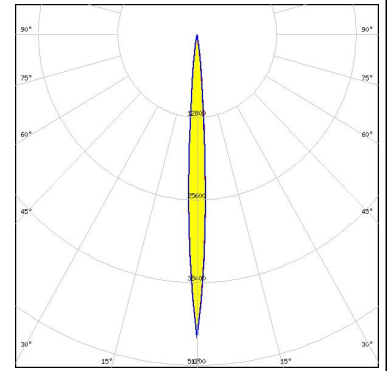
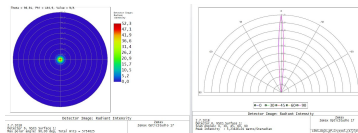
LED SFH 4717AS
 FWHM 6.7°
 Efficiency 94 %
 Peak intensity 46.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED SFH 4727AS
 FWHM 6.7°
 Efficiency 94 %
 Peak intensity 47 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:

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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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