

SEANNA-A

~2.3° spot beam. Assembly with holder.

SPECIFICATION:

Dimensions	Ø 155.2 mm
Height	82 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

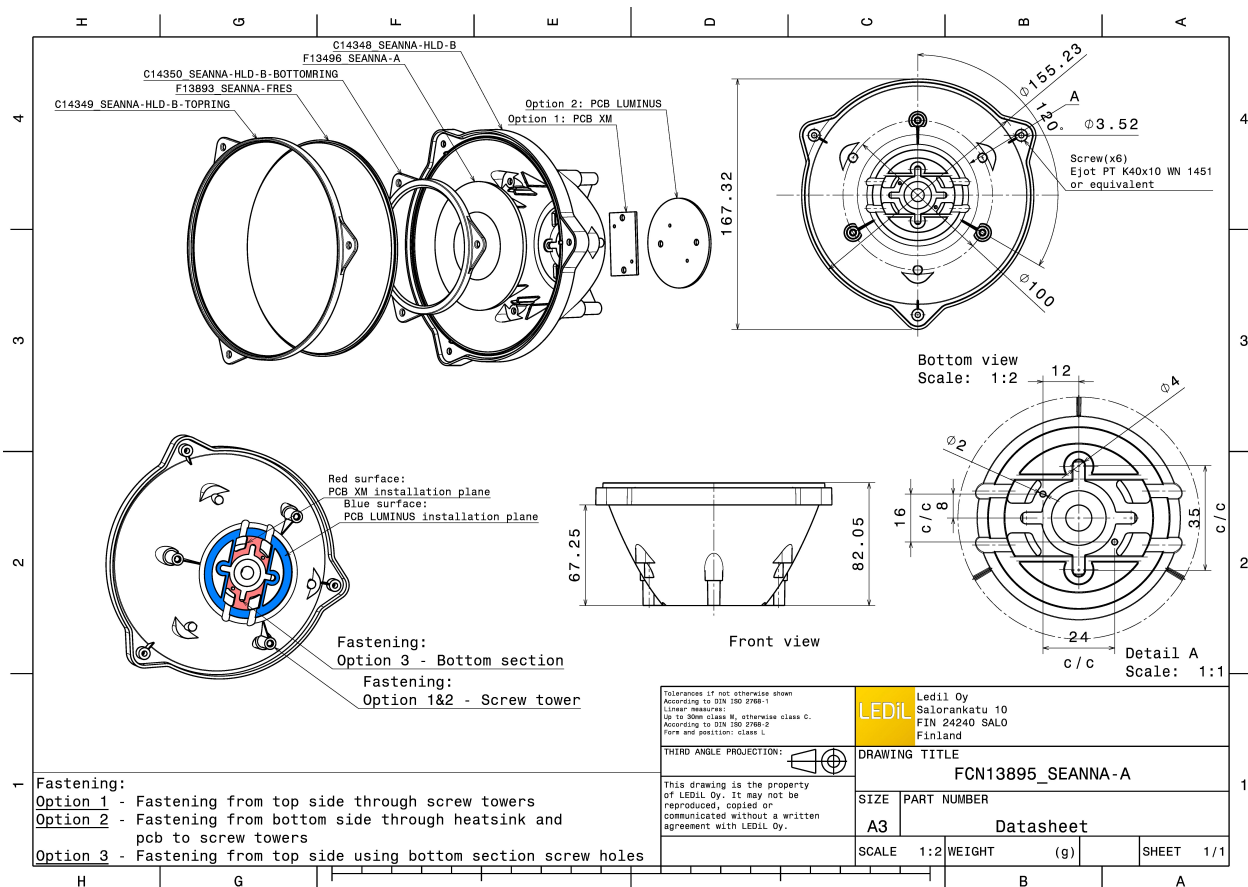
MATERIALS:

Component	Type	Material	Colour	Finish
SEANNA-FRES	Single lens	PMMA	clear	
SEANNA-A	Single lens	PMMA	clear	
SEANNA-HLD-B-BOTTOMRING	Holder	PA66GF30	black	
SEANNA-HLD-B-TOPRING	Holder	PA66GF30	black	
SEANNA-HLD-B	Holder	PA66GF30	black	
SEANNA-SCREW	Accessory	Stainless steel	clear	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP13895_SEANNA-A	Single lens		20	2	6.5
» Box size:					



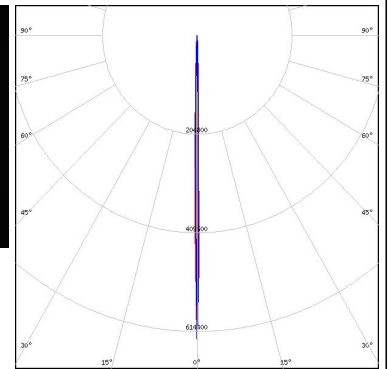
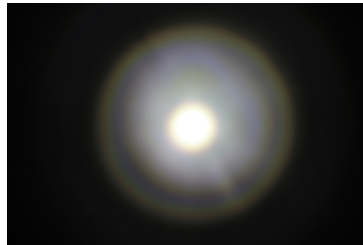


See also our general installation guide: www.ledil.com/installation_guide

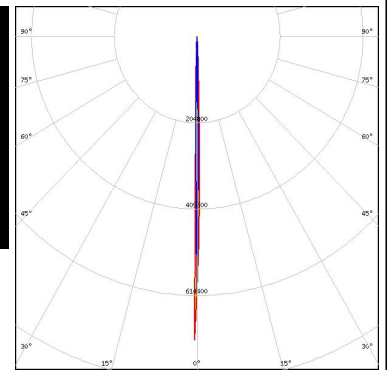
OPTICAL RESULTS (MEASURED):



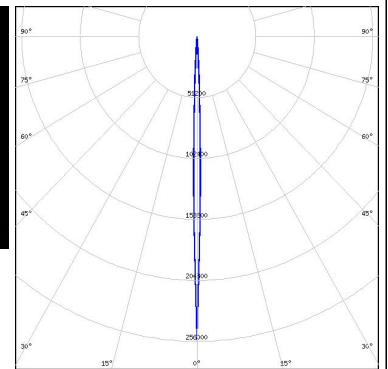
LED XD16
FWHM / FWTM 1.0° / 3.0°
Efficiency 91 %
Peak intensity 629 cd/Im
LEDs/each optic 1
Light colour White
Required components:



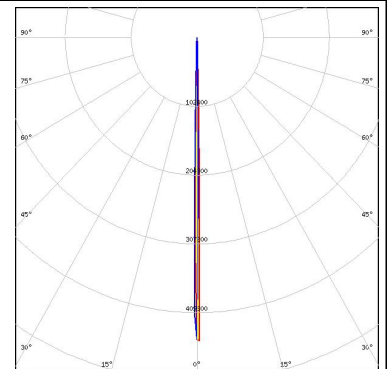
LED XP-E2
FWHM / FWTM 1.0° / 3.0°
Efficiency %
Peak intensity 718 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED XP-L HD
FWHM / FWTM 2.4° / 5.3°
Efficiency 94 %
Peak intensity 255 cd/Im
LEDs/each optic 1
Light colour White
Required components:



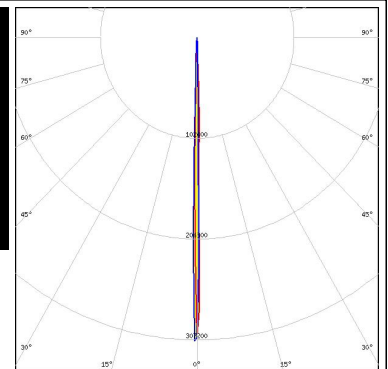
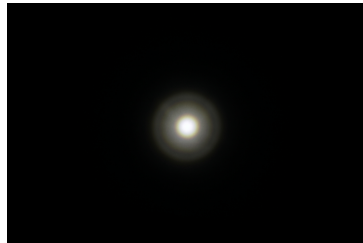
LED XP-L HI
FWHM / FWTM 1.6° / 3.2°
Efficiency 94 %
Peak intensity 492 cd/Im
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

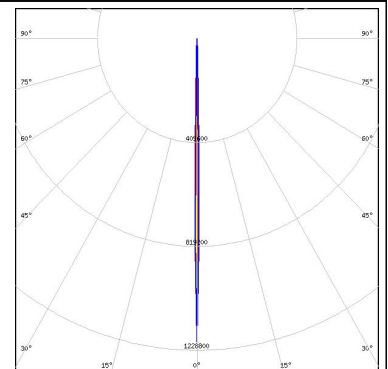


LED NVSW3x9A
FWHM / FWTM 1.9° / 4.1°
Efficiency 92 %
Peak intensity 310 cd/Im
LEDs/each optic 1
Light colour White
Required components:



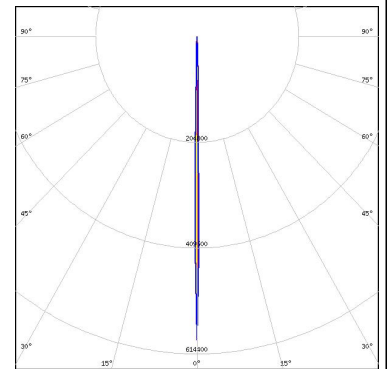
Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)
FWHM / FWTM 1.2° / 2.3°
Efficiency 94 %
Peak intensity 1196 cd/Im
LEDs/each optic 1
Light colour White
Required components:



Opto Semiconductors

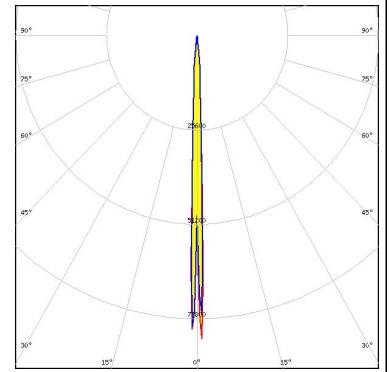
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 1.5° / 3.3°
Efficiency 94 %
Peak intensity 587 cd/Im
LEDs/each optic 1
Light colour White
Required components:



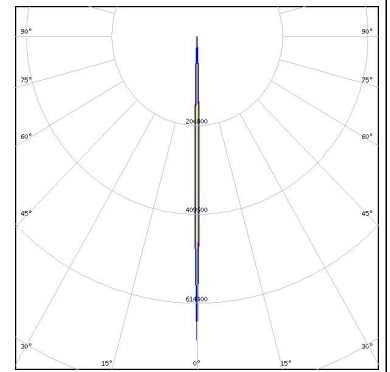
OPTICAL RESULTS (SIMULATED):



LED MK-R
FWHM / FWTM 4.0° / 10.4°
Efficiency 91 %
Peak intensity 82 cd/lm
LEDs/each optic 1
Light colour White
Required components:



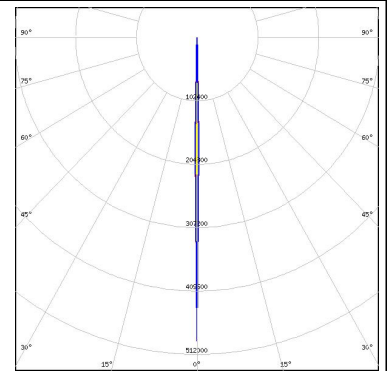
LED XB-D
FWHM / FWTM 1.3° / 3.2°
Efficiency 87 %
Peak intensity 698 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XHP35 HD
FWHM / FWTM 2.4° / 4.2°
Efficiency 89 %
Peak intensity 257 cd/lm
LEDs/each optic 1
Light colour White
Required components:



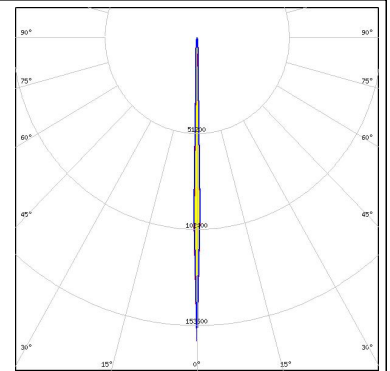
LED XHP35 HI
FWHM / FWTM 1.6° / 3.6°
Efficiency 83 %
Peak intensity 496 cd/lm
LEDs/each optic 1
Light colour White
Required components:



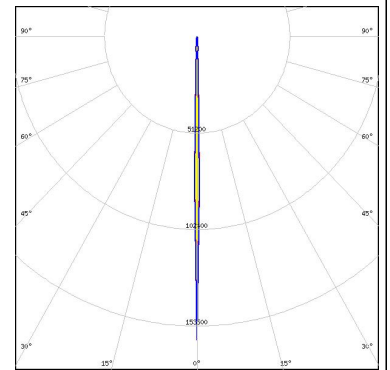
OPTICAL RESULTS (SIMULATED):



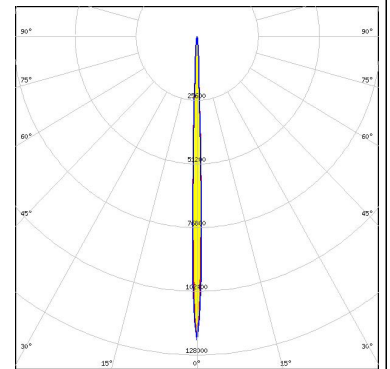
LED XHP35.2 HD
FWHM / FWTM 2.0° / 6.0°
Efficiency 89 %
Peak intensity 161.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



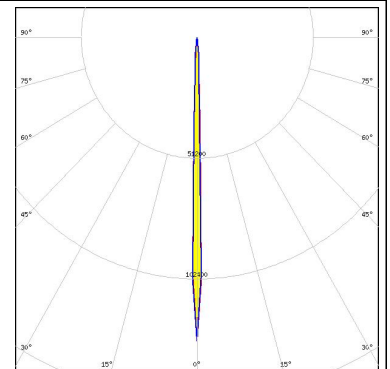
LED XHP35.2 HI
FWHM / FWTM 2.0° / 4.0°
Efficiency 89 %
Peak intensity 161 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XHP50
FWHM / FWTM 3.3° / 6.7°
Efficiency 87 %
Peak intensity 122 cd/lm
LEDs/each optic 1
Light colour White
Required components:



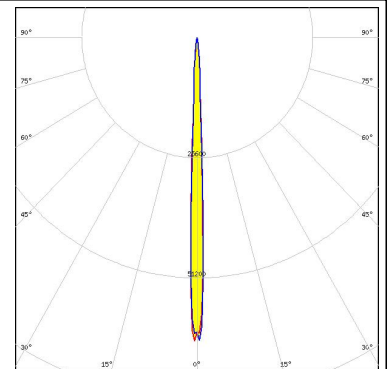
LED XHP50.2
FWHM / FWTM 2.7° / 6.8°
Efficiency 84 %
Peak intensity 128.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



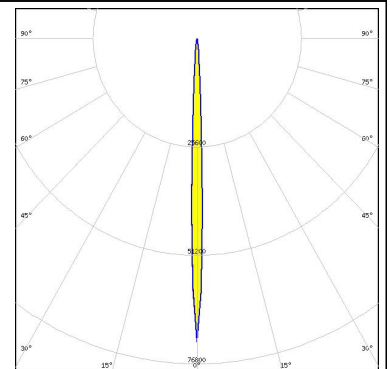
OPTICAL RESULTS (SIMULATED):



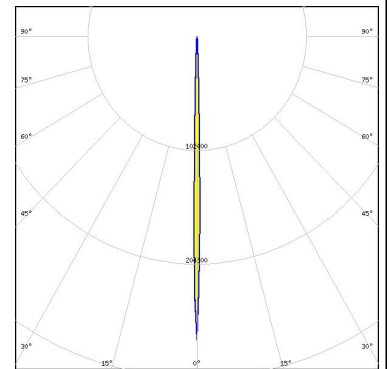
LED XHP70
FWHM / FWTM 4.3° / 10.4°
Efficiency 81 %
Peak intensity 69.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



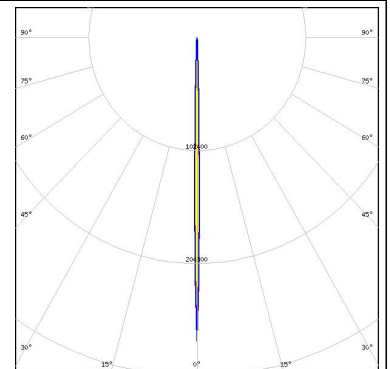
LED XHP70.2
FWHM / FWTM 4.5° / 10.1°
Efficiency 83 %
Peak intensity 71.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XM-L
FWHM / FWTM 2.4°
Efficiency %
Peak intensity 272 cd/lm
LEDs/each optic 1
Light colour White
Required components:



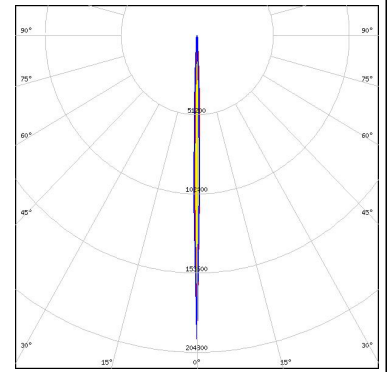
LED XM-L2
FWHM / FWTM 2.0° / 3.9°
Efficiency 85 %
Peak intensity 275 cd/lm
LEDs/each optic 1
Light colour White
Required components:



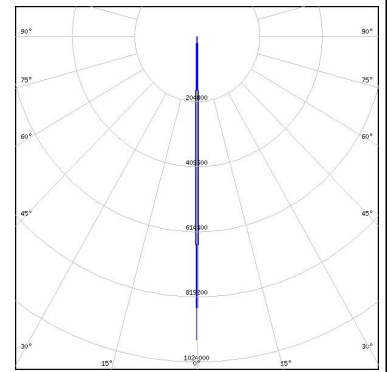
OPTICAL RESULTS (SIMULATED):



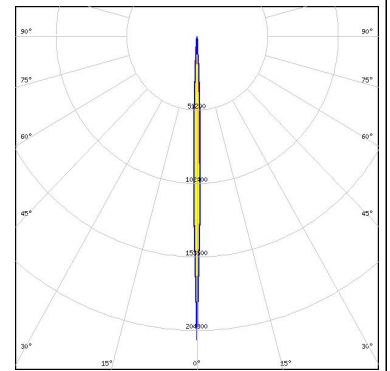
LED XM-L3
FWHM / FWTM 2.0° / 6.0°
Efficiency 90 %
Peak intensity 196.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



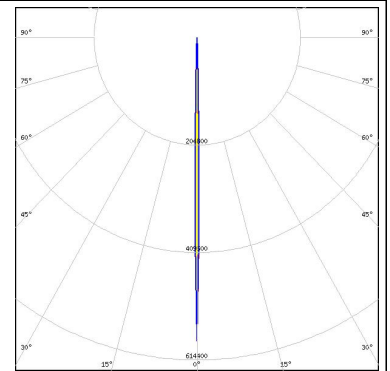
LED XP-E
FWHM / FWTM 1.2° / 2.9°
Efficiency 92 %
Peak intensity 955 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E2
FWHM / FWTM 2.0° / 6.0°
Efficiency 85 %
Peak intensity 211.5 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



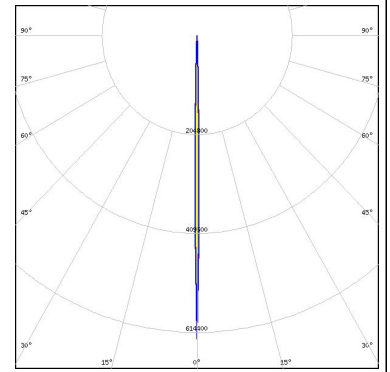
LED XP-G
FWHM / FWTM 1.4° / 3.4°
Efficiency 90 %
Peak intensity 578 cd/lm
LEDs/each optic 1
Light colour White
Required components:



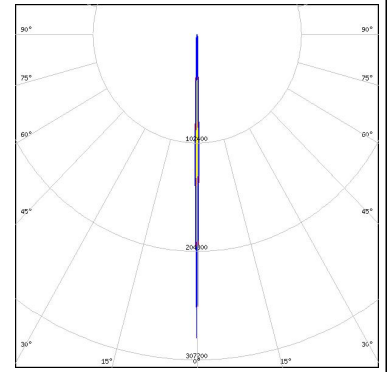
OPTICAL RESULTS (SIMULATED):



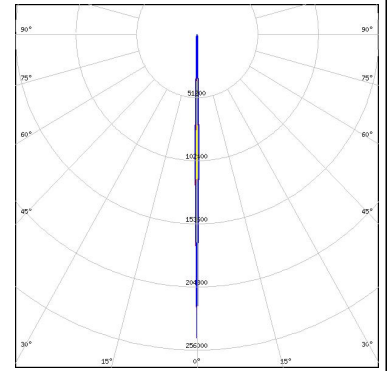
LED XP-G2
FWHM / FWTM 1.4° / 3.2°
Efficiency 91 %
Peak intensity 628 cd/lm
LEDs/each optic 1
Light colour White
Required components:



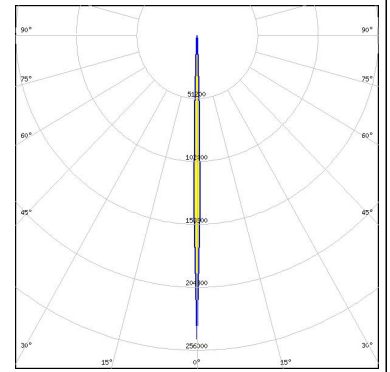
LED XP-G2 HE
FWHM / FWTM 2.0° / 4.0°
Efficiency 89 %
Peak intensity 286.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G3
FWHM / FWTM 2.0° / 4.0°
Efficiency 88 %
Peak intensity 246.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



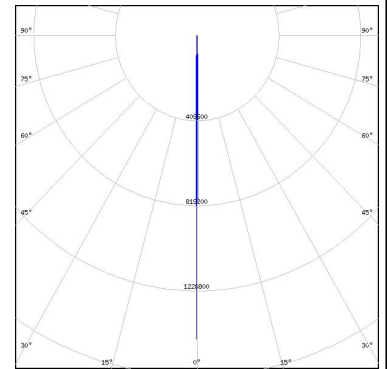
LED XP-P
FWHM / FWTM 2.0° / 6.0°
Efficiency 84 %
Peak intensity 246.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



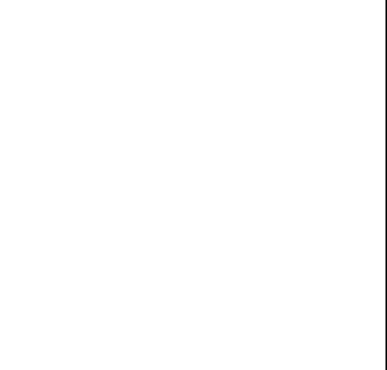
OPTICAL RESULTS (SIMULATED):



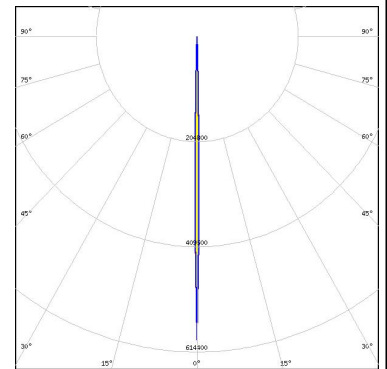
LED XQ-E HD
FWHM / FWTM 1.1° / 2.5°
Efficiency 92 %
Peak intensity 1460 cd/Im
LEDs/each optic 1
Light colour White
Required components:



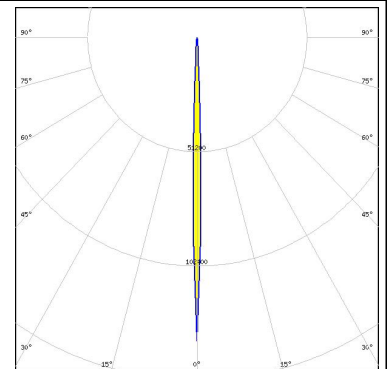
LED XQ-E HI
FWHM / FWTM 1.2° / 2.0°
Efficiency 90 %
Peak intensity 1300 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED XT-E
FWHM / FWTM 1.4° / 3.5°
Efficiency 88 %
Peak intensity 519 cd/Im
LEDs/each optic 1
Light colour White
Required components:



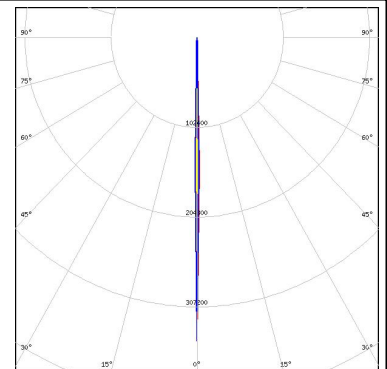
LED LZ4 (00xW00)
FWHM / FWTM 3.3° / 8.2°
Efficiency 91 %
Peak intensity 136 cd/Im
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

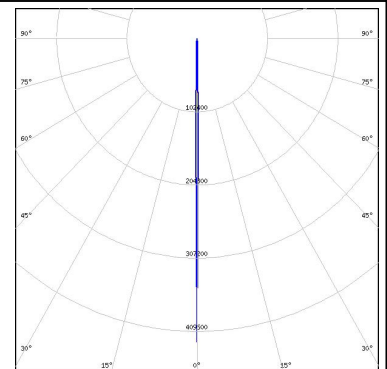
LUMILEDS

LED LUXEON CZ
FWHM / FWTM 1.7° / 3.9°
Efficiency 93 %
Peak intensity 346 cd/lm
LEDs/each optic 1
Light colour White
Required components:



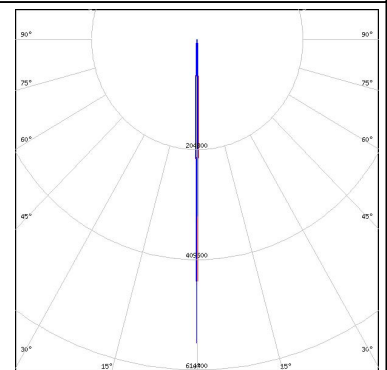
LUMILEDS

LED LUXEON CZ
FWHM / FWTM 1.4° / 3.7°
Efficiency 94 %
Peak intensity 424 cd/lm
LEDs/each optic 1
Light colour Green
Required components:



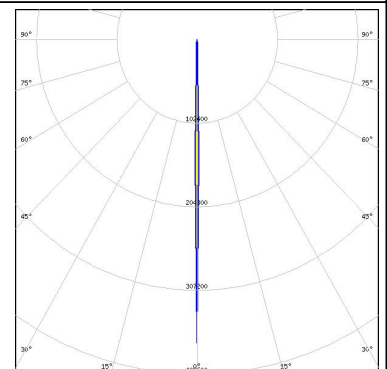
LUMILEDS

LED LUXEON CZ
FWHM / FWTM 1.2° / 3.3°
Efficiency 94 %
Peak intensity 564 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



LUMILEDS

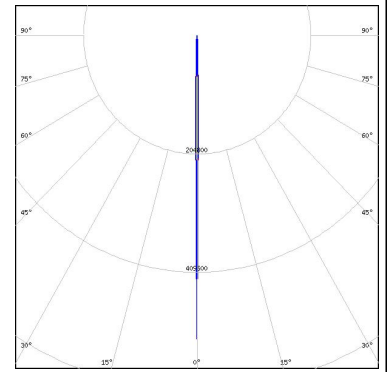
LED LUXEON CZ
FWHM / FWTM 1.6° / 3.8°
Efficiency 93 %
Peak intensity 371 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



OPTICAL RESULTS (SIMULATED):

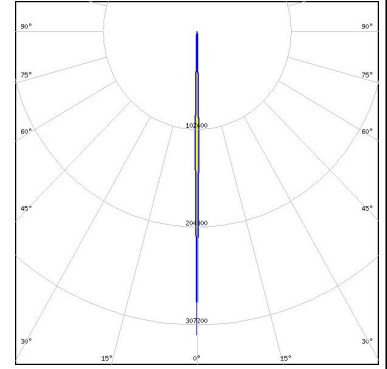
LUMILEDS

LED LUXEON CZ
FWHM / FWTM 1.3° / 3.4°
Efficiency 94 %
Peak intensity 564 cd/lm
LEDs/each optic 1
Light colour PC Amber
Required components:



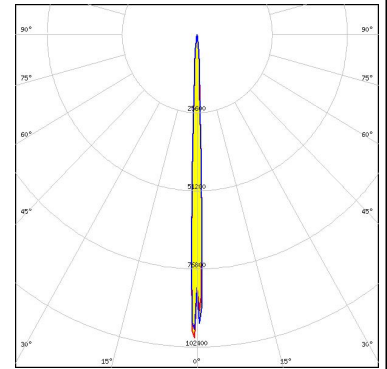
LUMILEDS

LED LUXEON HL2X
FWHM / FWTM 2.0° / 4.0°
Efficiency 89 %
Peak intensity 317.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



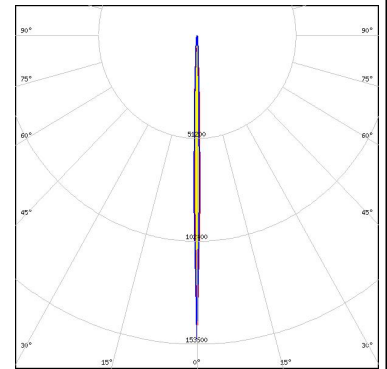
LUMILEDS

LED LUXEON M/MX
FWHM / FWTM 3.6° / 9.0°
Efficiency 89 %
Peak intensity 99 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

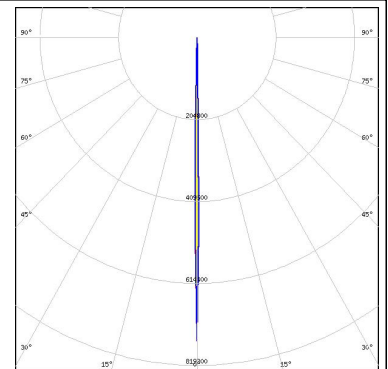
LED LUXEON MZ
FWHM / FWTM 2.2° / 6.0°
Efficiency 84 %
Peak intensity 151 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

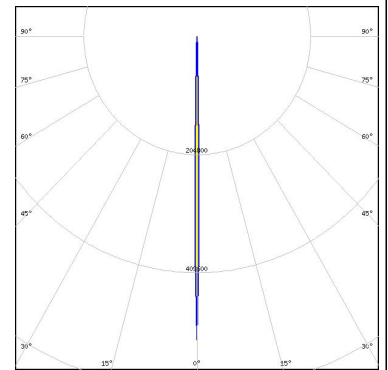
LUMILEDS

LED LUXEON Rebel
FWHM / FWTM 1.3° / 3.2°
Efficiency 90 %
Peak intensity 704 cd/lm
LEDs/each optic 1
Light colour White
Required components:



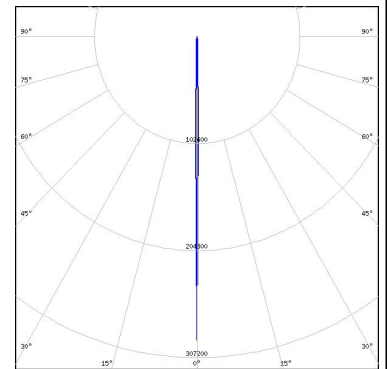
LUMILEDS

LED LUXEON Rebel ES
FWHM / FWTM 1.6° / 3.6°
Efficiency 90 %
Peak intensity 530 cd/lm
LEDs/each optic 1
Light colour White
Required components:



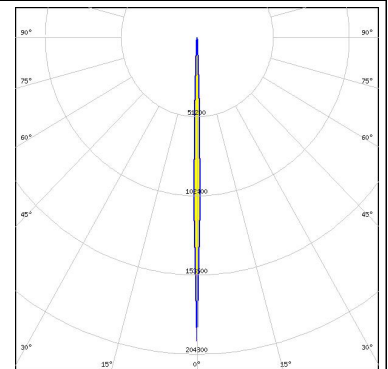
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 2.0° / 4.0°
Efficiency 88 %
Peak intensity 290.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

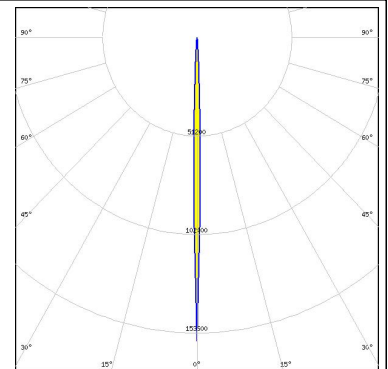
LED LUXEON Rubix
FWHM / FWTM 2.0° / 6.0°
Efficiency 85 %
Peak intensity 196.2 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



OPTICAL RESULTS (SIMULATED):

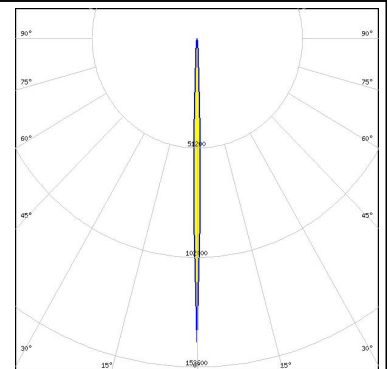
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 2.0° / 6.0°
Efficiency 83 %
Peak intensity 157.7 cd/lm
LEDs/each optic 1
Light colour Green
Required components:



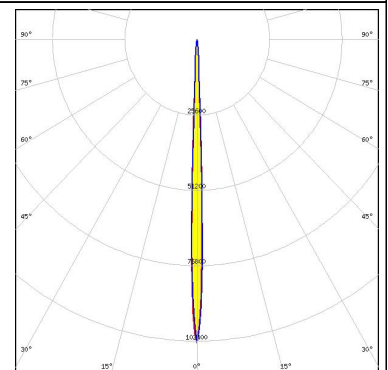
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 2.0° / 6.0°
Efficiency 83 %
Peak intensity 141.9 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



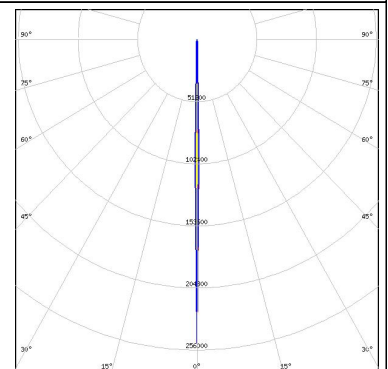
LUMILEDS

LED LUXEON S1000
FWHM / FWTM 3.8° / 8.0°
Efficiency 88 %
Peak intensity 100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

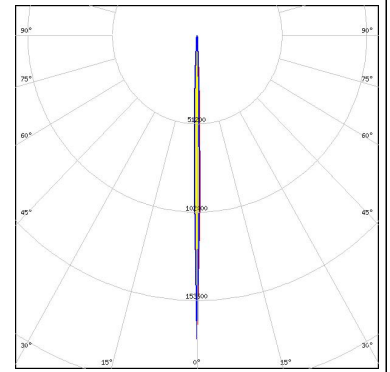
LED LUXEON V2
FWHM / FWTM 2.0° / 4.0°
Efficiency 88 %
Peak intensity 250.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



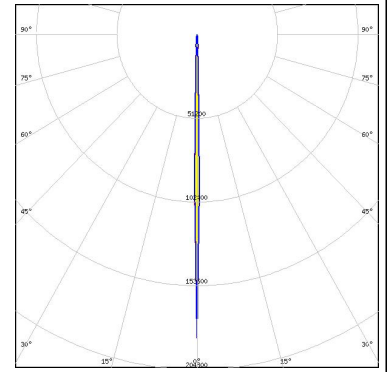
OPTICAL RESULTS (SIMULATED):



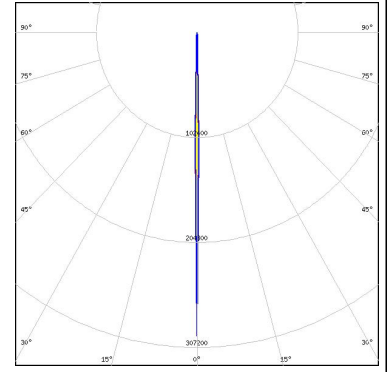
LED SBT-90
FWHM / FWTM 2.0° / 6.0°
Efficiency 76 %
Peak intensity 175.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



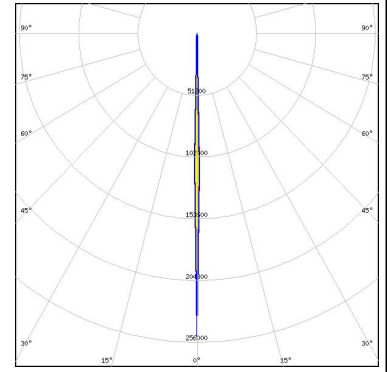
LED NV4WB35AM
FWHM / FWTM 2.0° / 4.0°
Efficiency 90 %
Peak intensity 185.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW219F
FWHM / FWTM 2.0° / 4.0°
Efficiency 89 %
Peak intensity 296 cd/lm
LEDs/each optic 1
Light colour White
Required components:



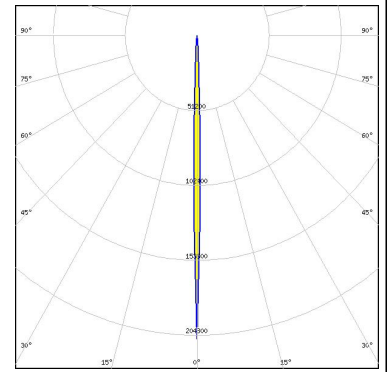
LED NVSW519A
FWHM / FWTM 2.0° / 4.0°
Efficiency 89 %
Peak intensity 251.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



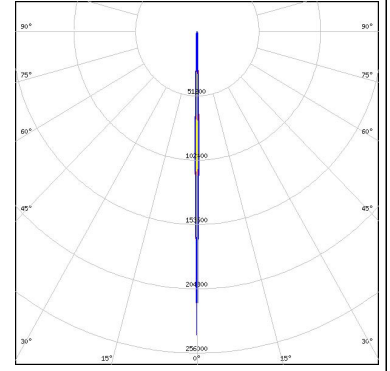
OPTICAL RESULTS (SIMULATED):



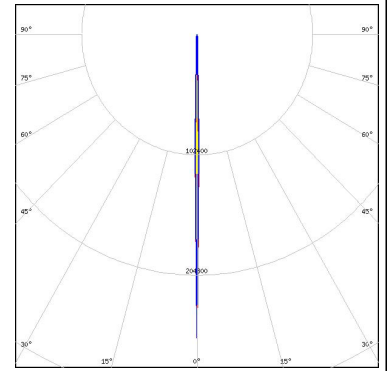
LED NVSW719AC
 FWHM / FWTM 2.0° / 6.0°
 Efficiency 85 %
 Peak intensity 207.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



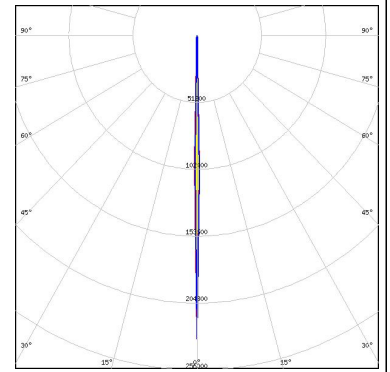
LED OSCONIQ C 2424
 FWHM / FWTM 2.0° / 4.0°
 Efficiency 90 %
 Peak intensity 241.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM 2.0° / 4.0°
 Efficiency 89 %
 Peak intensity 258.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 2.0° / 4.0°
 Efficiency 90 %
 Peak intensity 232.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

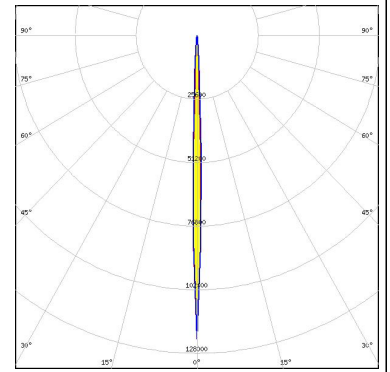


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

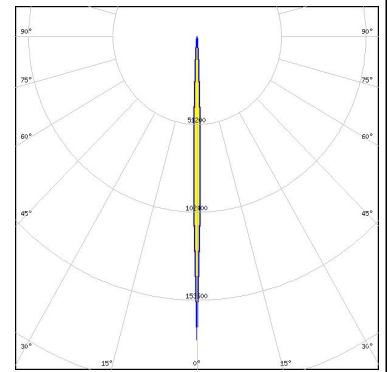
LED OSCONIQ P 7070
FWHM / FWTM 3.5° / 7.1°
Efficiency 91 %
Peak intensity 122.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

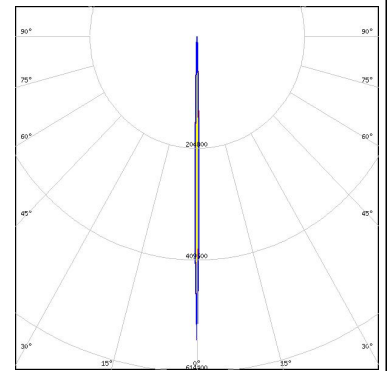
LED OSLON Boost HX (KW CULPM1.TG)
FWHM / FWTM 2.0° / 6.0°
Efficiency 92 %
Peak intensity 176.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

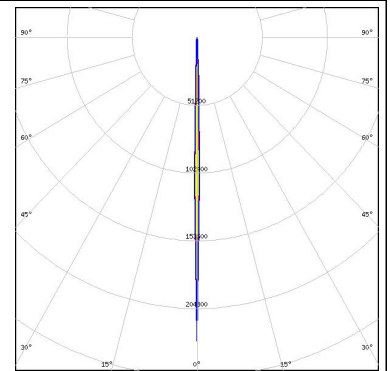
LED OSLON Square PC
FWHM / FWTM 1.5° / 3.6°
Efficiency 89 %
Peak intensity 550 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

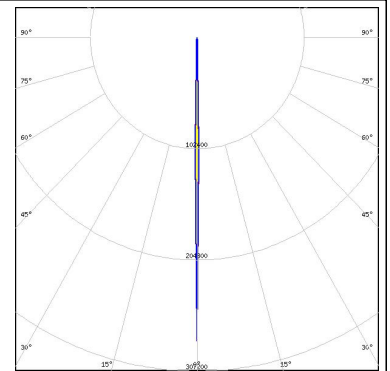
LED OSRAM OSTAR Projection Compact (KW CSLPM1.TG)
FWHM / FWTM 2.0° / 4.0°
Efficiency 90 %
Peak intensity 229.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

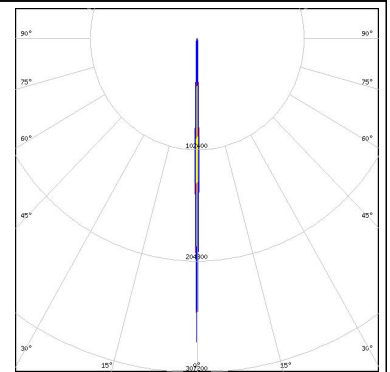
SAMSUNG

LED LH351B
FWHM / FWTM 2.0° / 4.0°
Efficiency 90 %
Peak intensity 279.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



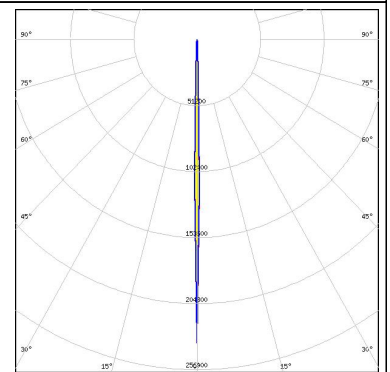
SAMSUNG

LED LH351C
FWHM / FWTM 2.0° / 4.0°
Efficiency 91 %
Peak intensity 279.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



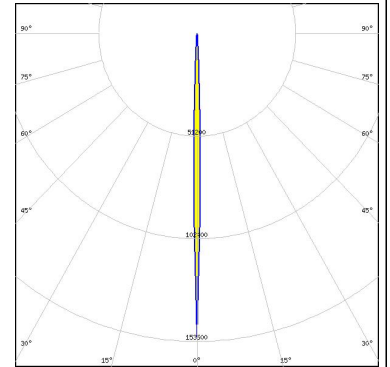
SAMSUNG

LED LH351D
FWHM / FWTM 2.0° / 4.0°
Efficiency 91 %
Peak intensity 235.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z5M3
FWHM / FWTM 1.4° / 3.3°
Efficiency 94 %
Peak intensity 151.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM 1.7° / 3.5°</p> <p>Efficiency 96 %</p> <p>Peak intensity 149.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y50P</p> <p>FWHM / FWTM 3.0° / 7.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 90.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>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:

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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

Local sales and technical support

[www.ledil.com/
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