

EMILY-RS

~8° spot beam. 14.74 mm high lens.

SPECIFICATION:

Dimensions	Ø 26.0 mm
Height	14.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

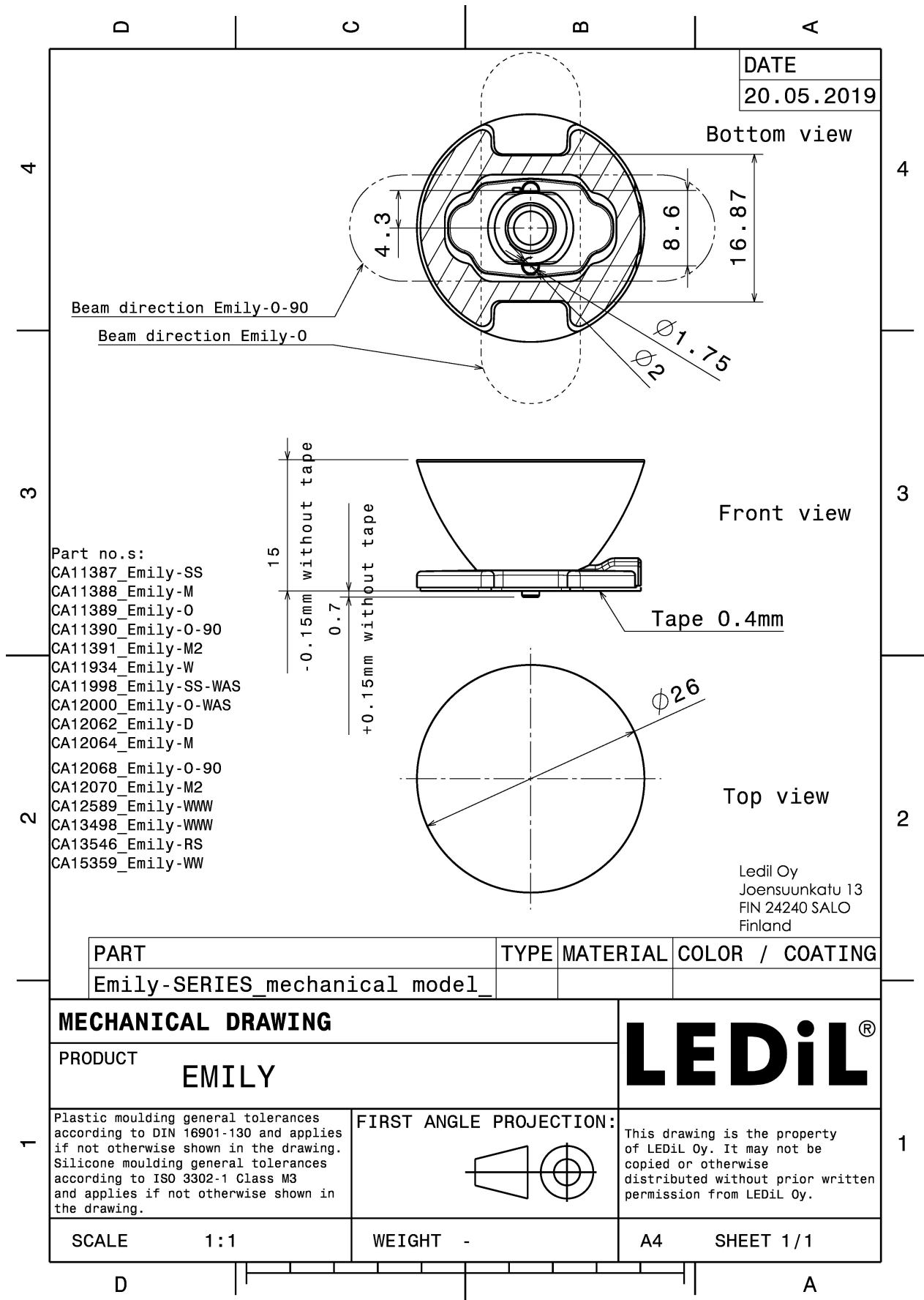
MATERIALS:

Component	Type	Material	Colour	Finish
EMILY-RS	Single lens	PMMA	clear	
SPUTNIK-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA13546_EMILY-RS » Box size: 480 x 280 x 300 mm	Single lens	1690	260	130	10.3



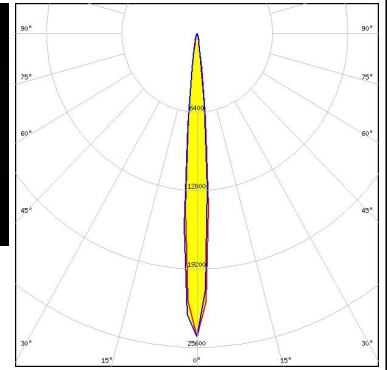


See also our general installation guide: www.ledil.com/installation_guide

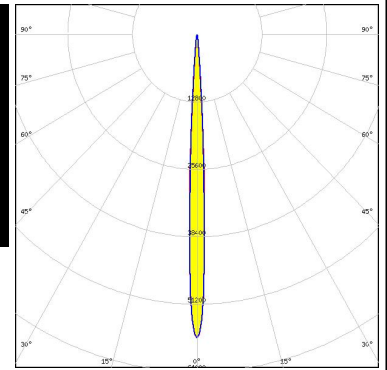
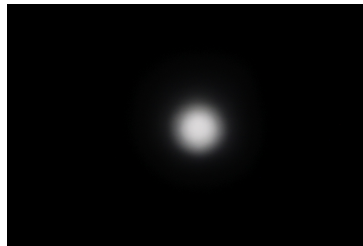
OPTICAL RESULTS (MEASURED):



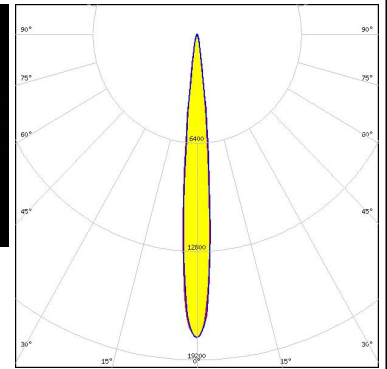
LED XB-H
 FWHM / FWTM 9.0° / 17.0°
 Efficiency 88 %
 Peak intensity 24.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



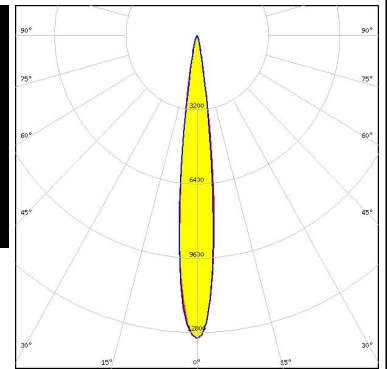
LED XP-E2
 FWHM / FWTM 6.0° / 11.0°
 Efficiency 96 %
 Peak intensity 57.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




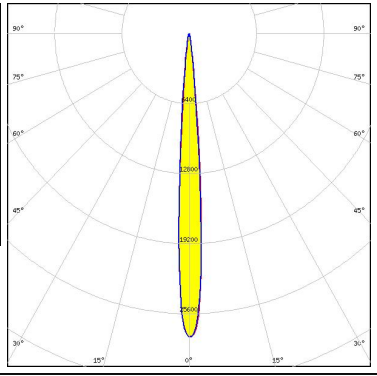

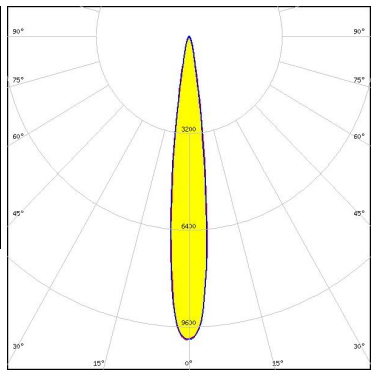

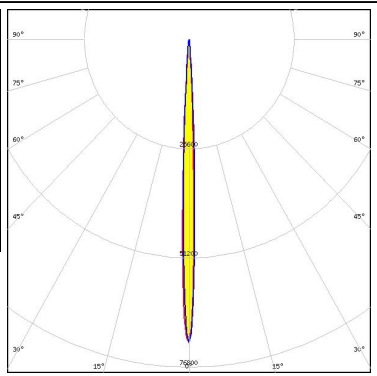

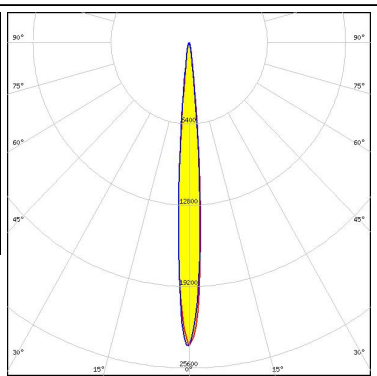
LED XP-G3
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 94 %
 Peak intensity 18 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




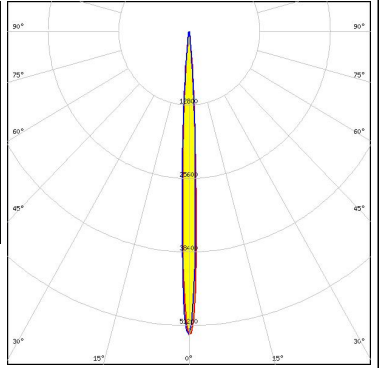

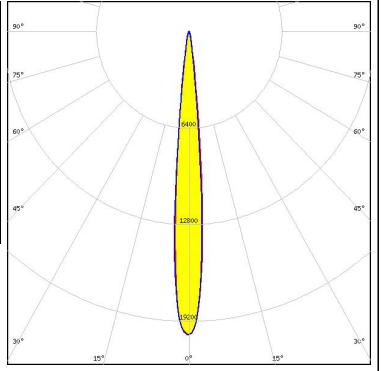

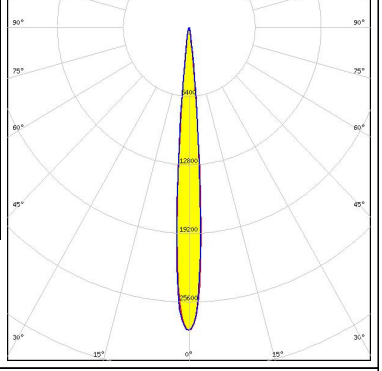


LED XP-L HD
 FWHM / FWTM 13.0° / 23.0°
 Efficiency 89 %
 Peak intensity 13.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



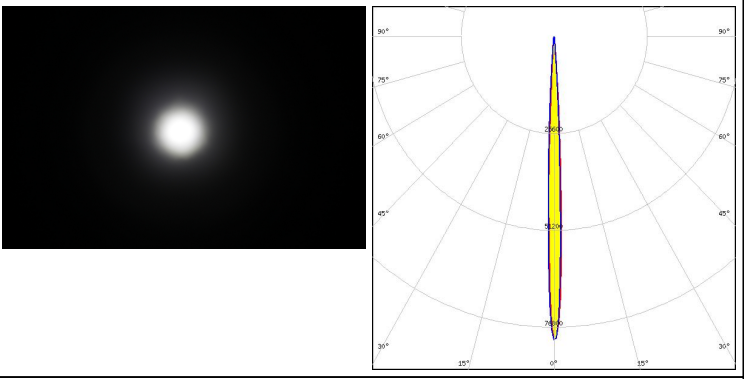
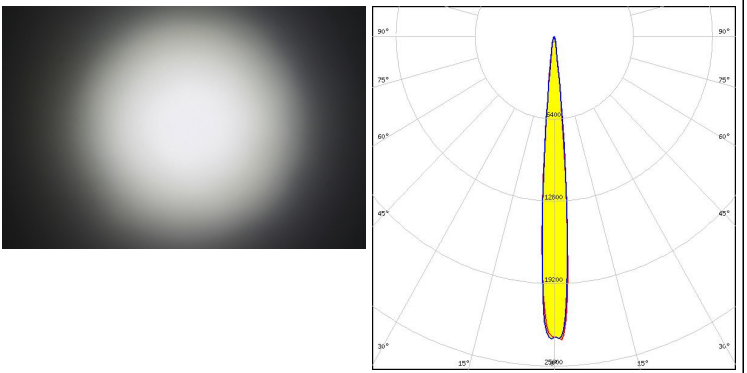
OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED XP-L HI FWHM / FWTM 8.0° / 15.0° Efficiency 88 % Peak intensity 28 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XP-L2 FWHM / FWTM 13.0° / 25.0° Efficiency 93 % Peak intensity 10 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XQ-E HI FWHM / FWTM 4.0° / 9.0° Efficiency 94 % Peak intensity 71.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XT-E FWHM / FWTM 8.0° / 16.0° Efficiency 91 % Peak intensity 23.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 5.0° / 11.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 52 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSW219D</p> <p>FWHM / FWTM 10.0° / 18.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 20.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSW719AC</p> <p>FWHM / FWTM 9.0° / 15.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 28.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square EC</p> <p>FWHM / FWTM 8.0° / 15.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 29.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

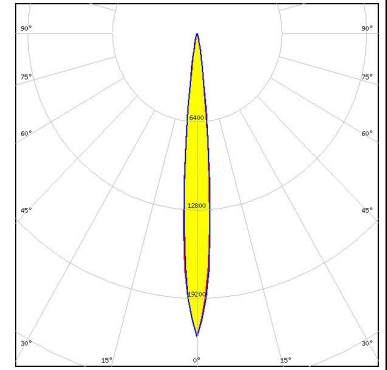
OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED PLPVEC2 850A FWHM / FWTM 4.0° / 11.0° Efficiency % LEDs/each optic 1 Light colour IR Required components:</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED nPola FWHM / FWTM 5.0° Efficiency 94 % Peak intensity 81.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM / FWTM 9.0° / 15.0° Efficiency 91 % Peak intensity 23.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

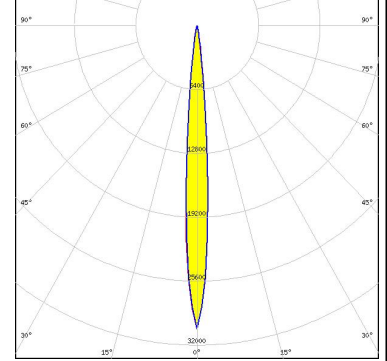
OPTICAL RESULTS (SIMULATED):



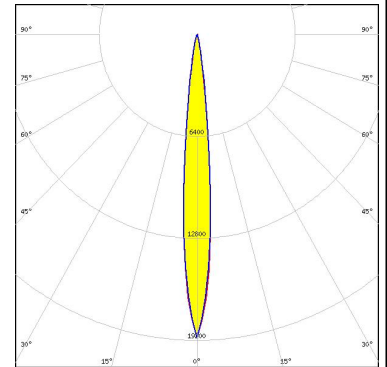
LED XHP35 HI
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 96 %
 Peak intensity 22 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



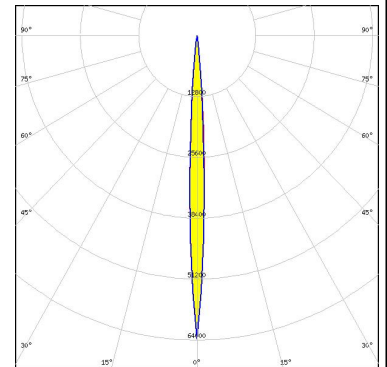
LED XP-G2
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 94 %
 Peak intensity 30.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G2 HE
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 95 %
 Peak intensity 19.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



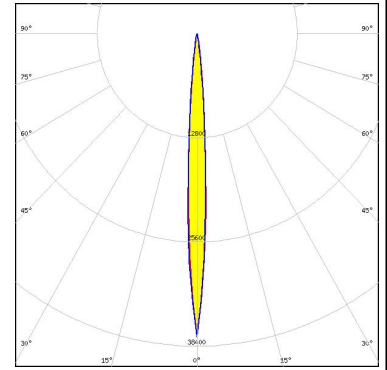
LED XP-P
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 96 %
 Peak intensity 63.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

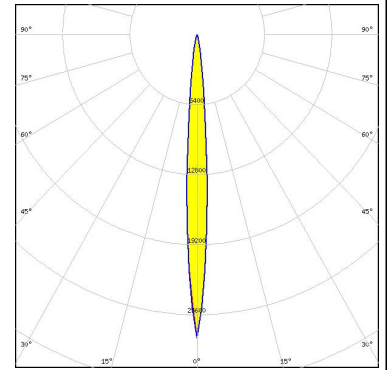
LUMILEDS

LED LUXEON C
 FWHM / FWTM 7.0° / 16.0°
 Efficiency 94 %
 Peak intensity 37.3 cd/lm
 LEDs/each optic 1
 Light colour Royal Blue
 Required components:



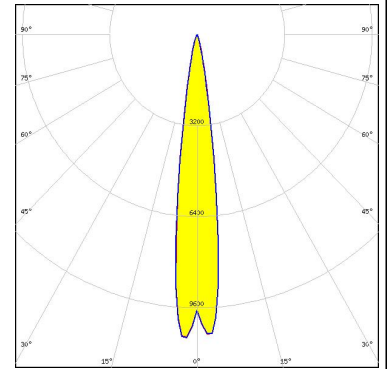
LUMILEDS

LED LUXEON HL2Z
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 96 %
 Peak intensity 27.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



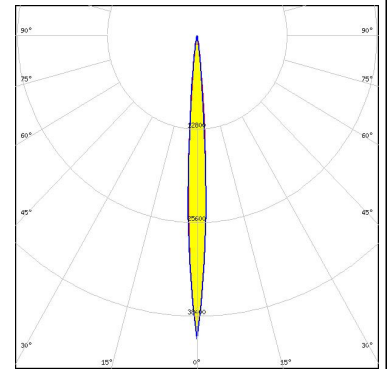
LUMILEDS

LED LUXEON MZ
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 95 %
 Peak intensity 10.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

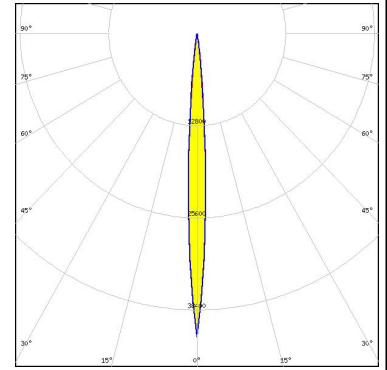
LED LUXEON Rebel
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 94 %
 Peak intensity 41.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

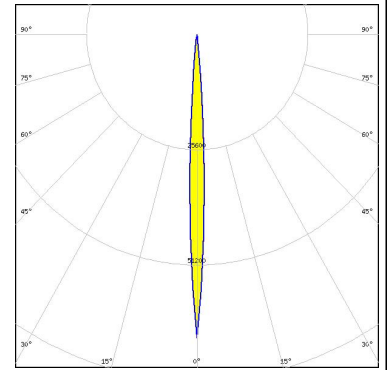
LUMILEDS

LED LUXEON Rebel Plus
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 94 %
 Peak intensity 42.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



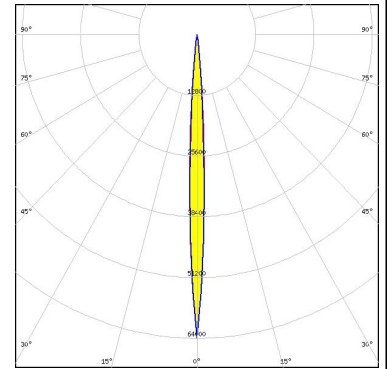
LUMILEDS

LED LUXEON Rubix
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 96 %
 Peak intensity 67.4 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



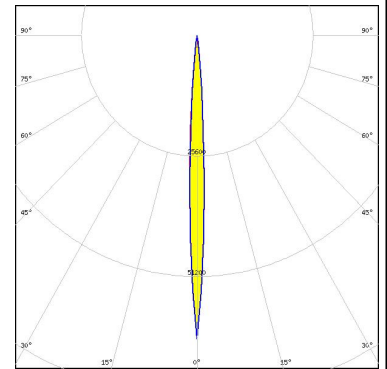
LUMILEDS

LED LUXEON Rubix
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 96 %
 Peak intensity 63.9 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



LUMILEDS

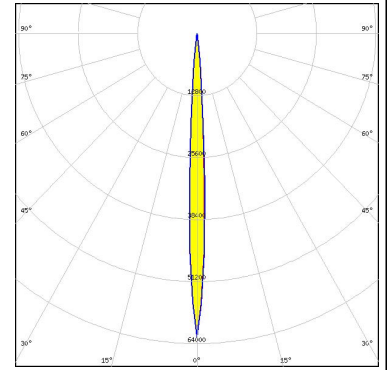
LED LUXEON Rubix
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 96 %
 Peak intensity 64.5 cd/lm
 LEDs/each optic 1
 Light colour Green
 Required components:



OPTICAL RESULTS (SIMULATED):

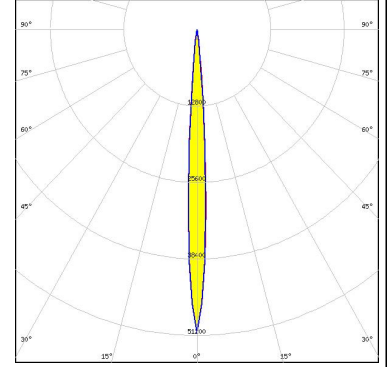
LUMILEDS

LED LUXEON Rubix
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 96 %
 Peak intensity 62.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



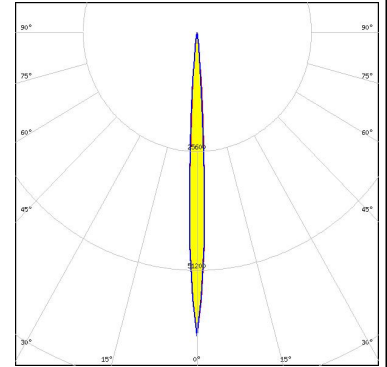
LUMILEDS

LED LUXEON SunPlus 20 Line (120 deg)
 FWHM / FWTM 6.0° / 13.0°
 Efficiency 96 %
 Peak intensity 50.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



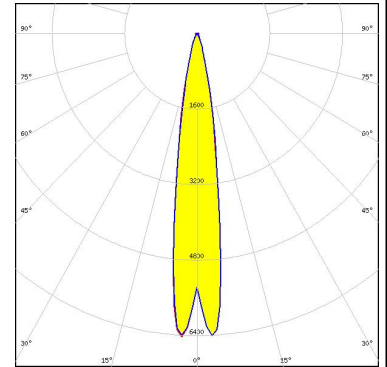
LUMILEDS

LED LUXEON Z
 FWHM / FWTM 5.9° / 12.0°
 Efficiency 94 %
 Peak intensity 65.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

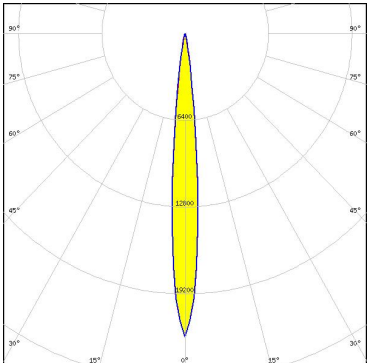
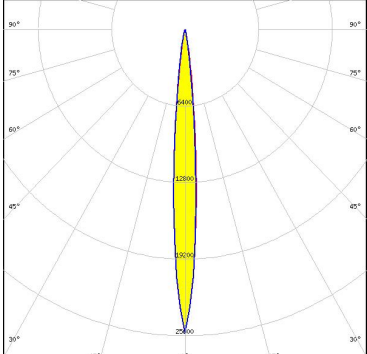
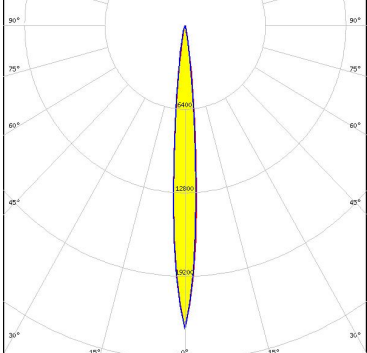
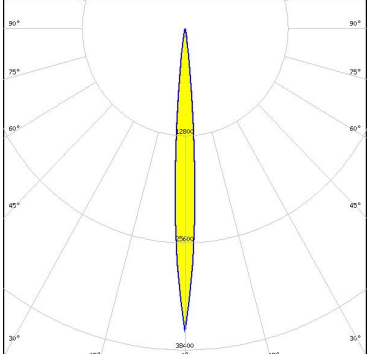
LED NCSxE17A
 FWHM / FWTM 6.0° / 16.0°
 Efficiency 93 %
 Peak intensity 35.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED: NCSxE17A FWHM / FWTM: 8.0° / 16.0° Efficiency: 92 % Peak intensity: 32.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW3x9A FWHM / FWTM: 12.0° / 22.0° Efficiency: 95 % Peak intensity: 16.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 8.0° / 18.0° Efficiency: 93 % Peak intensity: 26.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 8.0° / 18.0° Efficiency: 94 % Peak intensity: 27.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

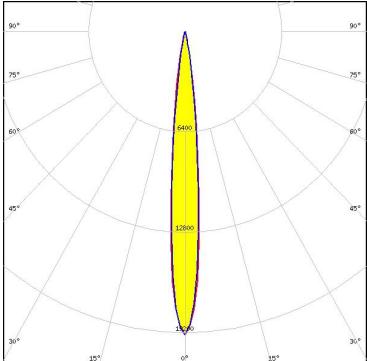
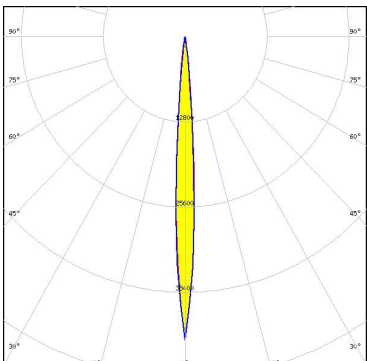
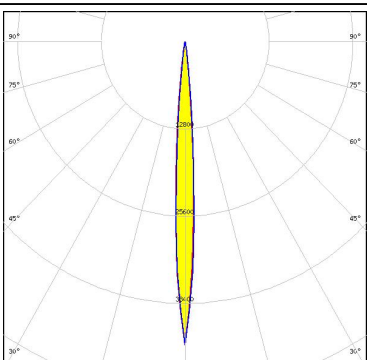
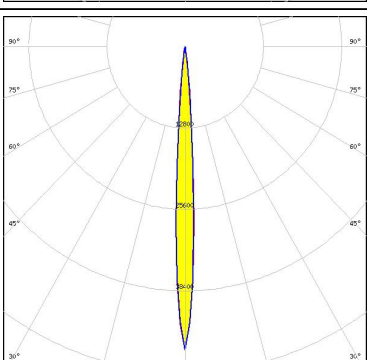
OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 10.0° / 18.0° Efficiency 95 % Peak intensity 22.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S5 (Single chip) FWHM / FWTM 8.0° / 18.0° Efficiency 96 % Peak intensity 25.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S5 (Single chip) FWHM / FWTM 9.0° / 18.0° Efficiency 89 % Peak intensity 23.2 cd/lm LEDs/each optic 1 Light colour Purple Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ C 2424 FWHM / FWTM 8.0° / 16.0° Efficiency 96 % Peak intensity 36.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

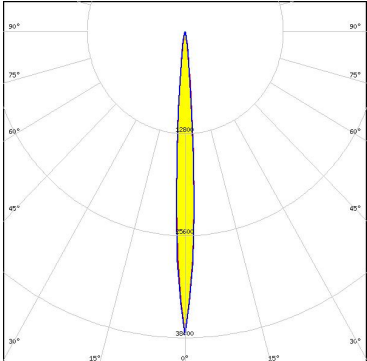
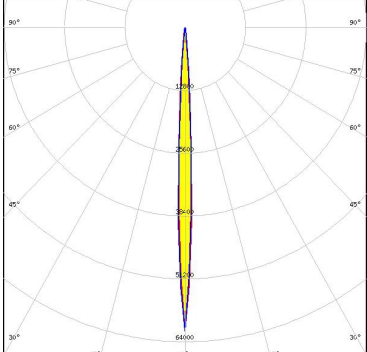
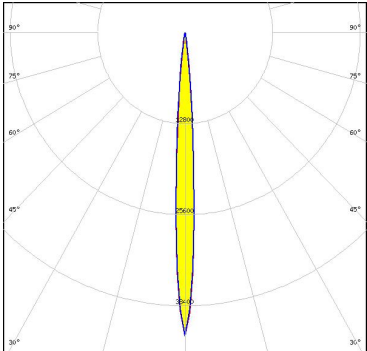
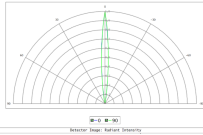
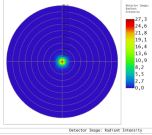
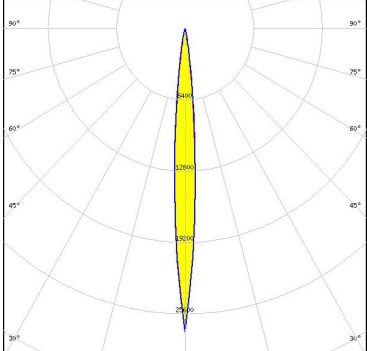
OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3030</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 20.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOK Black</p> <p>FWHM / FWTM 11.0° / 20.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 19.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOK Black Flat (LUW HWQP)</p> <p>FWHM / FWTM 6.3° / 14.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 50.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOK PURE 1010</p> <p>FWHM / FWTM 8.0° / 16.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 29.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3</p> <p>FWHM / FWMT 11.0° / 21.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 19.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM SSL 120</p> <p>FWHM / FWMT 7.0° / 14.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 45.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Amber</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM SSL 150</p> <p>FWHM / FWMT 7.0° / 14.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 44.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Amber</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM SSL 150</p> <p>FWHM / FWMT 6.0° / 14.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 47.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

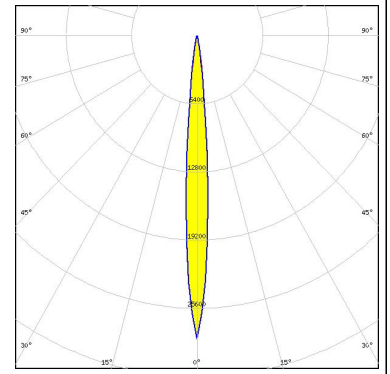
OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED: OSLOM SSL 80</p> <p>FWHM / FWTM: 7.0° / 14.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 38 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4170S</p> <p>FWHM / FWTM: 6.0° / 11.0°</p> <p>Efficiency: 87 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4716AS</p> <p>FWHM / FWTM: 8.0° / 14.0°</p> <p>Efficiency: 96 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4725AS</p> <p>FWHM / FWTM: 8.0° / 18.0°</p> <p>Efficiency: 95 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	<div style="display: flex; align-items: center;">    </div>

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LM301B
FWHM / FWTM	9.0° / 18.0°
Efficiency	94 %
Peak intensity	28.5 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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