

## STRADA-SQ-FS

Forward throw beam for area lighting. Version with location pins.

### SPECIFICATION:

Dimensions	25.0 x 25.0 mm
Height	12.4 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

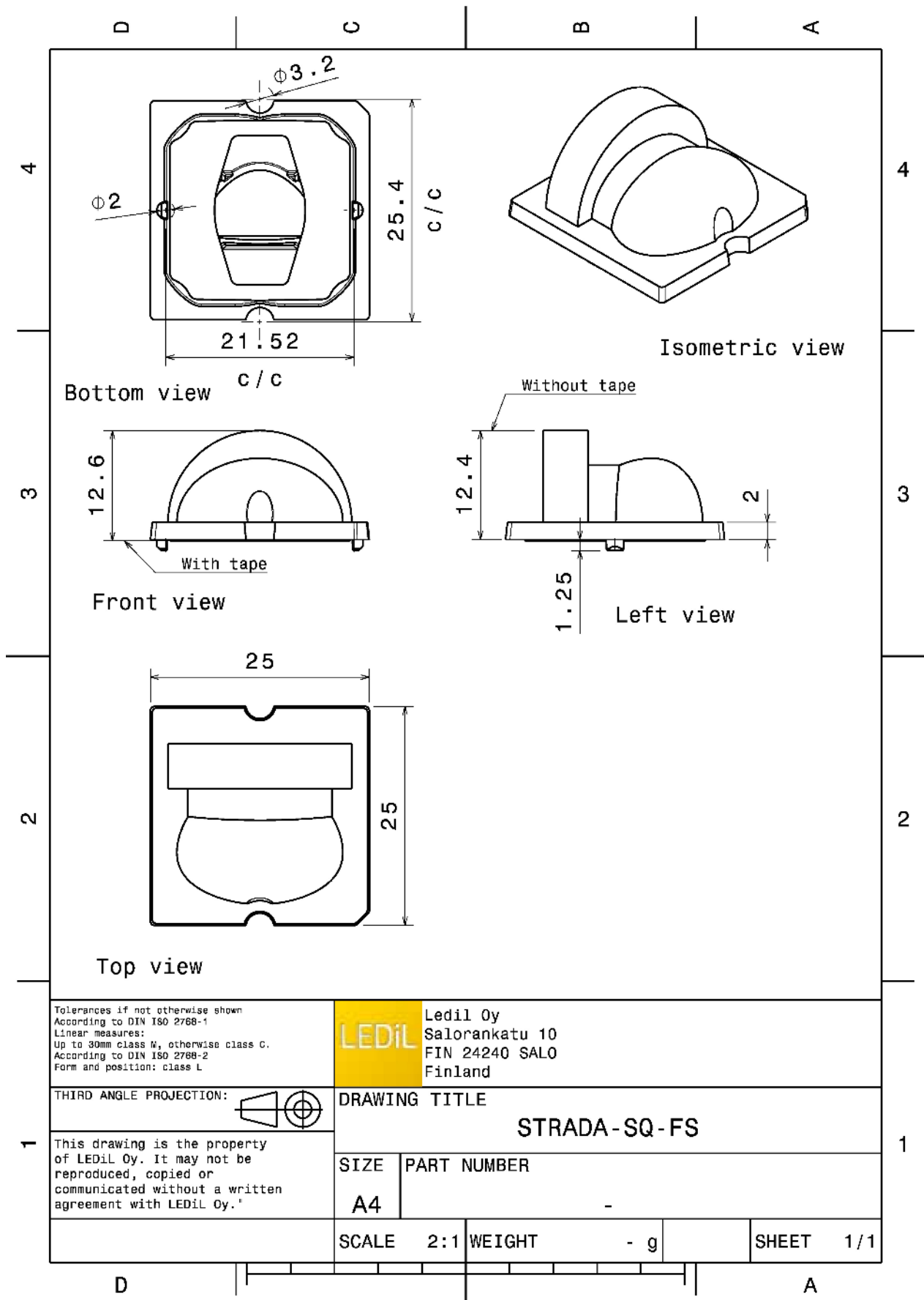
### MATERIALS:

Component	Type	Material	Colour	Finish
STRADA-SQ-FS	Single lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13896_STRADA-SQ-FS » Box size: 480 x 280 x 300 mm	1568	294	98	6.8

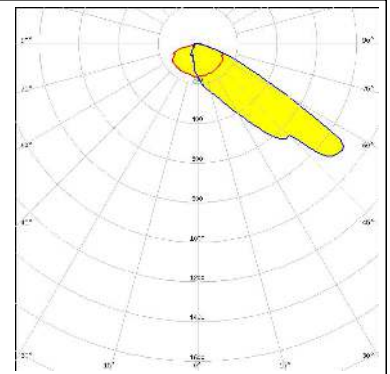
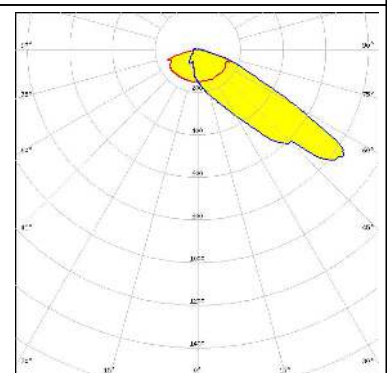
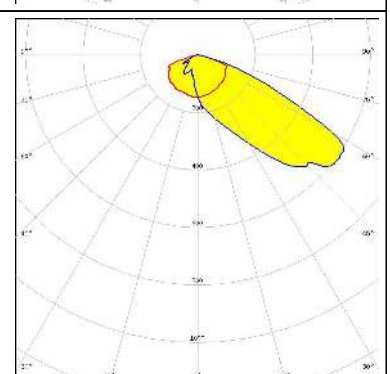
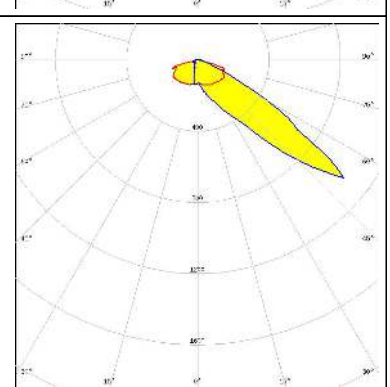




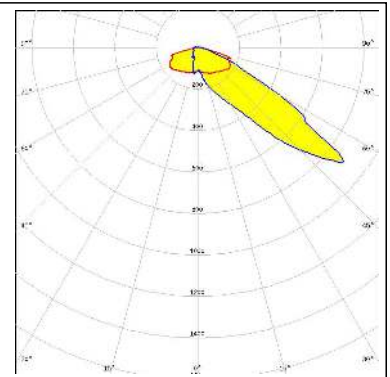
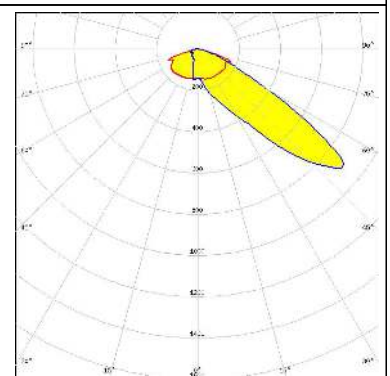
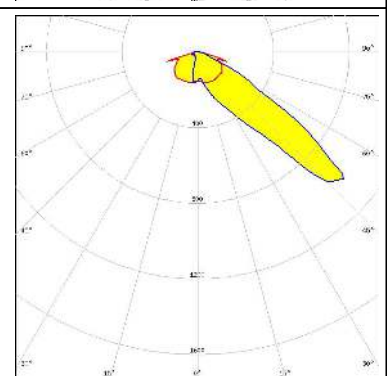
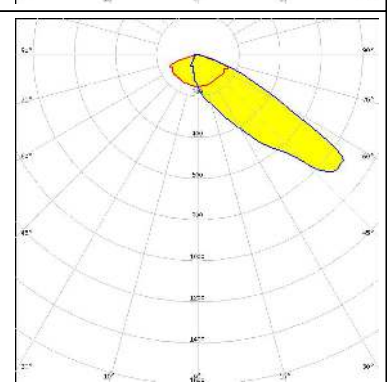
<p>Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L</p>		<p><b>LEDiL</b> Ledil Oy Salorankatu 10 FIN 24240 SALO Finland</p>	
<p>THIRD ANGLE PROJECTION: </p>		<p>DRAWING TITLE <b>STRADA-SQ-FS</b></p>	
<p>This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.</p>		<p>SIZE <b>A4</b></p>	<p>PART NUMBER -</p>
<p>SCALE <b>2:1</b></p>		<p>WEIGHT - g</p>	<p>SHEET <b>1/1</b></p>

See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED MK-R            FWHM / FWTM Asymmetric            Efficiency 93 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP50            FWHM / FWTM Asymmetric            Efficiency 93 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP70            FWHM / FWTM Asymmetric            Efficiency 80 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p> <p style="background-color: #e0f0ff; padding: 2px;">Protective plate, glass</p>	
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XM-L            FWHM / FWTM Asymmetric            Efficiency 93 %            Peak intensity 1.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	



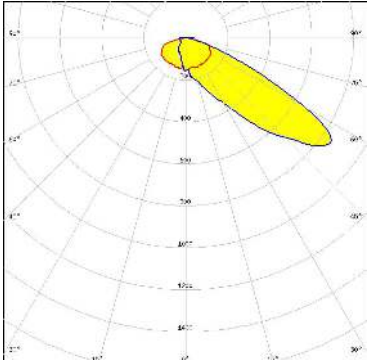

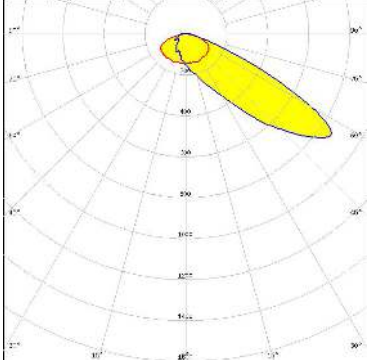

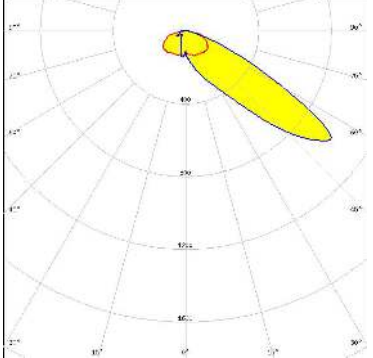
#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED                    XP-L HD            FWHM / FWTM      Asymmetric            Efficiency            94 %            Peak intensity       1 cd/lm            LEDs/each optic    1            Light colour         White            Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED                    XP-L2            FWHM / FWTM      Asymmetric            Efficiency            94 %            Peak intensity       1 cd/lm            LEDs/each optic    1            Light colour         White            Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED                    XT-E            FWHM / FWTM      Asymmetric            Efficiency            93 %            Peak intensity       1.2 cd/lm            LEDs/each optic    1            Light colour         White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED                    LUXEON M/MX            FWHM / FWTM      Asymmetric            Efficiency            92 %            Peak intensity       0.9 cd/lm            LEDs/each optic    1            Light colour         White            Required components:</p>	


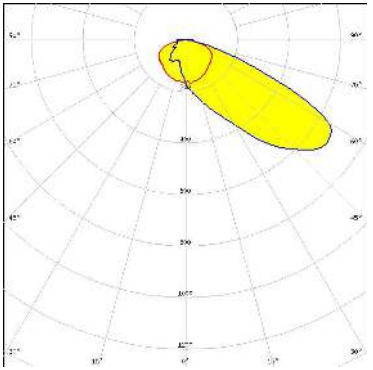

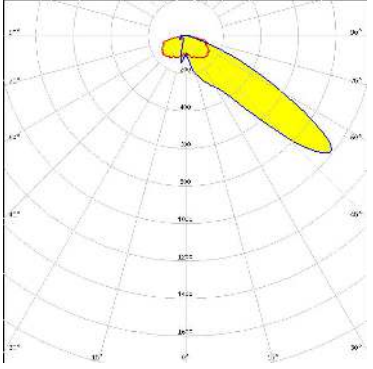

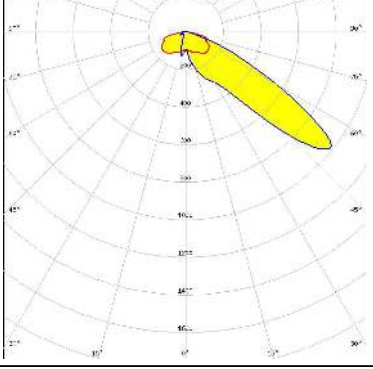

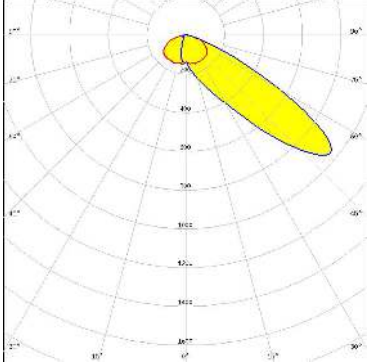
### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON MZ FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLOM Square EC FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

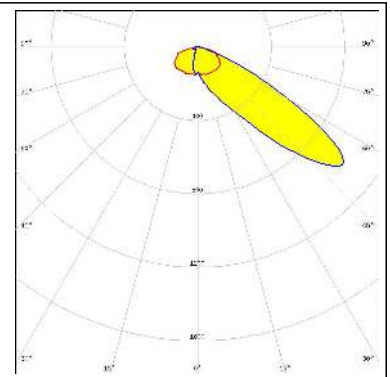
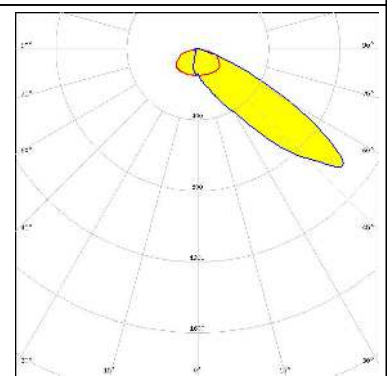
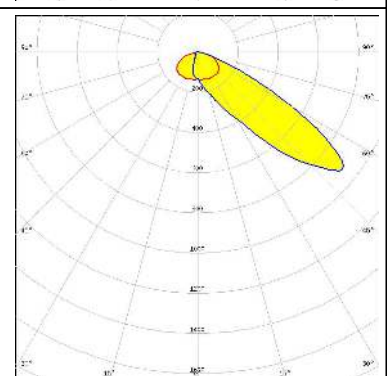
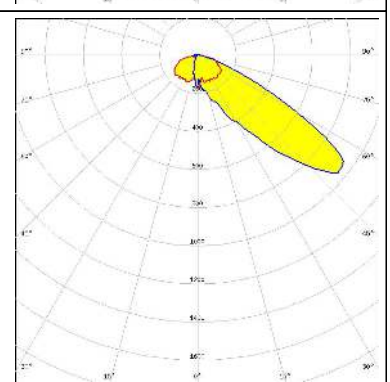
	<p>LED: MHB-A/B            FWHM / FWTM: Asymmetric            Efficiency: %            LEDs/each optic: 1            Light colour: White            Required components:</p>	
	<p>LED: XHP50.2            FWHM / FWTM: Asymmetric            Efficiency: 92 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
	<p>LED: XHP50.3 HD            FWHM / FWTM: Asymmetric            Efficiency: 94 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
	<p>LED: XHP50.3 HI            FWHM / FWTM: Asymmetric            Efficiency: 96 %            Peak intensity: 1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

	<p>LED: XHP70.3 HD            FWHM / FWTM: Asymmetric            Efficiency: 93 %            Peak intensity: 0.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
	<p>LED: XP-G3            FWHM / FWTM: Asymmetric            Efficiency: 93 %            Peak intensity: 1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
	<p>LED: XP-G3            FWHM / FWTM: Asymmetric            Efficiency: 92 %            Peak intensity: 1.1 cd/lm            LEDs/each optic: 1            Light colour: Red            Required components:</p>	
	<p>LED: LUXEON 5050 Round LES            FWHM / FWTM: Asymmetric            Efficiency: 86 %            Peak intensity: 1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<div style="background-color: #ADD8E6; padding: 5px; display: inline-block;">Protective plate, glass</div>		

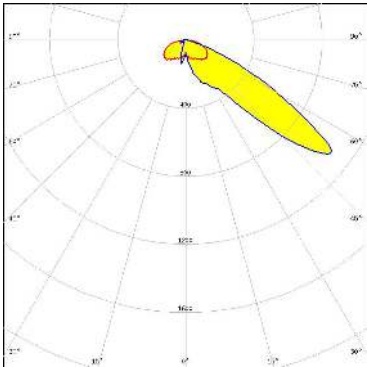
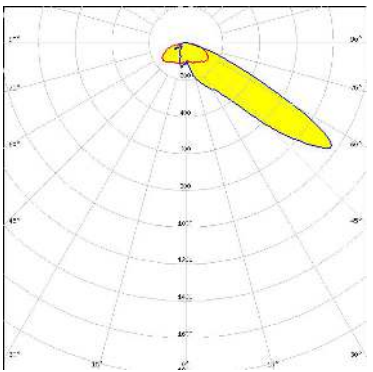
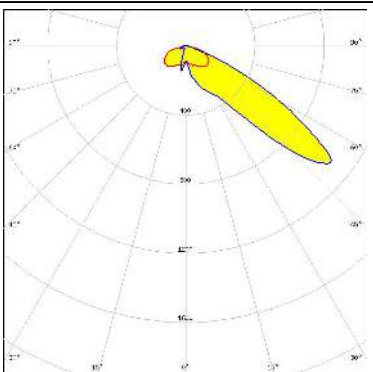
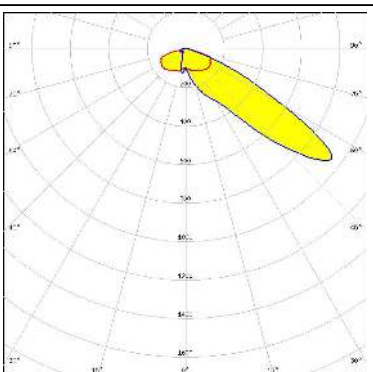


#### OPTICAL RESULTS (SIMULATED):

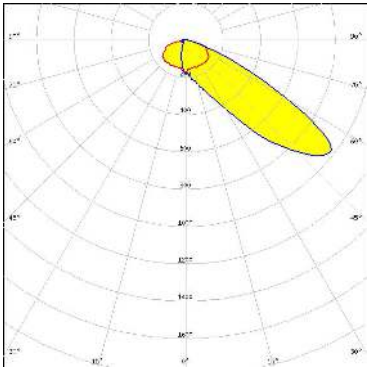
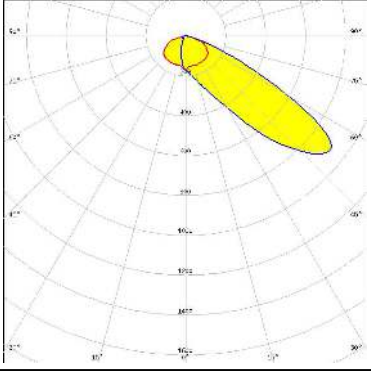
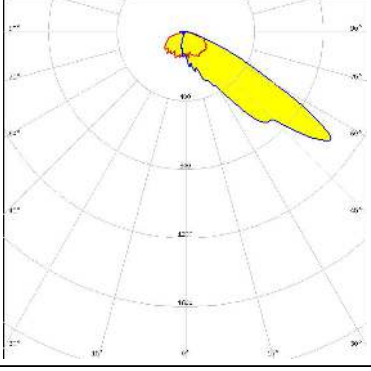
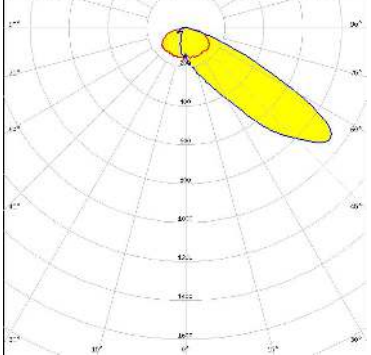
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 81 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p style="background-color: #e0f2f7; padding: 2px;">Protective plate, glass</p>	
<p><b>NICHIA</b></p> <p>LED NFMW48xA</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	



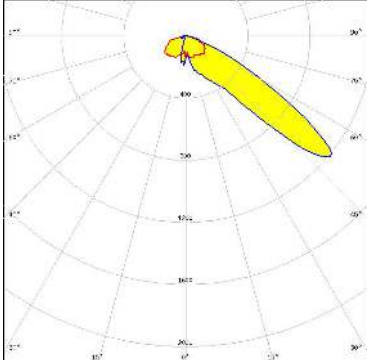
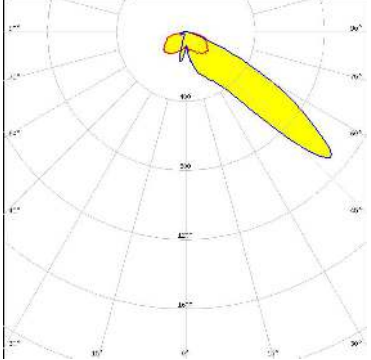
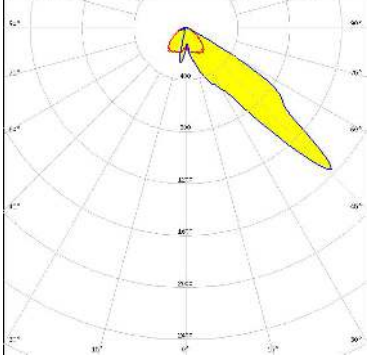
#### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NVSW219F            FWHM / FWTM: Asymmetric            Efficiency: 93 %            Peak intensity: 1.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSW519A            FWHM / FWTM: Asymmetric            Efficiency: 93 %            Peak intensity: 1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxx19B/NVSxx19C            FWHM / FWTM: 147.0 + 22.0° / 159.0 + 84.0°            Efficiency: 93 %            Peak intensity: 1.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NWSx229A            FWHM / FWTM: Asymmetric            Efficiency: 92 %            Peak intensity: 1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S8            FWHM / FWTM Asymmetric            Efficiency 94 %            Peak intensity 1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S8            FWHM / FWTM Asymmetric            Efficiency 86 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ P 7070            FWHM / FWTM Asymmetric            Efficiency 91 %            Peak intensity 1.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ S 5050            FWHM / FWTM Asymmetric            Efficiency 96 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSCONIQ S 5050</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 82 %</p> <p>Peak intensity: 0.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 93 %</p> <p>Peak intensity: 1.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: SFH 4715AS</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 93 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):



### 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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