

STRADA-SQ-FS3

Forward throw beam optimized for European tunnels, resulting in extremely efficient lighting with counter-beam method. Version with location pins. Assembly with installation tape.

SPECIFICATION:

Dimensions	25.0 x 25.0 mm
Height	16.2 mm
Fastening	tape
ROHS compliant	yes ⓘ

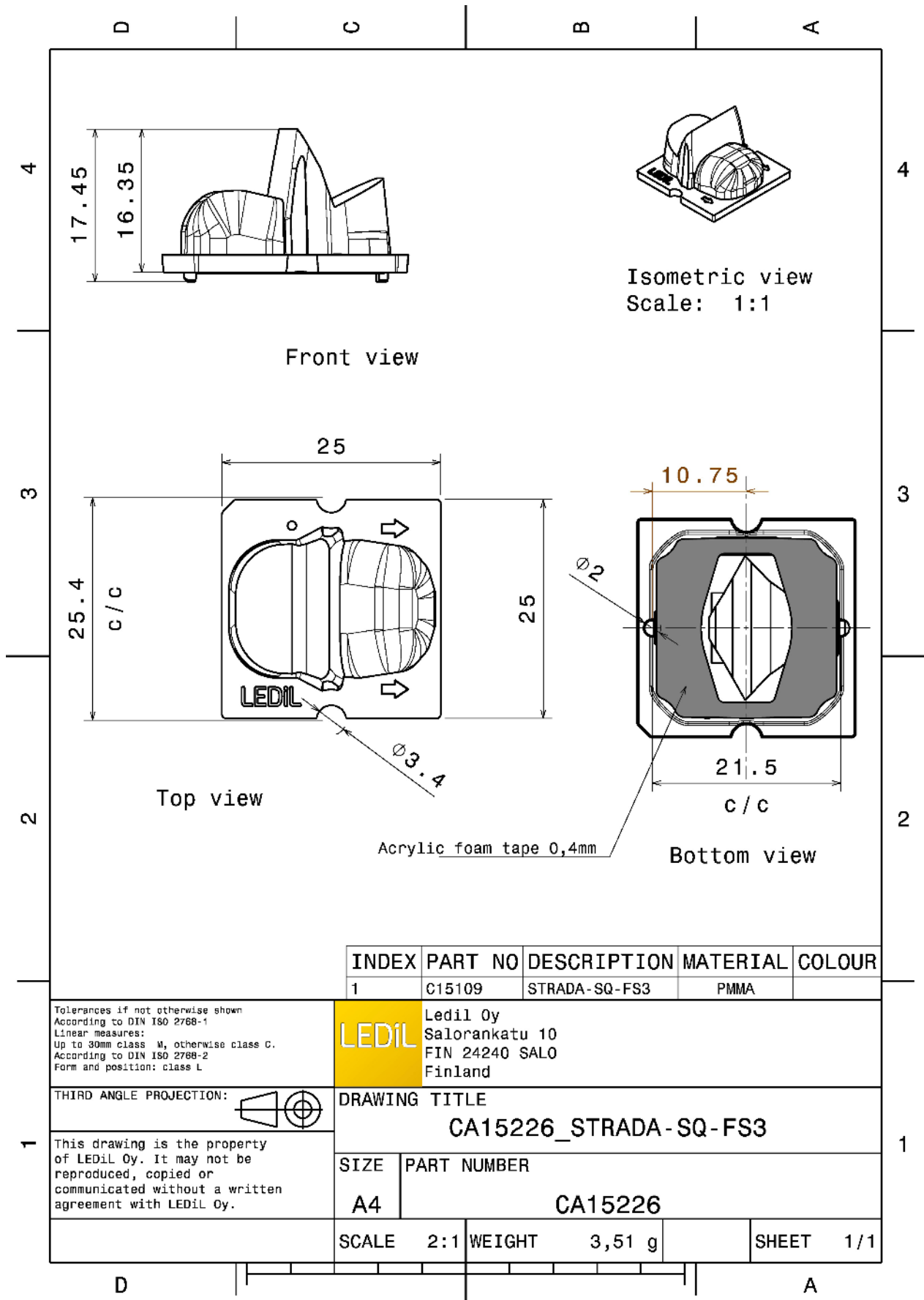


MATERIALS:

Component	Type	Material	Colour	Finish
STRADA-SQ-FS3	Single lens	PMMA	clear	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA15226_STRADA-SQ-FS3	Single lens	1470	294	98	7.4
» Box size: 480 x 280 x 300 mm					



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C15109	STRADA-SQ-FS3	PMMA	

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

LEDiL Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
CA15226_STRADA-SQ-FS3

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SIZE	PART NUMBER
A4	CA15226

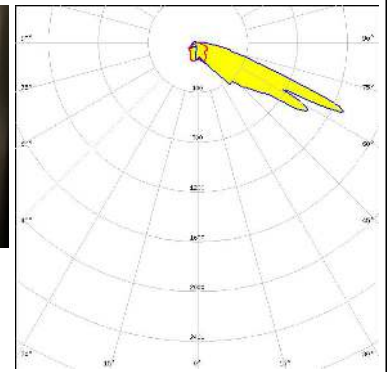
SCALE	2:1	WEIGHT	3,51 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

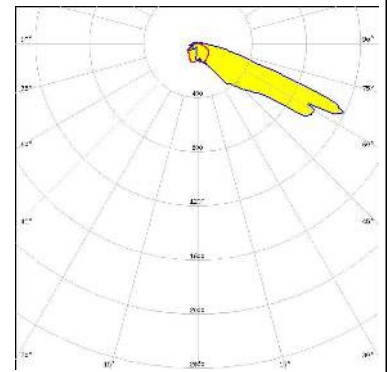
OPTICAL RESULTS (MEASURED):



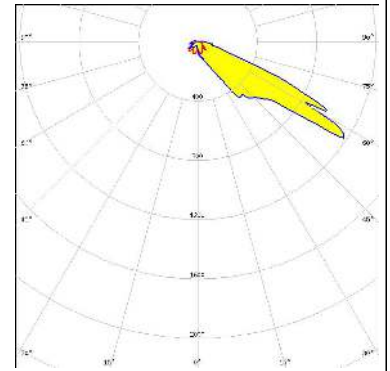
LED MK-R
 FWHM / FWTM 125.0° / 157.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



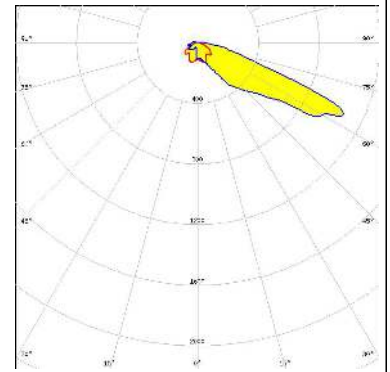
LED LUXEON M/MX
 FWHM / FWTM Asymmetric
 Efficiency 90 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



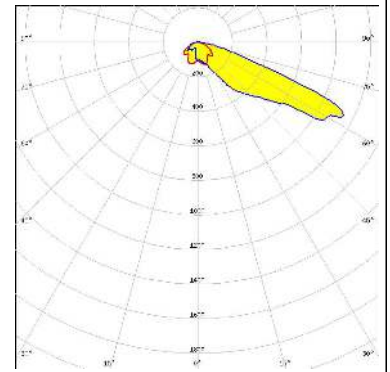
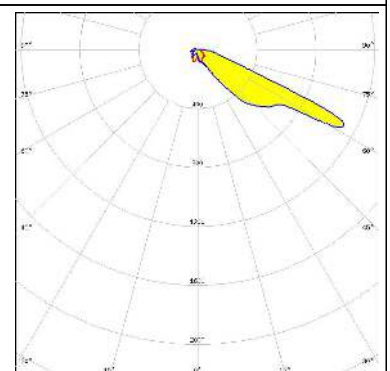
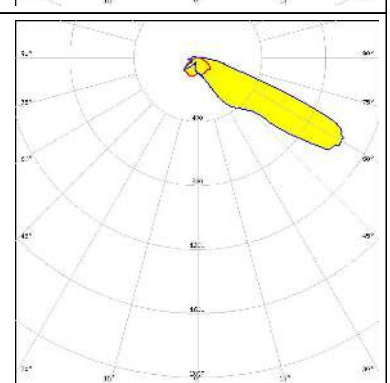
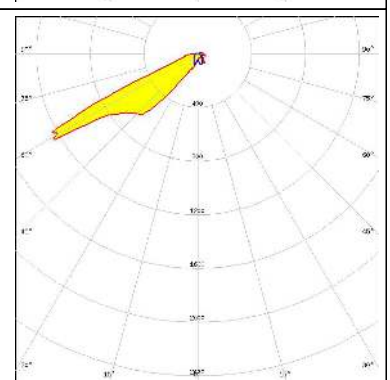
LED LUXEON MZ
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NV4x144A
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



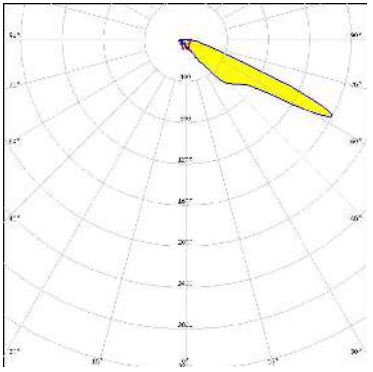
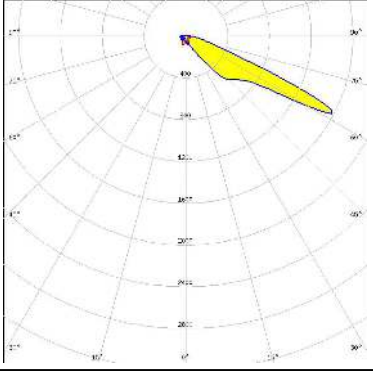
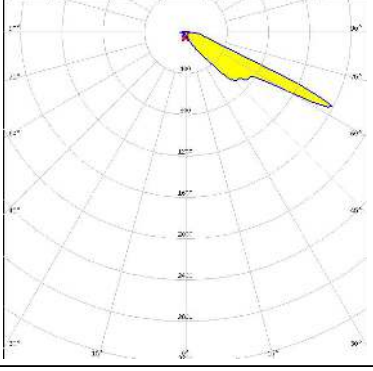
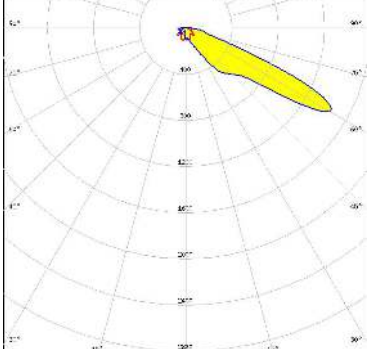
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NV4x144A FWHM / FWTM Asymmetric Efficiency 78 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p style="background-color: #ADD8E6; padding: 2px;">Protective plate, glass</p>	
<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S10 FWHM / FWTM Asymmetric Efficiency 86 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM Square PC FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 3.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

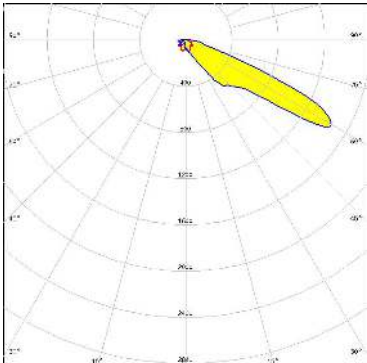
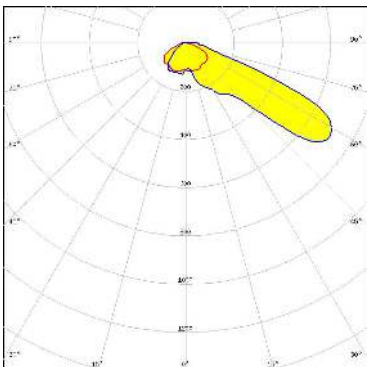
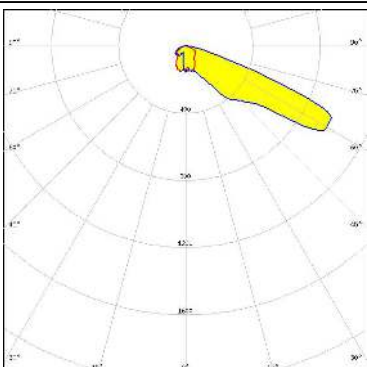
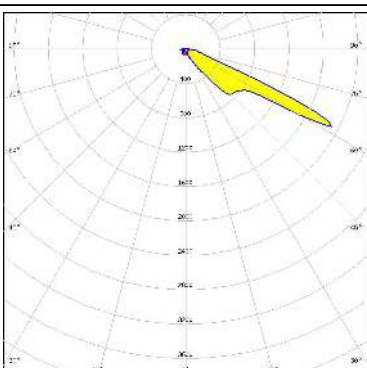
OPTICAL RESULTS (SIMULATED):

<p>CREE → LED</p> <p>LED: XHP50.2 FWHM / FWTM: Asymmetric Efficiency: 80 % Peak intensity: 1.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	
<p>CREE → LED</p> <p>LED: XHP50.2 FWHM / FWTM: Asymmetric Efficiency: 90 % Peak intensity: 1.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XHP70 FWHM / FWTM: Asymmetric Efficiency: 77 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	
<p>CREE → LED</p> <p>LED: XM-L2 FWHM / FWTM: Asymmetric Efficiency: 88 % Peak intensity: 2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

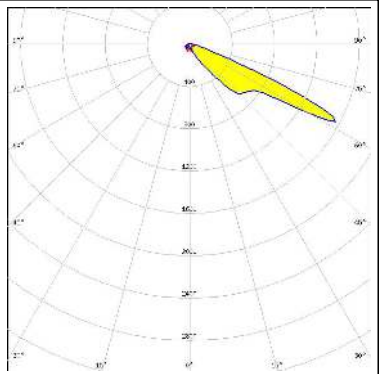
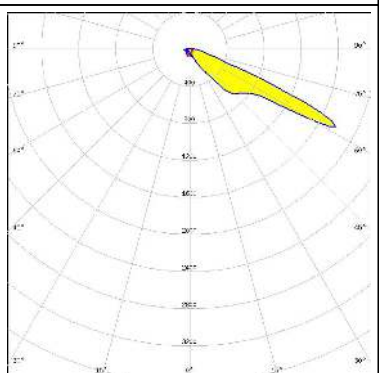
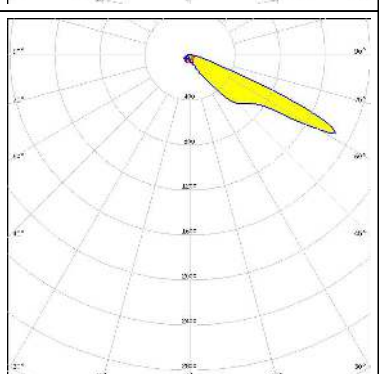
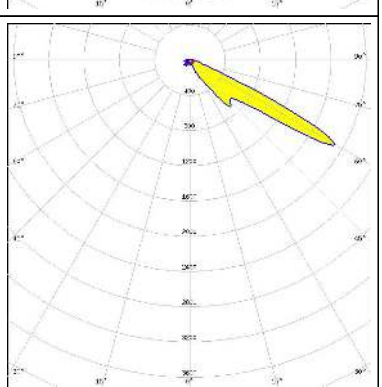
OPTICAL RESULTS (SIMULATED):

<p>CREE → LED</p> <p>LED: XP-G3 FWHM / FWTM: Asymmetric Efficiency: 90 % Peak intensity: 1.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XP-G3 FWHM / FWTM: Asymmetric Efficiency: 86 % Peak intensity: 1.8 cd/lm LEDs/each optic: 1 Light colour: Red Required components:</p>	
<p>CREE → LED</p> <p>LED: XT-E FWHM / FWTM: Asymmetric Efficiency: 87 % Peak intensity: 2.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 5050 Round LES FWHM / FWTM: Asymmetric Efficiency: 88 % Peak intensity: 1.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

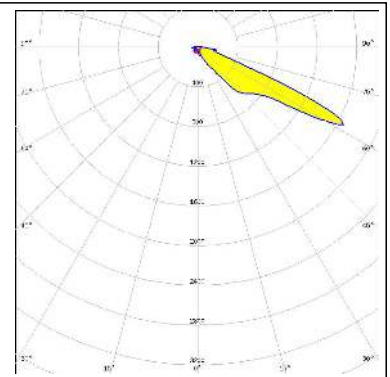
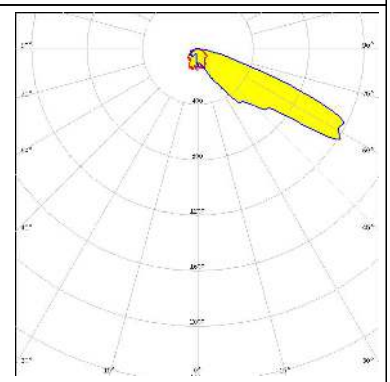
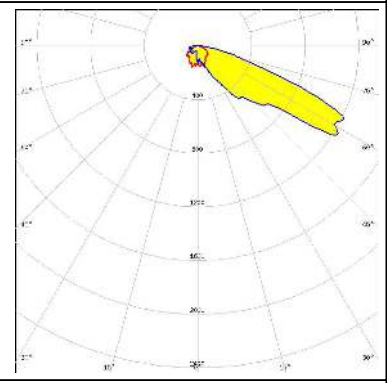
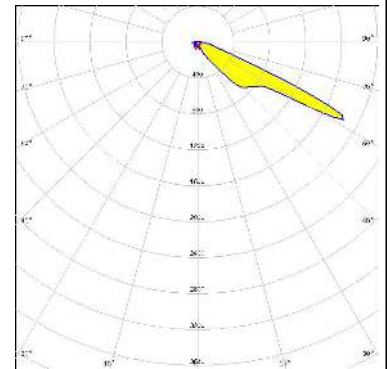
OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON 7070</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 76 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>LUMILEDS</p> <p>LED LUXEON M/MX</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 76 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>LUMINUS</p> <p>LED SFT-40-WCS</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 89 %</p> <p>Peak intensity 2.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

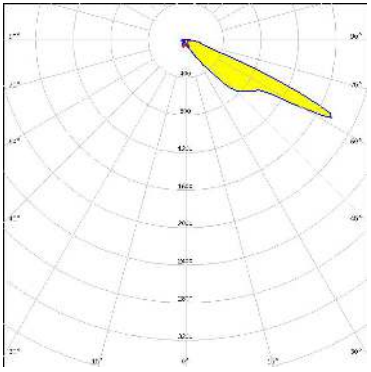
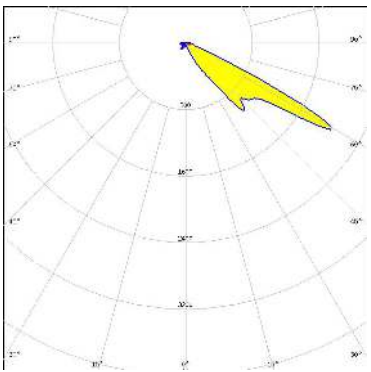
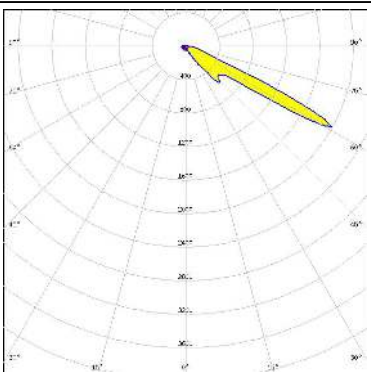
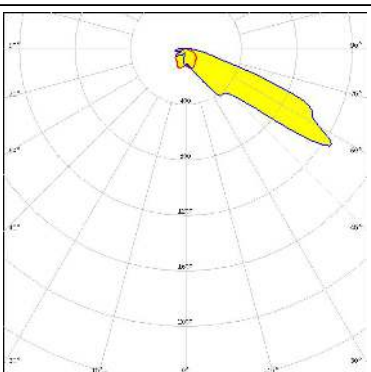
OPTICAL RESULTS (SIMULATED):

<p>LUMINUS</p> <p>LED SFT-40-WCS FWHM / FWTM Asymmetric Efficiency 74 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>Protective plate, glass</p>	
<p>LUMINUS</p> <p>LED SFT-70X-WCS FWHM / FWTM Asymmetric Efficiency 89 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>LUMINUS</p> <p>LED SFT-70X-WCS FWHM / FWTM Asymmetric Efficiency 74 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>Protective plate, glass</p>	
<p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM Asymmetric Efficiency 89 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.2 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 OSCONIQ P 7070</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 7070</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.4 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 OSOLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

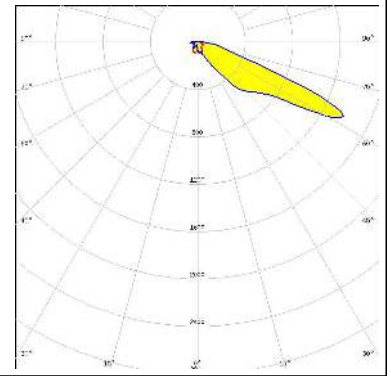
OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED: OSLOM Square EC FWHM / FWTM: Asymmetric Efficiency: 89 % Peak intensity: 2.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4715AS FWHM / FWTM: Asymmetric Efficiency: 87 % LEDs/each optic: 1 Light colour: IR Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4716AS FWHM / FWTM: Asymmetric Efficiency: 87 % LEDs/each optic: 1 Light colour: IR Required components:</p>	
<p>SAMSUNG</p> <p>LED: LH181B FWHM / FWTM: Asymmetric Efficiency: 87 % Peak intensity: 1.2 cd/lm LEDs/each optic: 4 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH351D
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	1.5 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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Distribution Partners

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