

SPORT-2X2-S6

Slightly asymmetric ~60° spot beam with minimum spill light

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	15.5 mm
Fastening	screw
ROHS compliant	yes ⓘ

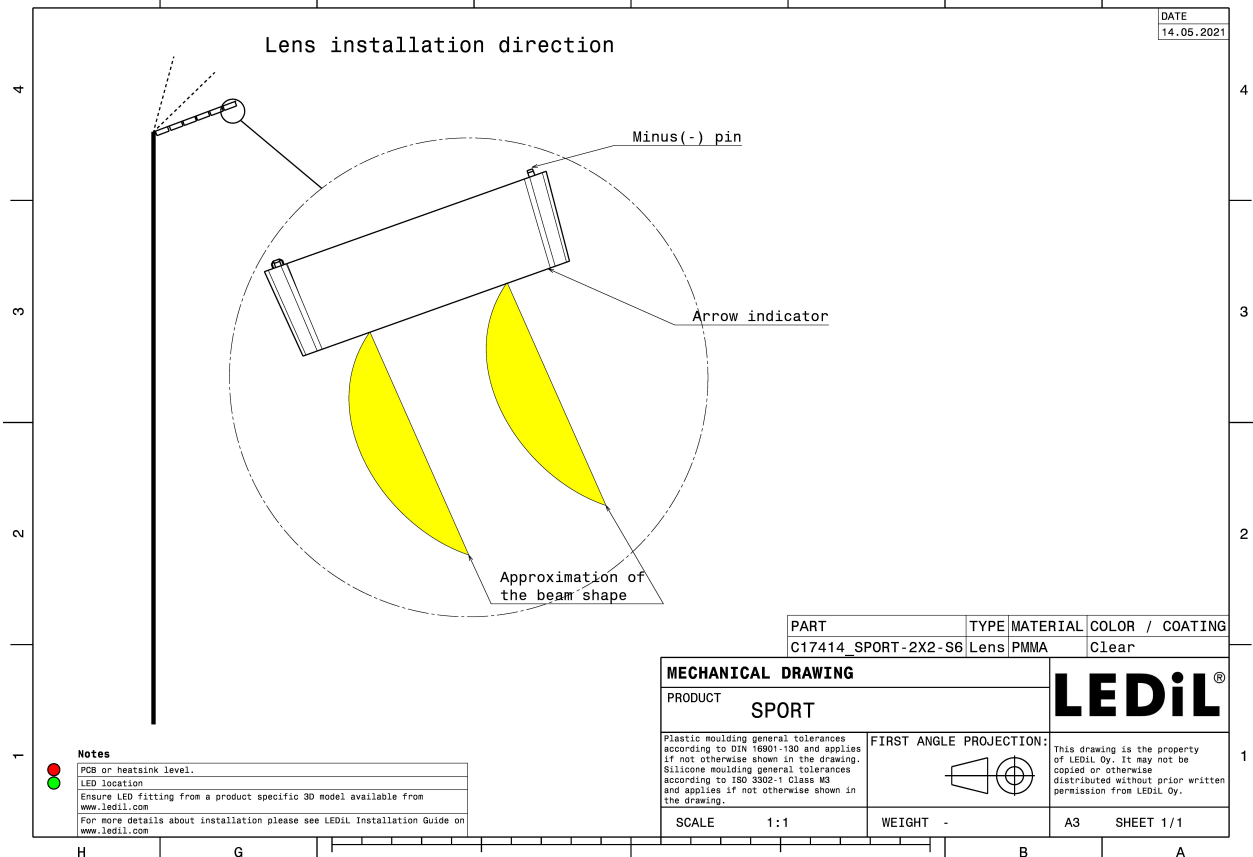
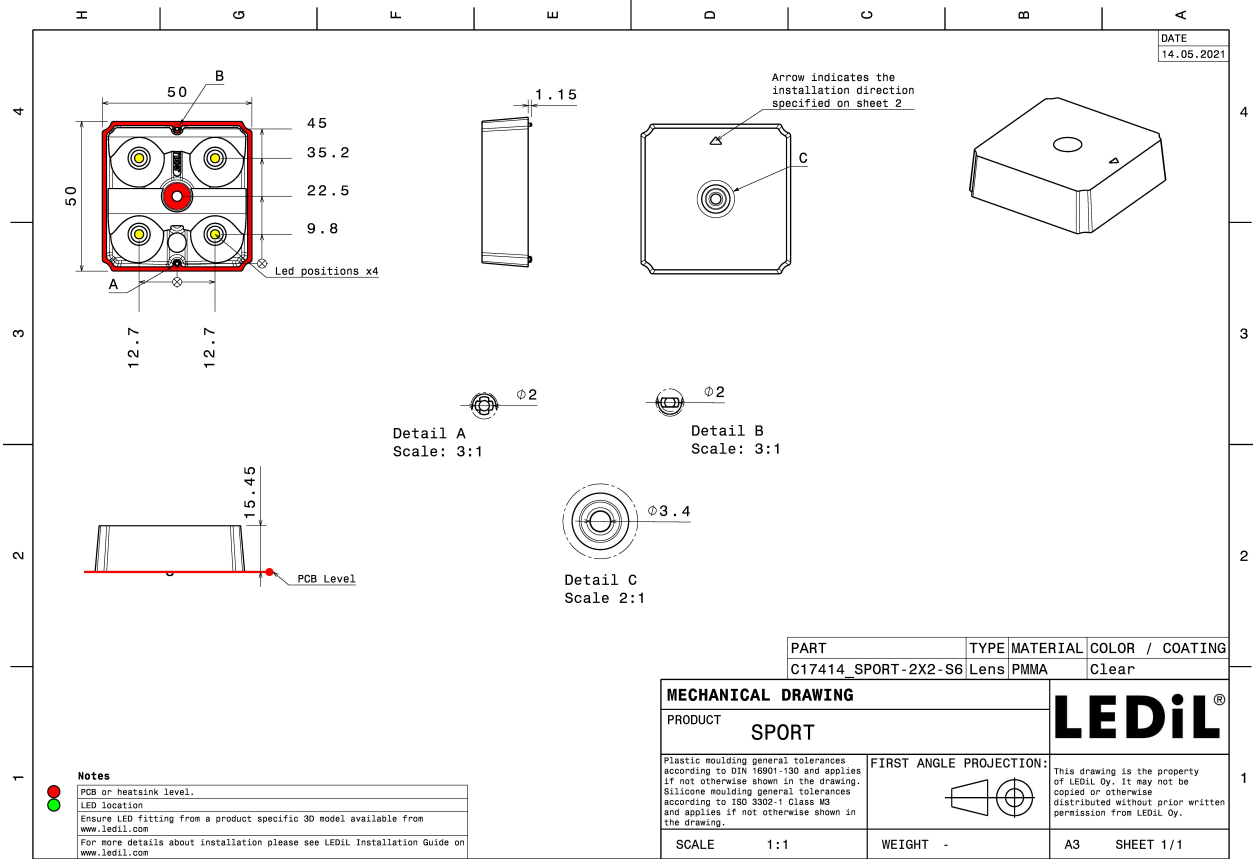


MATERIALS:

Component	Type	Material	Colour	Finish
SPORT-2X2-S6	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17414_SPORT-2X2-S6 » Box size: 480 x 280 x 300 mm	476	140	28	11.4



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

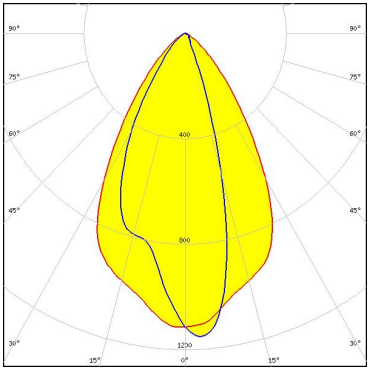
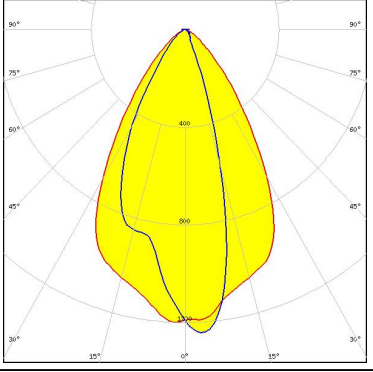
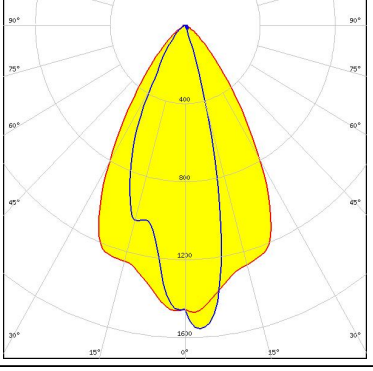
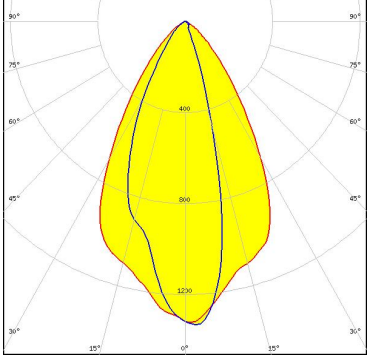
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):

<p>CREE LED</p> <p>LED J Series 5050 Round LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 97 %</p> <p>Peak intensity 2.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>CREE LED</p> <p>LED J Series 5050 Round LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>CREE LED</p> <p>LED XHP35.2 HD</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 85 %</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>Protective plate, glass</p>	
<p>CREE LED</p> <p>LED XHP35.2 HD</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>	


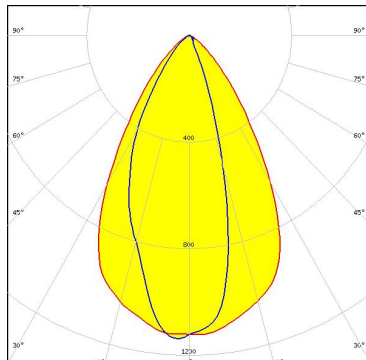

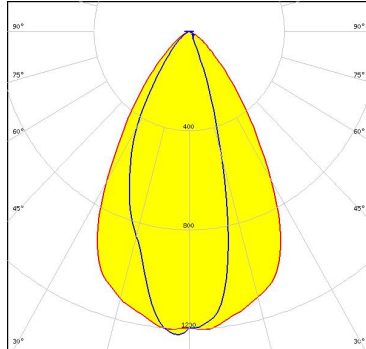

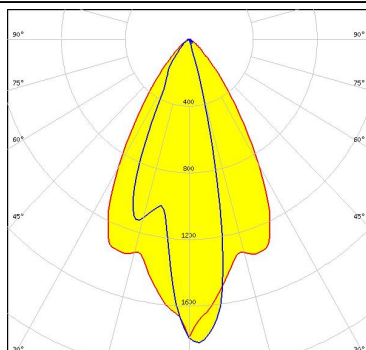

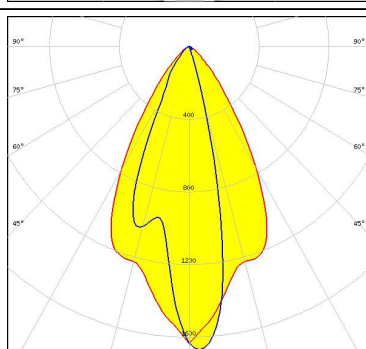
OPTICAL RESULTS (SIMULATED):

<p>CREE → LED</p> <p>LED XM-L3 FWHM / FWTM Asymmetric Efficiency 86 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>Protective plate, glass</p>	
<p>CREE → LED</p> <p>LED XM-L3 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE → LED</p> <p>LED XP-G2 HE FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE → LED</p> <p>LED XP-G3 FWHM / FWTM Asymmetric Efficiency 88 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>Protective plate, glass</p>	

OPTICAL RESULTS (SIMULATED):

<p>CREE → LED</p> <p>LED: XP-L HD FWHM / FWTM: Asymmetric Efficiency: 89 % Peak intensity: 1.3 cd/lm LEDs/each optic: 1 Light colour: White Required components: Protective plate, glass</p>	
<p>CREE → LED</p> <p>LED: XP-L HD FWHM / FWTM: Asymmetric Efficiency: 94 % Peak intensity: 1.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XP-L HI FWHM / FWTM: Asymmetric Efficiency: 94 % Peak intensity: 1.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XP-L HI FWHM / FWTM: Asymmetric Efficiency: 89 % Peak intensity: 1.5 cd/lm LEDs/each optic: 1 Light colour: White Required components: Protective plate, glass</p>	

OPTICAL RESULTS (SIMULATED):

<p>CREE  LED</p> <p>LED: XP-L2 FWHM / FWTM: Asymmetric Efficiency: 86 % Peak intensity: 1.1 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>CREE  LED</p> <p>LED: XP-L2 FWHM / FWTM: Asymmetric Efficiency: 93 % Peak intensity: 1.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE  LED</p> <p>LED: XP-P FWHM / FWTM: Asymmetric Efficiency: 95 % Peak intensity: 1.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE  LED</p> <p>LED: XP-P FWHM / FWTM: Asymmetric Efficiency: 88 % Peak intensity: 1.7 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>	

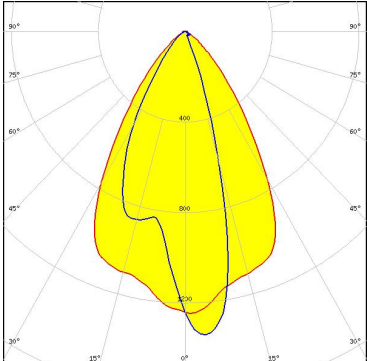
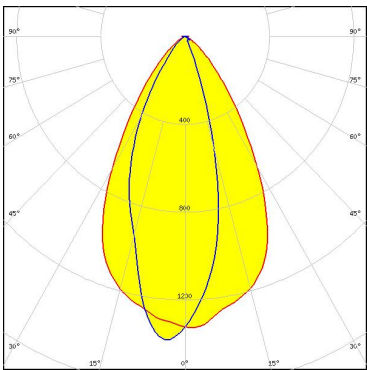
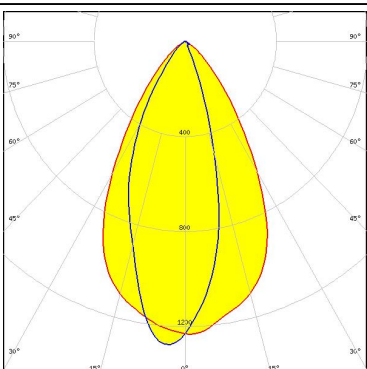
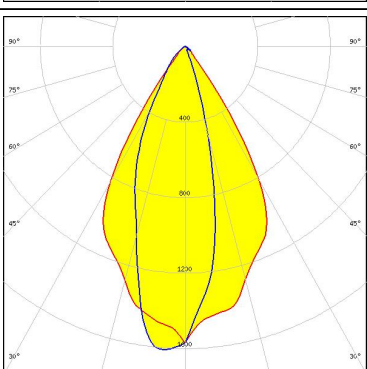
OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON 5050 HE</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 87 %</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>Protective plate, glass</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 5050 HE</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 95 %</p> <p>Peak intensity: 1.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 5050 Round LES</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 1.6 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 5050 Square LES</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 95 %</p> <p>Peak intensity: 1.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

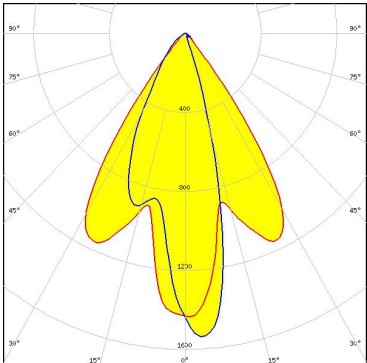
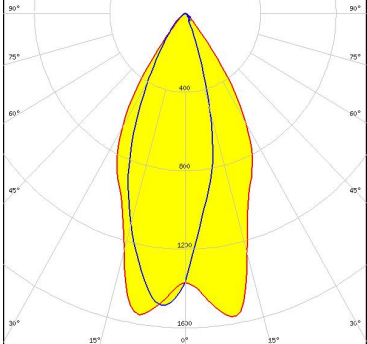
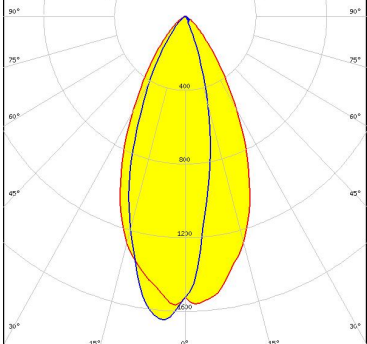
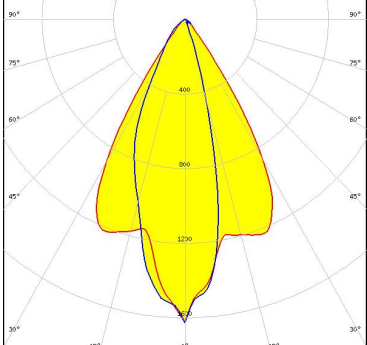
OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.6 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 7070</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 93 %</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>LUMILEDS</p> <p>LED LUXEON HL2X</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 88 %</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>Protective plate, glass</p>	
<p>LUMILEDS</p> <p>LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 87 %</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>Protective plate, glass</p>	

OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)</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>LUMINUS</p> <p>LED: SST-70X-WCS</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 95 %</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>LUMINUS</p> <p>LED: SST-70X-WCS</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 87 %</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>Protective plate, glass</p>	
<p>NICHIA</p> <p>LED: NV4WB35AM</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 1.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p>Protective plate, glass</p>	

OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED: NVSW219F FWHM / FWTM: Asymmetric Efficiency: 91 % Peak intensity: 1.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: Duris S8 FWHM / FWTM: Asymmetric Efficiency: 92 % Peak intensity: 1.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: Duris S8 FWHM / FWTM: Asymmetric Efficiency: 95 % Peak intensity: 1.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ P 3737 (3W version) FWHM / FWTM: Asymmetric Efficiency: 91 % Peak intensity: 1.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	

OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3737 Flat</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 97 %</p> <p>Peak intensity 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 S 5050</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.7 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 OSCONIQ S 5050</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSOLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 96 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

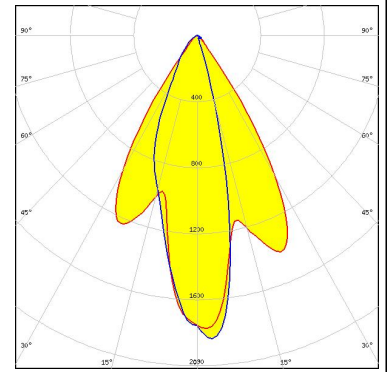
OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

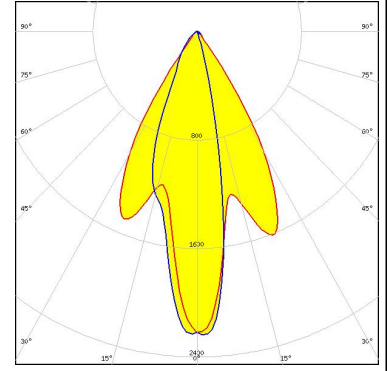
Protective plate, glass



OSRAM

Opto Semiconductors

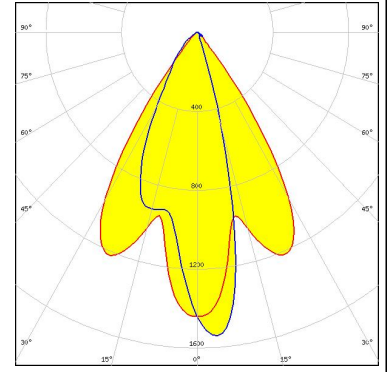
LED OSLON Square Flat
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

LED LH351B
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

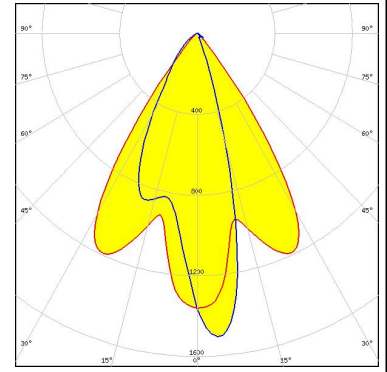
Protective plate, glass



SAMSUNG

LED LH351C
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

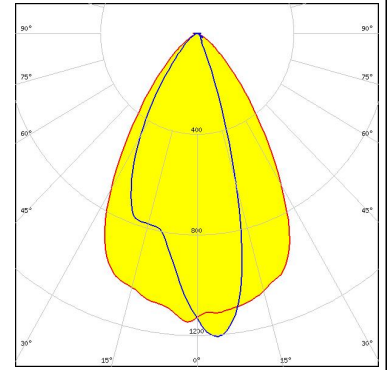
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

SAMSUNG

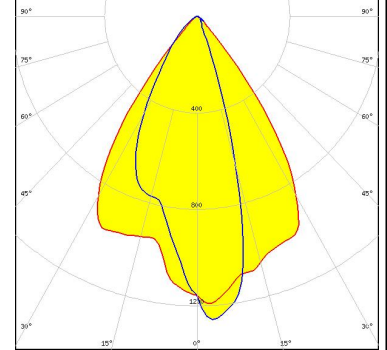
LED LH351D
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

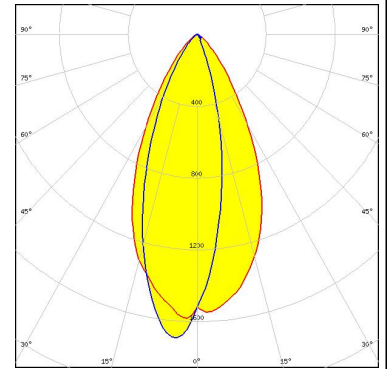
LED LH351D
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



SAMSUNG

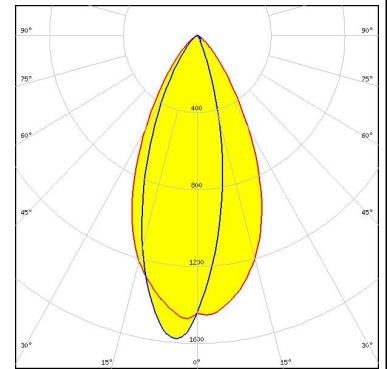
LED LH502C
 FWHM / FWTM Asymmetric
 Efficiency 95 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




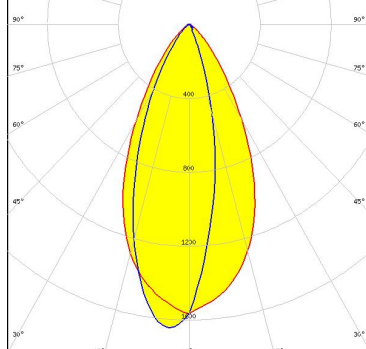

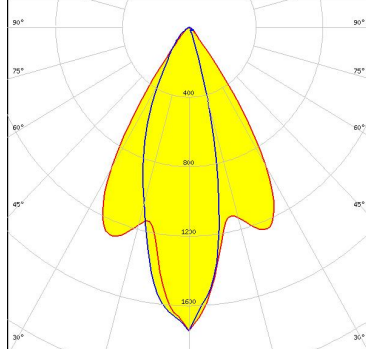
SAMSUNG

LED LH502C
 FWHM / FWTM Asymmetric
 Efficiency 88 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



OPTICAL RESULTS (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 5050 6V</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 95 %</p> <p>Peak intensity: 1.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED: Z5M3</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 91 %</p> <p>Peak intensity: 1.7 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p style="background-color: #ADD8E6; padding: 2px;">Protective plate, glass</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:

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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