

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 ⓘ

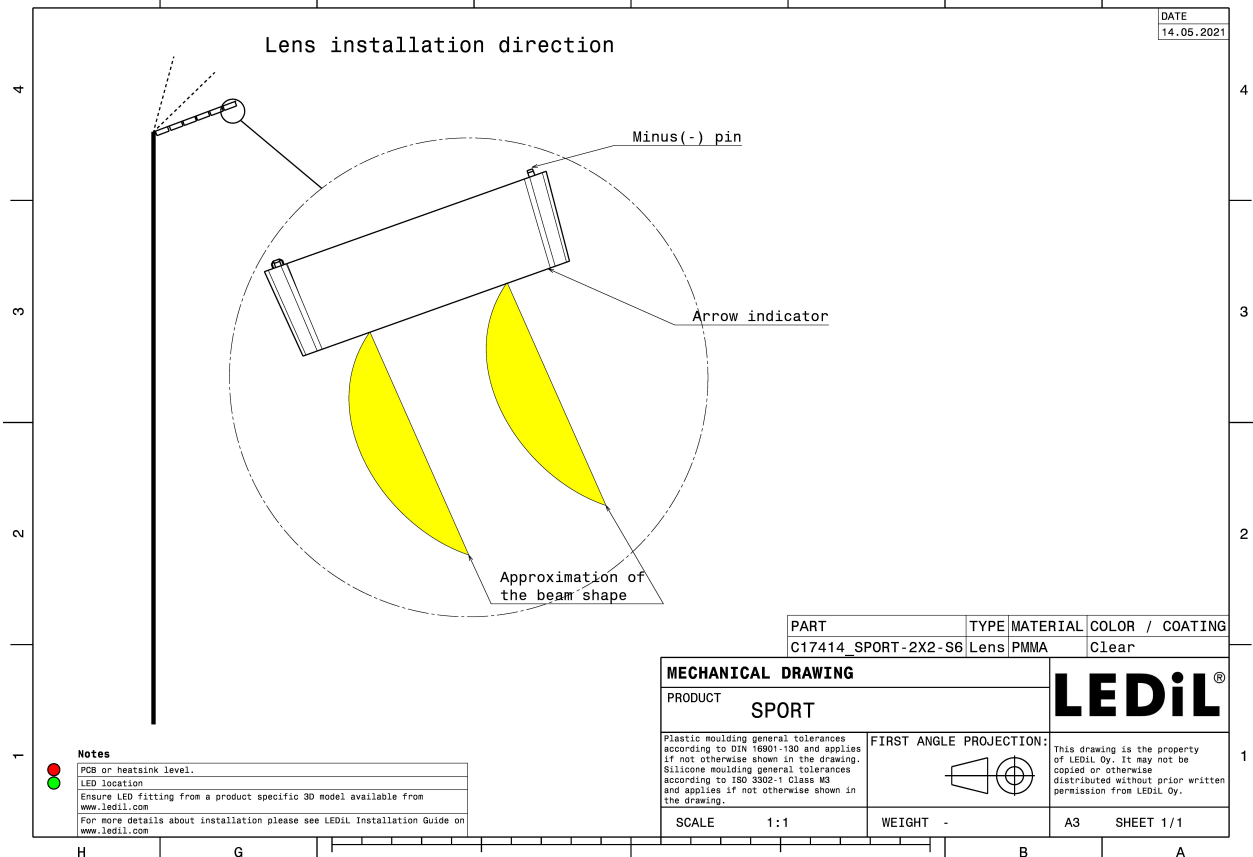
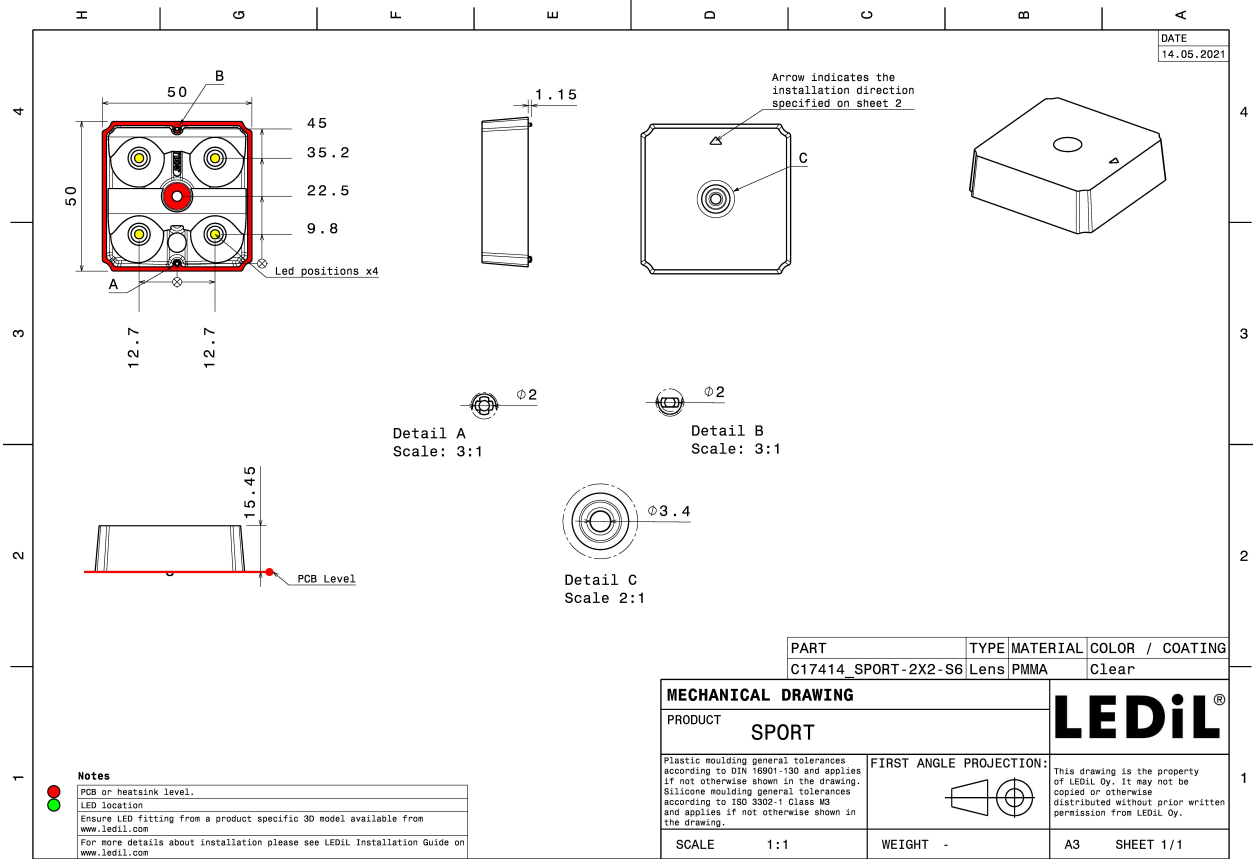
MATERIALS:

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

ORDERING INFORMATION:

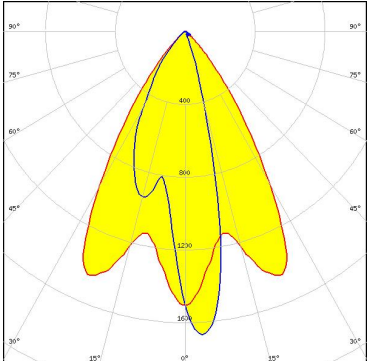
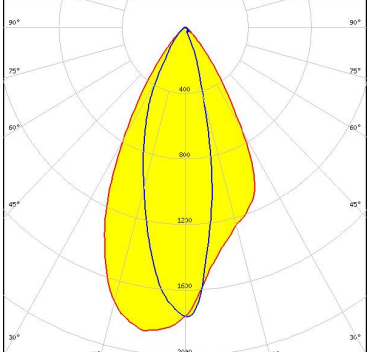
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17414_SPORT-2X2-S6 » Box size: 480 x 280 x 300 mm	476	140	28	11.4



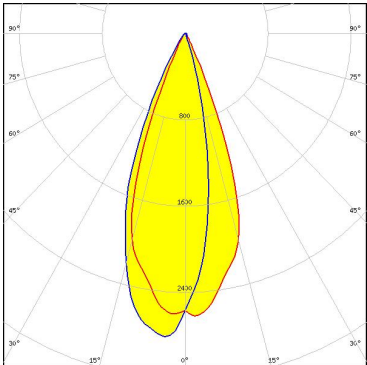
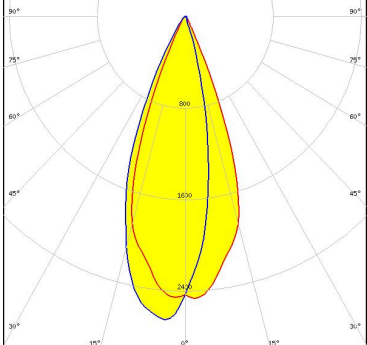
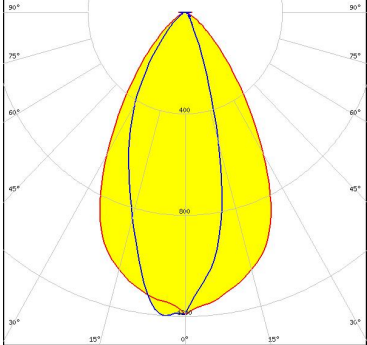
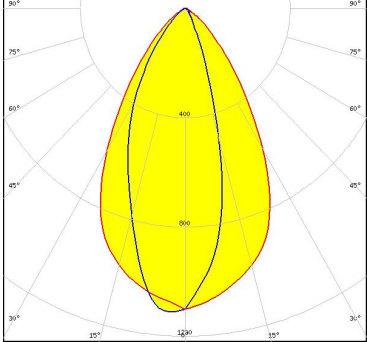


See also our general installation guide: www.ledil.com/installation_guide

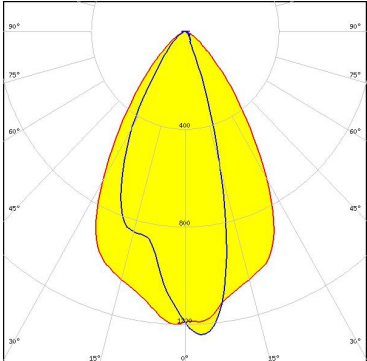
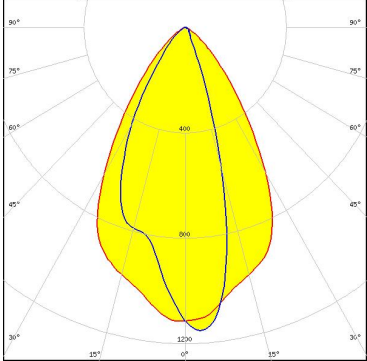
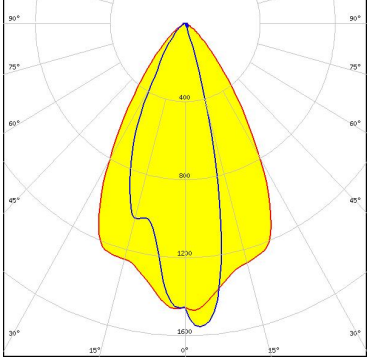
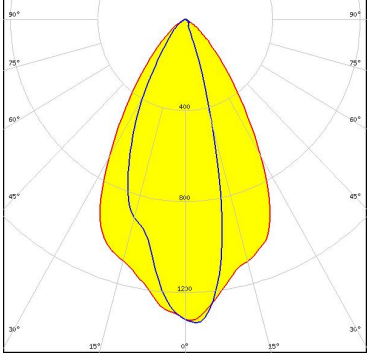
OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED XP-G4 FWHM / FWTM Asymmetric Efficiency 96 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>TEPCOMP group</p> <p>LED PassivePAQ-R-274x51-NI0-21K-857-5 FWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

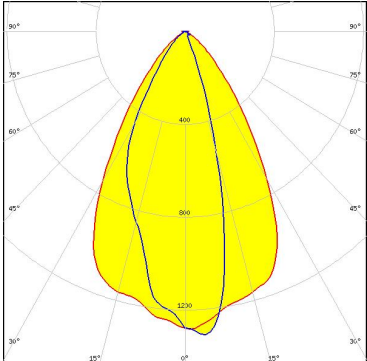
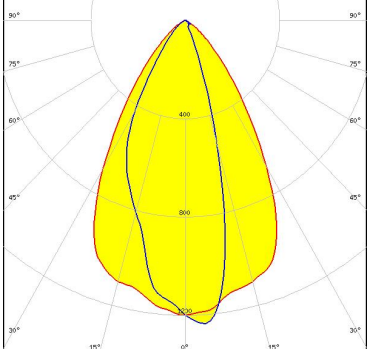
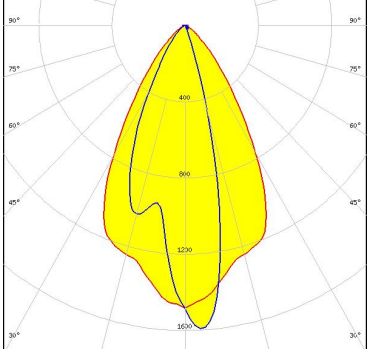
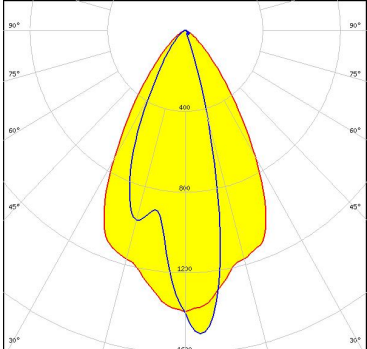
OPTICAL RESULTS (SIMULATED):

<p>CREE LEDs</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 LEDs</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 LEDs</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>	
<p>CREE LEDs</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>	

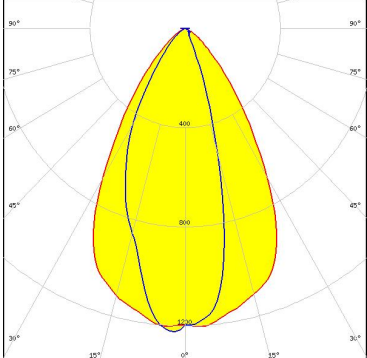
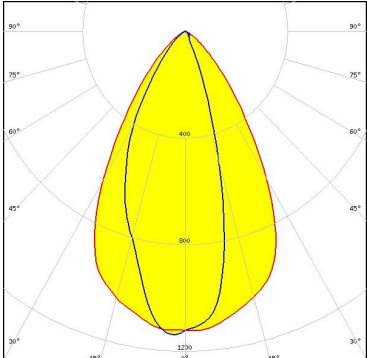
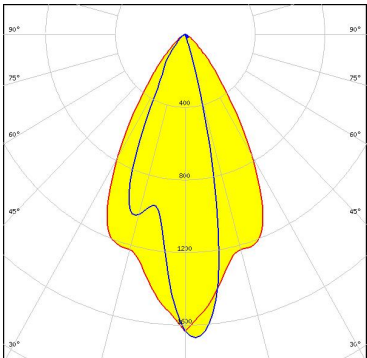
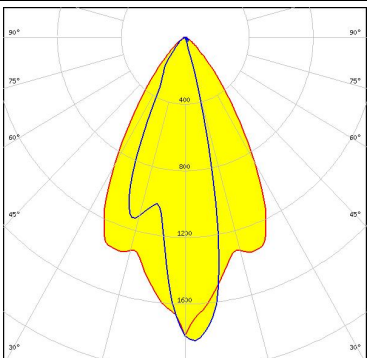
OPTICAL RESULTS (SIMULATED):

<p>CREE LEDs</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 LEDs</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 LEDs</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 LEDs</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 LEDs</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 LEDs</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:</p> <p>Protective plate, glass</p>	
<p>CREE LEDs</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 LEDs</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:</p> <p>Protective plate, glass</p>	

OPTICAL RESULTS (SIMULATED):

<p>CREE LEDs</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 LEDs</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>Protective plate, glass</p>	
<p>CREE LEDs</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>Protective plate, glass</p>	
<p>CREE LEDs</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>	

OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON 3030 2D (Round LES)</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 90 %</p> <p>Peak intensity: 1.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>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 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 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>	

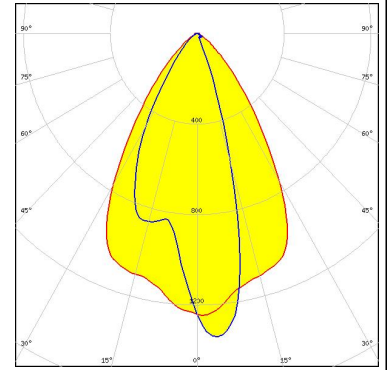
OPTICAL RESULTS (SIMULATED):

<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>	
<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>	

OPTICAL RESULTS (SIMULATED):

LUMILEDS

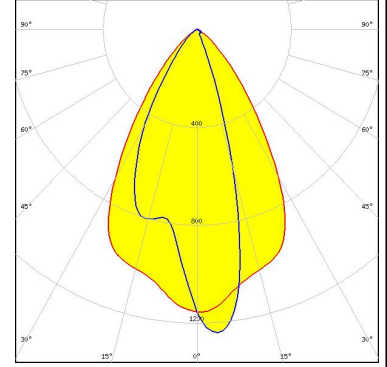
LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
 FWHM / FWTM Asymmetric
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

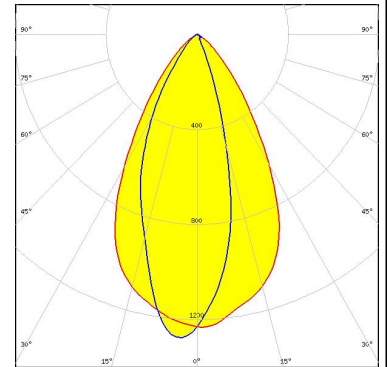
Protective plate, glass



LUMINUS

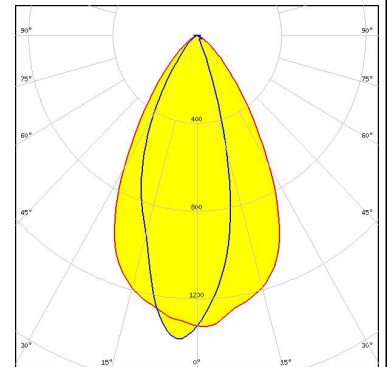
LED SST-70X-WCS
 FWHM / FWTM Asymmetric
 Efficiency 87 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



LUMINUS

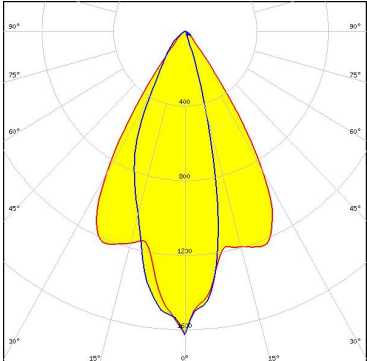
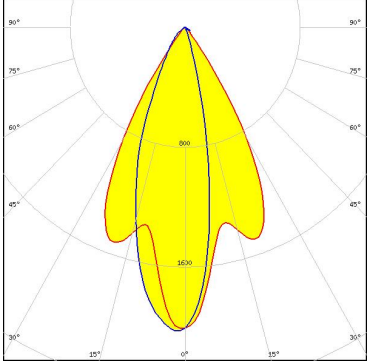
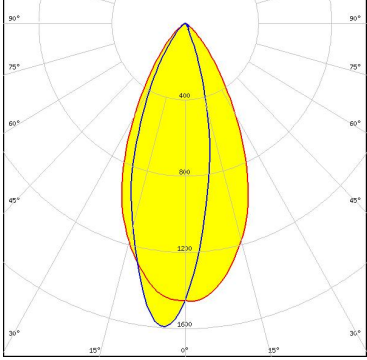
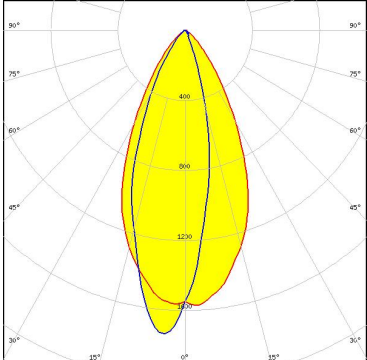
LED SST-70X-WCS
 FWHM / FWTM Asymmetric
 Efficiency 95 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED: NV4WB35AM 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>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 <small>Opto Semiconductors</small></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 <small>Opto Semiconductors</small></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>	

OPTICAL RESULTS (SIMULATED):

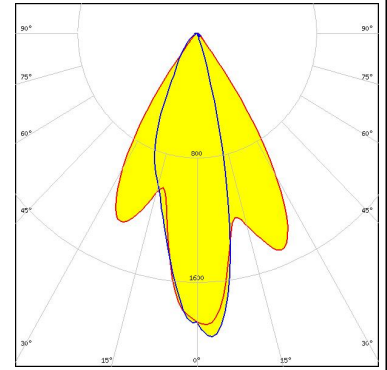
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (3W version)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED 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 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 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>	

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

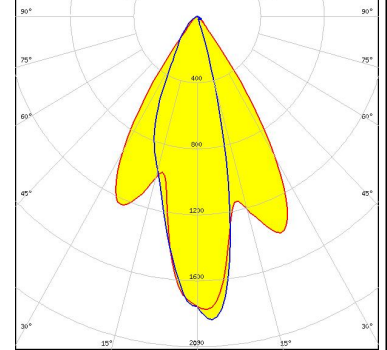


OSRAM

Opto Semiconductors

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

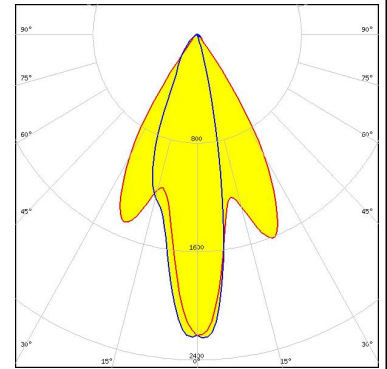
Protective plate, glass



OSRAM

Opto Semiconductors

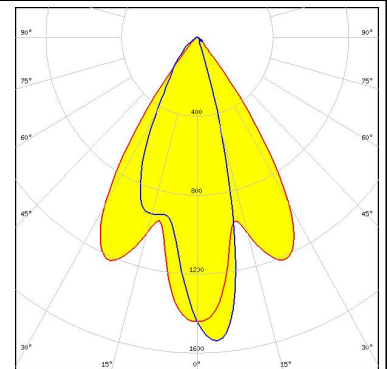
LED OSLOM Square Flat
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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

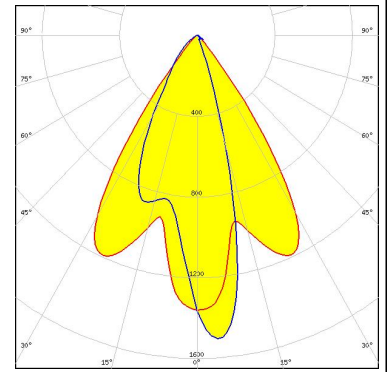


OPTICAL RESULTS (SIMULATED):

SAMSUNG

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

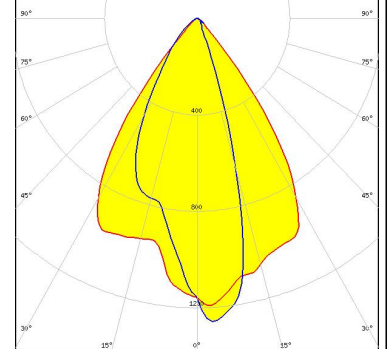
Protective plate, glass



SAMSUNG

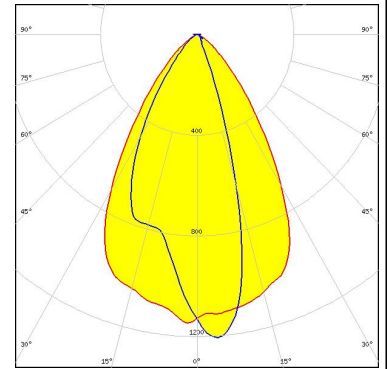
LED LH351D
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



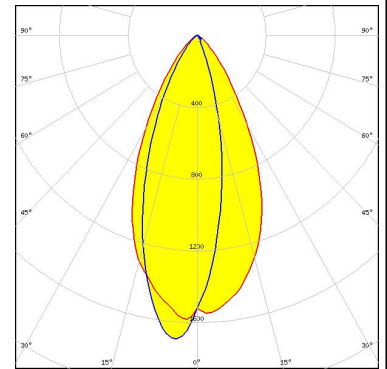
SAMSUNG

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



SAMSUNG

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

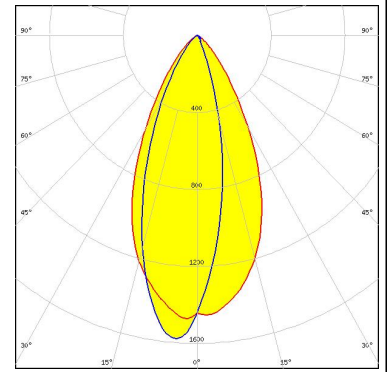


OPTICAL RESULTS (SIMULATED):

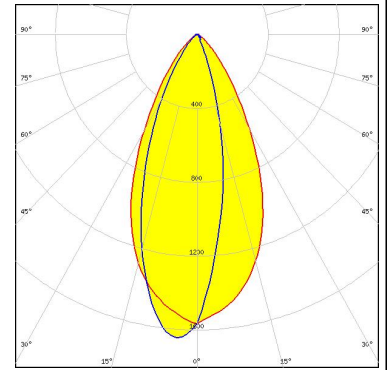
SAMSUNG

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

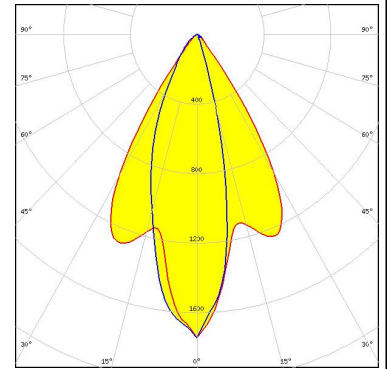


SEOUL SEMICONDUCTOR
 LED SEOUL DC 5050 6V
 FWHM / FWTM Asymmetric
 Efficiency 95 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



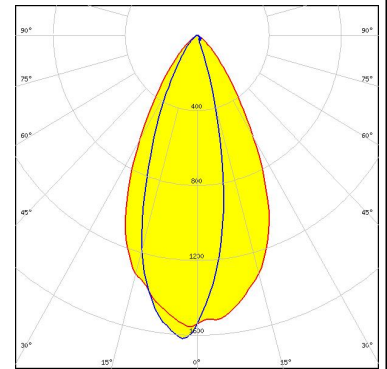
SEOUL SEMICONDUCTOR
 LED Z5M3
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



SEOUL SEMICONDUCTOR
 LED Z5M5
 FWHM / FWTM Asymmetric
 Efficiency 90 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)