

SPORT-2X2-FT60

Narrow forward throw beam for high masts

TECHNICAL SPECIFICATIONS:

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

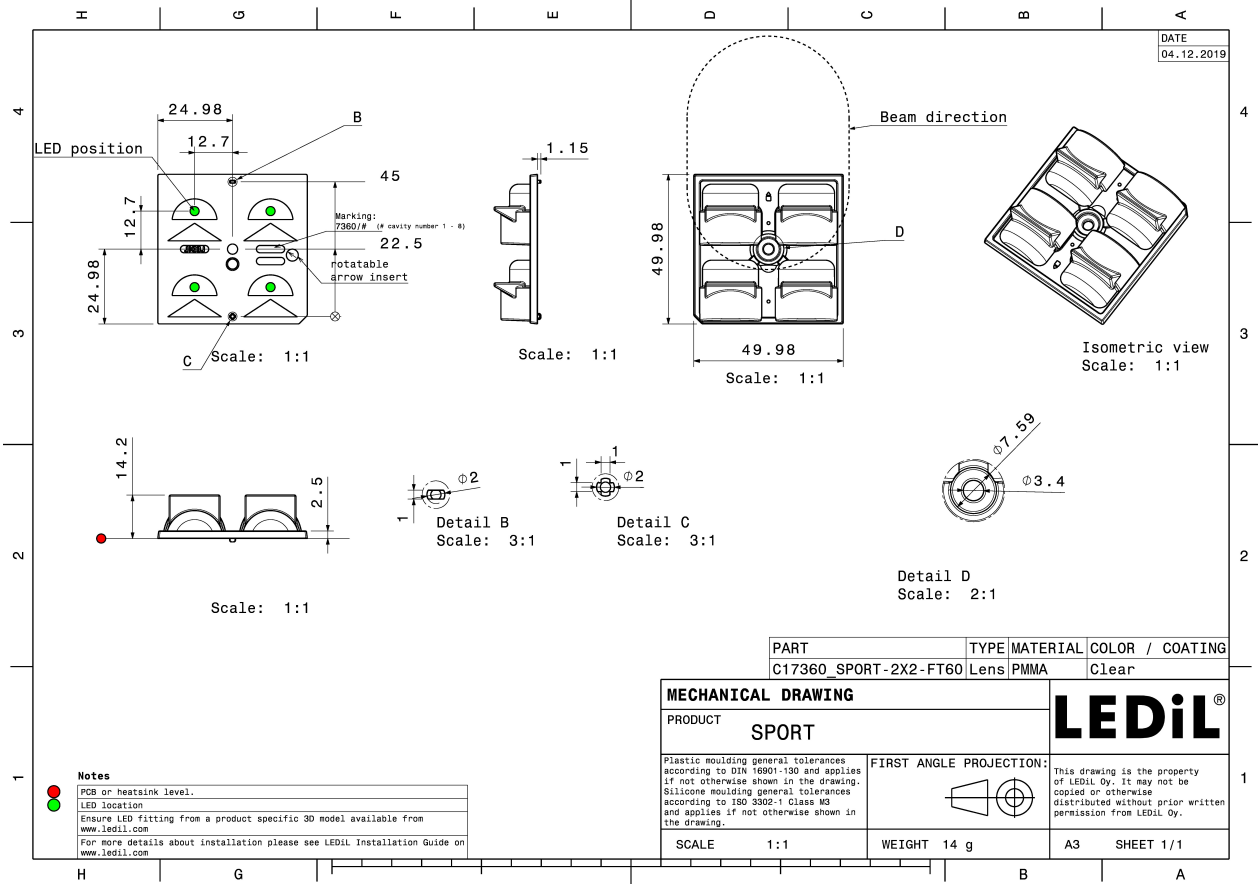
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
SPORT-2X2-FT60	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17360_SPORT-2X2-FT60 » Box size: 480 x 280 x 300 mm	640	128	128	9.5



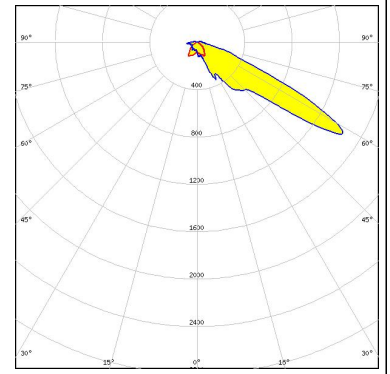


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):



LED PassivePAQ-R-222x50.OS1.9.7K-750-5 V1.0
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>CREE  LED</p> <p>LED J Series 5050 Round LES FWHM / FWTM Asymmetric Efficiency 78 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>Protective plate, glass</p>	
<p>CREE  LED</p> <p>LED J Series 5050 Round LES FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE  LED</p> <p>LED XHP50.3 HI FWHM / FWTM Asymmetric Efficiency 77 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>Protective plate, glass</p>	
<p>CREE  LED</p> <p>LED XHP50.3 HI FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

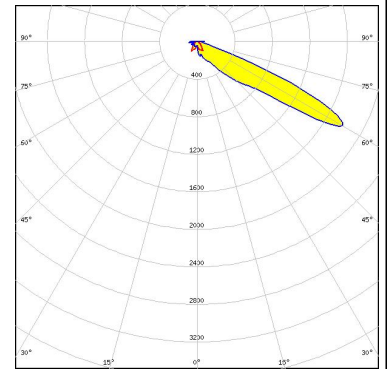
PHOTOMETRIC DATA (SIMULATED):

<p>CREE LED</p> <p>LED XM-L3 FWHM / FWTM Asymmetric Efficiency 74 % 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 XM-L3 FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE LED</p> <p>LED XP-E2 FWHM / FWTM Asymmetric Efficiency 88 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour Green Required components:</p>	
<p>CREE LED</p> <p>LED XP-G2 FWHM / FWTM Asymmetric Efficiency 77 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>Protective plate, glass</p>	

PHOTOMETRIC DATA (SIMULATED):

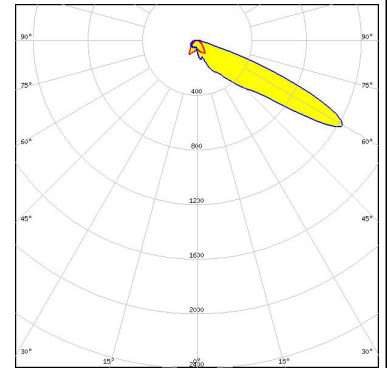


LED XP-G2
 FWHM / FWTM Asymmetric
 Efficiency 90 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

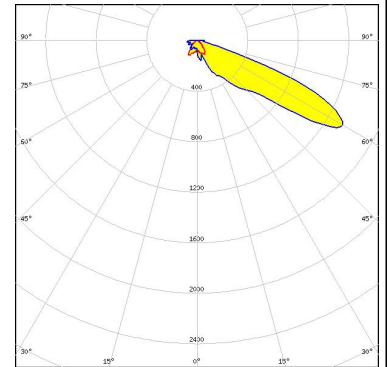


LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 73 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

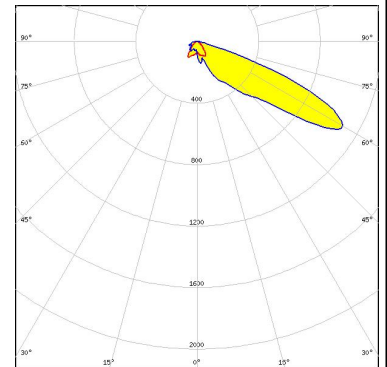


LED XP-L HD
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-L HD
 FWHM / FWTM Asymmetric
 Efficiency 75 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



PHOTOMETRIC DATA (SIMULATED):

<p>CREE LED</p> <p>LED: XP-L HI FWHM / FWTM: Asymmetric Efficiency: 76 % Peak intensity: 1.4 cd/lm LEDs/each optic: 1 Light colour: White Required components: Protective plate, glass</p>	
<p>CREE LED</p> <p>LED: XP-L HI FWHM / FWTM: Asymmetric Efficiency: 92 % Peak intensity: 1.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE LED</p> <p>LED: XP-L2 FWHM / FWTM: Asymmetric Efficiency: 72 % Peak intensity: 1 cd/lm LEDs/each optic: 1 Light colour: White Required components: Protective plate, glass</p>	
<p>CREE LED</p> <p>LED: XP-L2 FWHM / FWTM: Asymmetric Efficiency: 87 % Peak intensity: 1.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

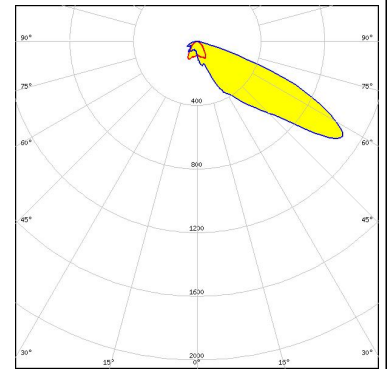
<p>CREE LED</p> <p>LED: XP-P FWHM / FWTM: Asymmetric Efficiency: 77 % Peak intensity: 1.7 cd/lm LEDs/each optic: 1 Light colour: White Required components: Protective plate, glass</p>	
<p>CREE LED</p> <p>LED: XP-P FWHM / FWTM: Asymmetric Efficiency: 93 % Peak intensity: 2.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 5050 HE FWHM / FWTM: Asymmetric Efficiency: 74 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components: Protective plate, glass</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 5050 HE FWHM / FWTM: Asymmetric Efficiency: 89 % Peak intensity: 1.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

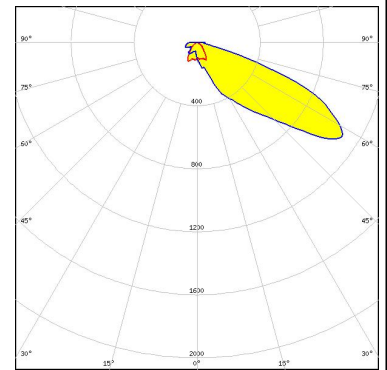
LED LUXEON 5050 Round LES
 FWHM / FWTM Asymmetric
 Efficiency 78 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



LUMILEDS

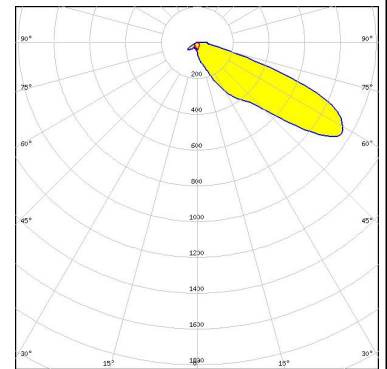
LED LUXEON 5050 Square LES
 FWHM / FWTM Asymmetric
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

LED LUXEON 5050 Square LES
 FWHM / FWTM Asymmetric
 Efficiency 70 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

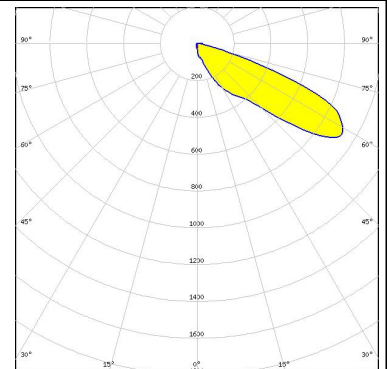
C18069_SPORT-2X2-FT-SHD-WHT



LUMILEDS

LED LUXEON 5050 Square LES
 FWHM / FWTM Asymmetric
 Efficiency 58 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

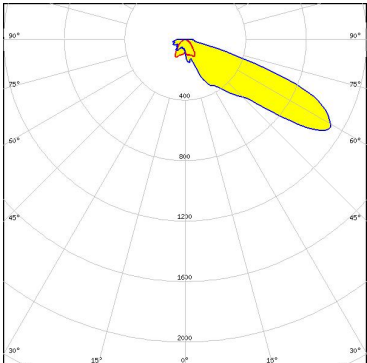
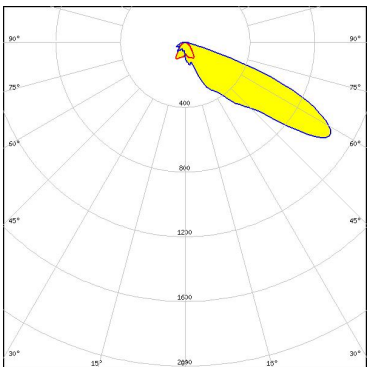
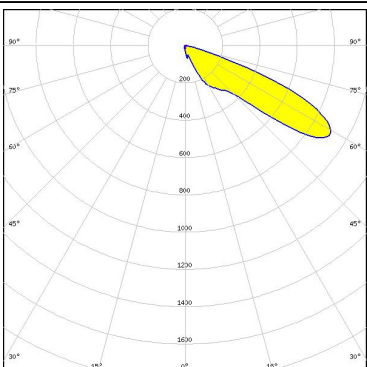
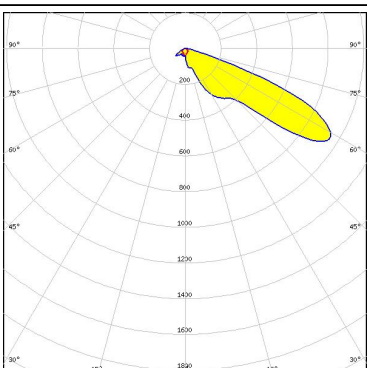
C17929_SPORT-2X2-FT-SHD-BLK



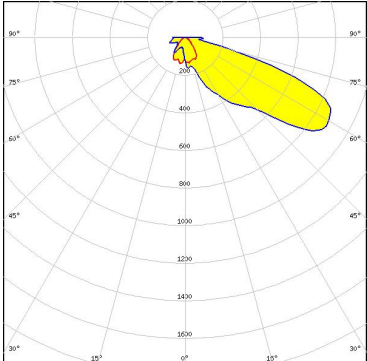
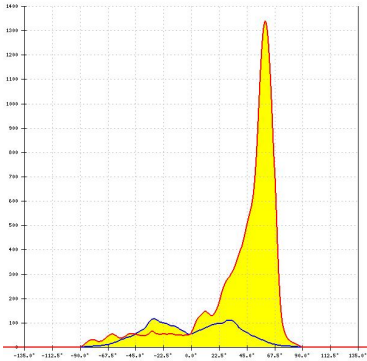
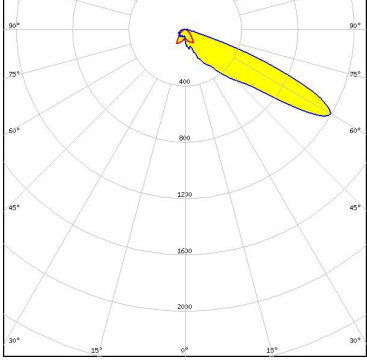
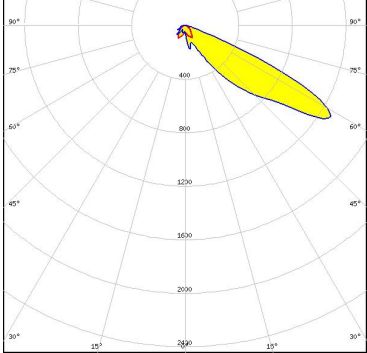
PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON 5050 Square LES</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 76 %</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>Protective plate, glass</p>	
<p>LUMILEDS</p> <p>LED: LUXEON HL2X</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 88 %</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>LUMILEDS</p> <p>LED: LUXEON TX</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>LUMINUS</p> <p>LED: SST-70X-WCS</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 76 %</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>Protective plate, glass</p>	

PHOTOMETRIC DATA (SIMULATED):

<p>LUMINUS</p> <p>LED SST-70X-WCS FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NV4WB35AM FWHM / FWTM Asymmetric Efficiency 75 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>Protective plate, glass</p>	
<p>NICHIA</p> <p>LED NV4WB35AM FWHM / FWTM Asymmetric Efficiency 49 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>C17929_SPORT-2X2-FT-SHD-BLK</p> <p>Protective plate, glass</p>	
<p>NICHIA</p> <p>LED NV4WB35AM FWHM / FWTM Asymmetric Efficiency 61 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>C18069_SPORT-2X2-FT-SHD-WHT</p> <p>Protective plate, glass</p>	

PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED: NV4x144A FWHM / FWTM: Asymmetric Efficiency: 86 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW219F FWHM / FWTM: Asymmetric Efficiency: 76 % Peak intensity: 1.3 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>NICHIA</p> <p>LED: NVSW3x9A FWHM / FWTM: Asymmetric Efficiency: 76 % Peak intensity: 1.2 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>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: Asymmetric Efficiency: 77 % Peak intensity: 1.3 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>	

PHOTOMETRIC DATA (SIMULATED):

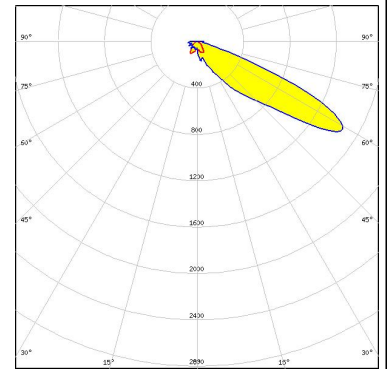
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S8 FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S8 FWHM / FWTM Asymmetric Efficiency 78 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ C 2424 FWHM / FWTM Asymmetric Efficiency 89 % Peak intensity 0.8 cd/lm LEDs/each optic 4 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (3W version) FWHM / FWTM Asymmetric Efficiency 75 % Peak intensity 1.2 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>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 Flat
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

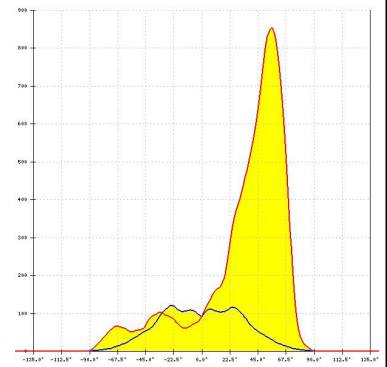


OSRAM

Opto Semiconductors

LED OSCONIQ S 5050
 FWHM / FWTM Asymmetric
 Efficiency 78 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

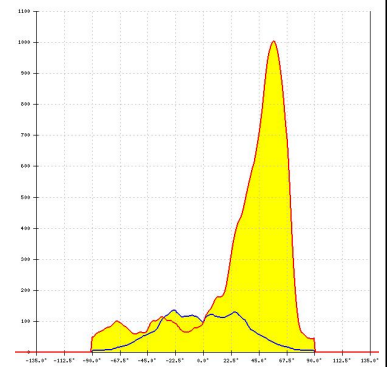
Protective plate, glass



OSRAM

Opto Semiconductors

LED OSCONIQ S 5050
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

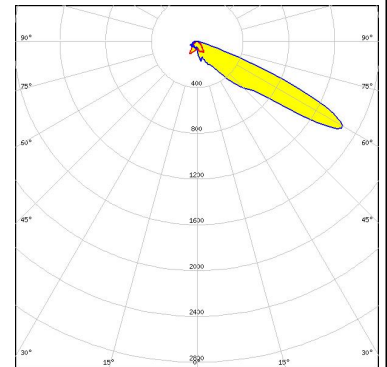


OSRAM

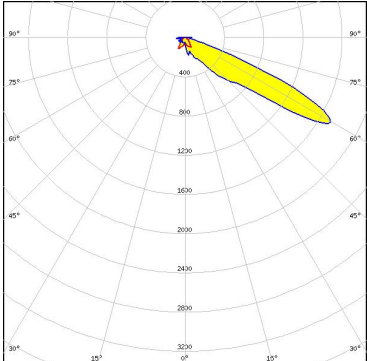
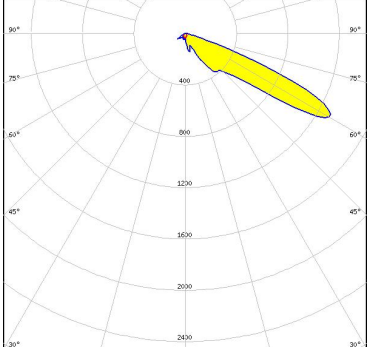
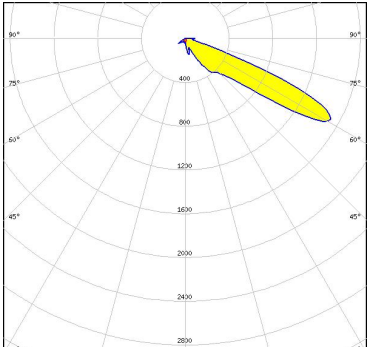
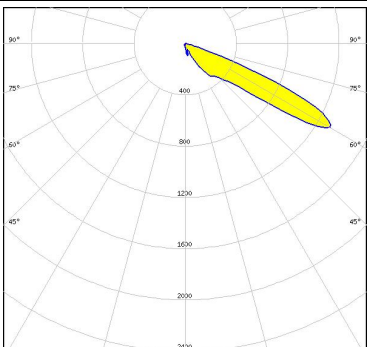
Opto Semiconductors

LED OSLO Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 76 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



PHOTOMETRIC DATA (SIMULATED):

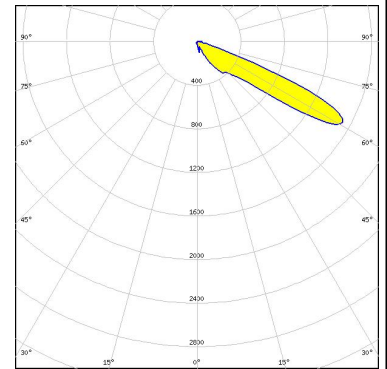
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 63 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C18069_SPORT-2X2-FT-SHD-WHT</p> <p>Protective plate, glass</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 73 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C18069_SPORT-2X2-FT-SHD-WHT</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 51 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C17929_SPORT-2X2-FT-SHD-BLK</p> <p>Protective plate, glass</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

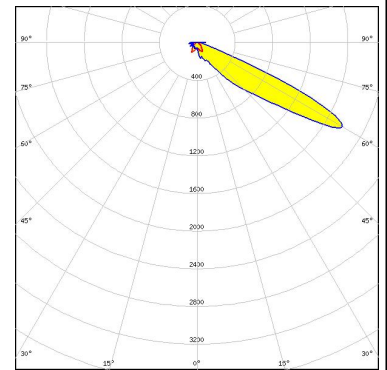
LED OSLO Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 62 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17929_SPORT-2X2-FT-SHD-BLK



OSRAM

Opto Semiconductors

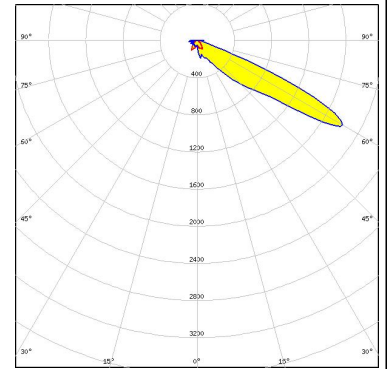
LED OSLO Square Flat
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

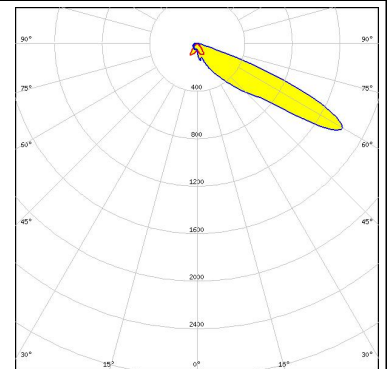
LED OSTAR Projection Compact (Kx.CSLNM1.xx)
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

LED LH351B
 FWHM / FWTM Asymmetric
 Efficiency 75 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

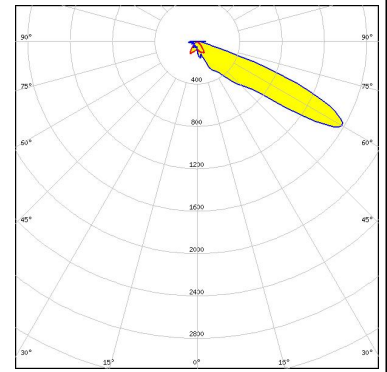
Protective plate, glass



PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

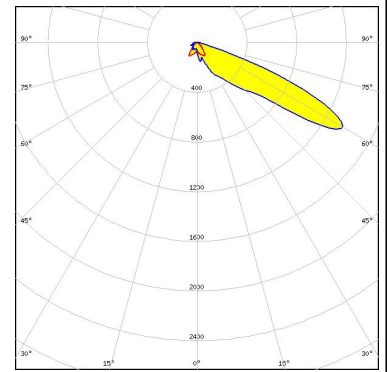
LED LH351C
 FWHM / FWTM Asymmetric
 Efficiency 88 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

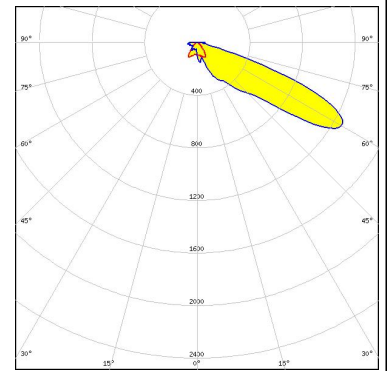
LED LH351C
 FWHM / FWTM Asymmetric
 Efficiency 77 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



SAMSUNG

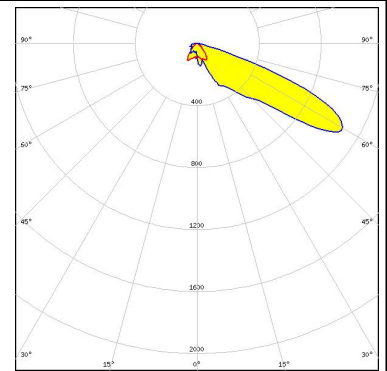
LED LH351D
 FWHM / FWTM Asymmetric
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

LED LH351D
 FWHM / FWTM Asymmetric
 Efficiency 74 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

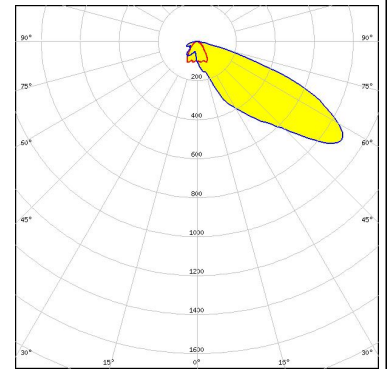


PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

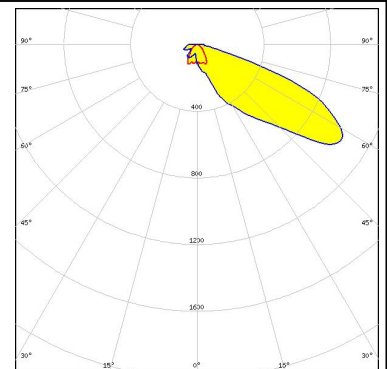
LED LH502C
 FWHM / FWTM Asymmetric
 Efficiency 75 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



SAMSUNG

LED LH502C
 FWHM / FWTM Asymmetric
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

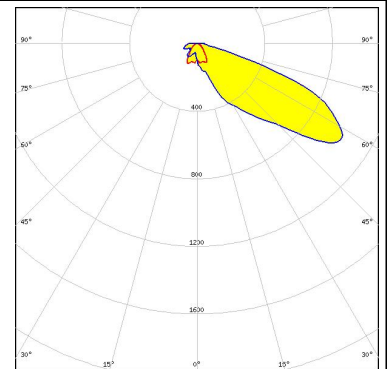
LED MJT 5050
 FWHM / FWTM Asymmetric
 Efficiency 76 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



SEOUL SEMICONDUCTOR

LED SEOUL DC 5050 6V
 FWHM / FWTM Asymmetric
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>SEOUL SEMICONDUCTOR</p> <p>LED: Z5M3</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 76 %</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>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y22</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 90 %</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>SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y50P</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>	

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)