

SPORT-2X2-S4

Slightly asymmetric ~40° spot beam with minimum spill light

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	14.4 mm
Fastening	screw
ROHS compliant	yes ⓘ

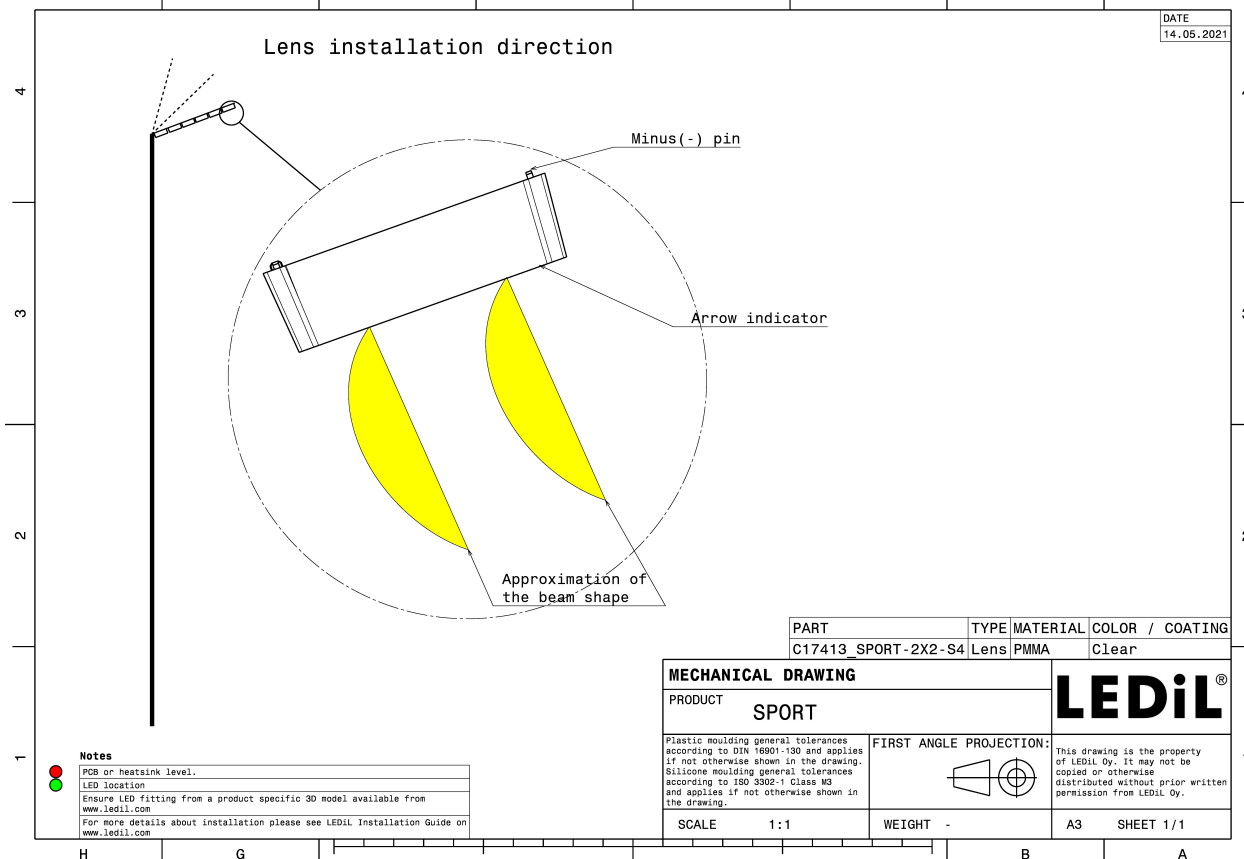
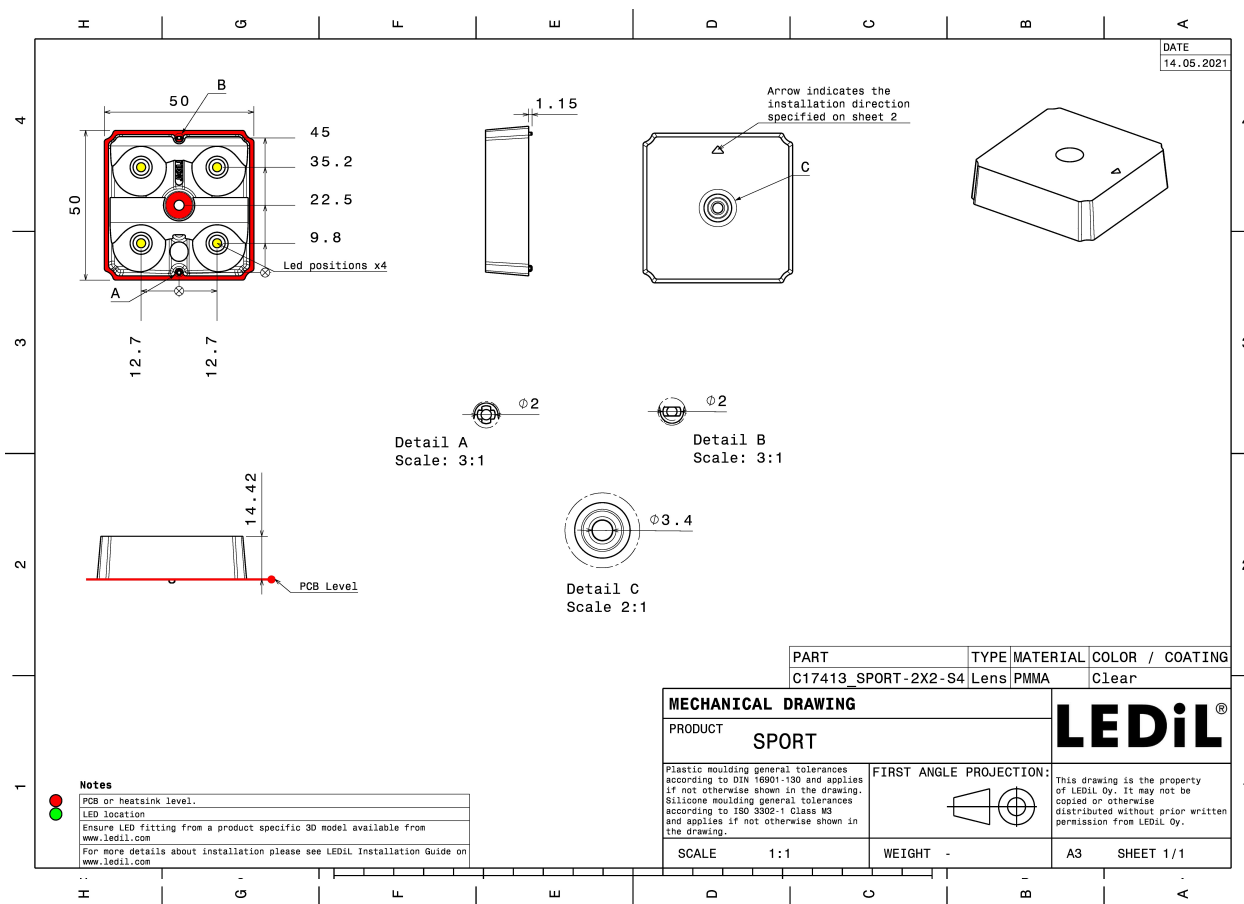
MATERIALS:

Component	Type	Material	Colour	Finish
SPORT-2X2-S4	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17413_SPORT-2X2-S4 » Box size: 480 x 280 x 300 mm	476	140	28	10.2





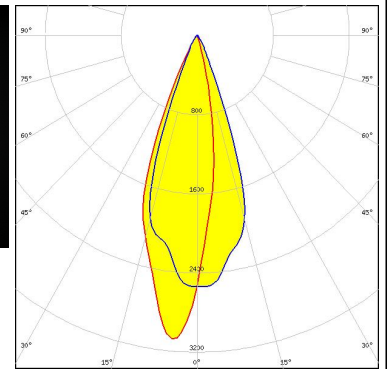
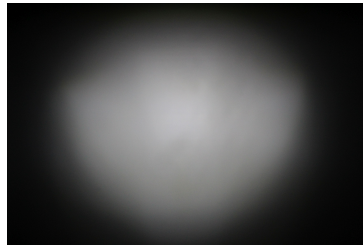
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

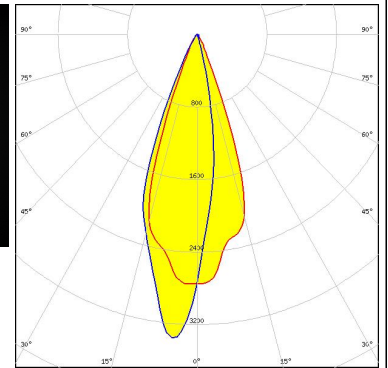
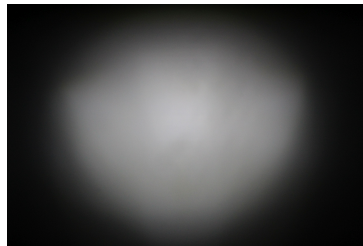


LED NV4WB35AM
FWHM / FWTM Asymmetric
Efficiency 88 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

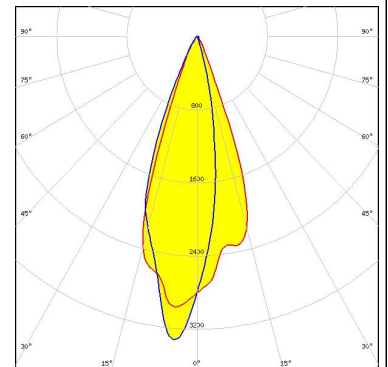
Protective plate, glass



LED NV4WB35AM
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



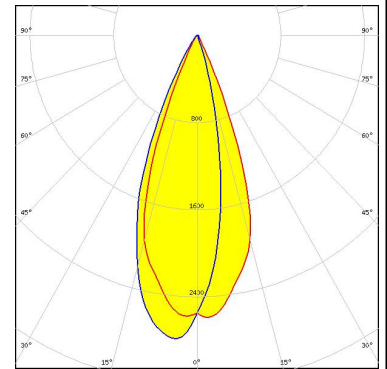
LED PassivePAQ-R-274x51-NI0-21K-857-5
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

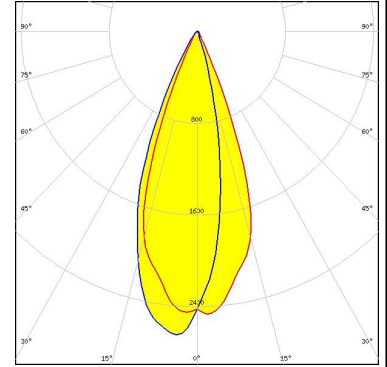


LED J Series 5050 Round LES
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



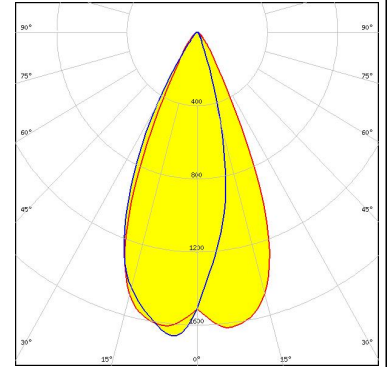
LED J Series 5050 Round LES
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

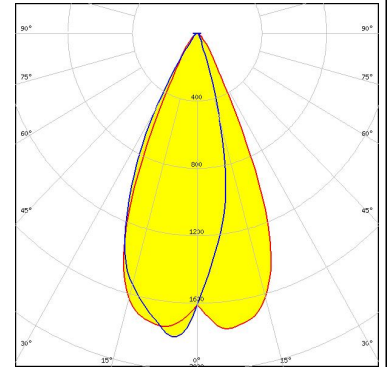


LED XHP35.2 HD
 FWHM / FWTM Asymmetric
 Efficiency 88 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



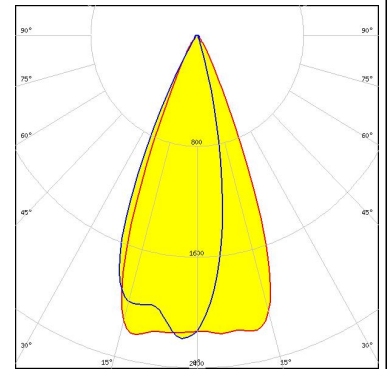
LED XHP35.2 HD
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

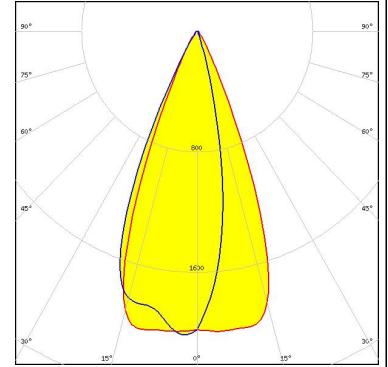


LED XHP35.2 HI
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 2.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:

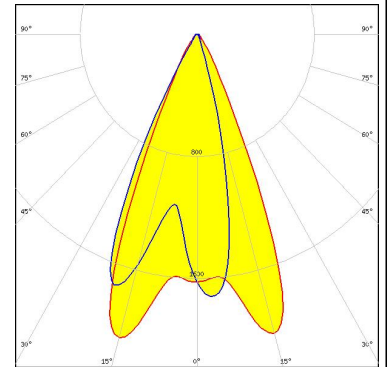


LED XHP35.2 HI
FWHM / FWTM Asymmetric
Efficiency 88 %
Peak intensity 2.3 cd/Im
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

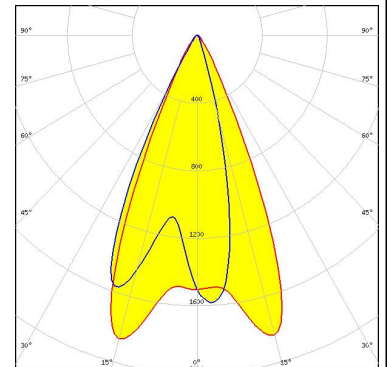


LED XM-L3
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 2.4 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED XM-L3
FWHM / FWTM Asymmetric
Efficiency 89 %
Peak intensity 2.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:

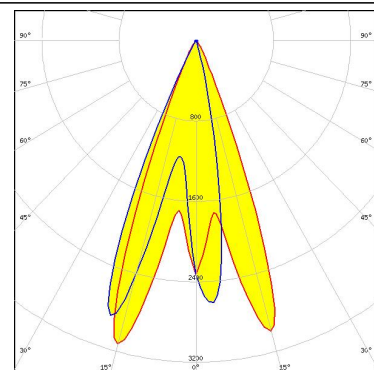
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

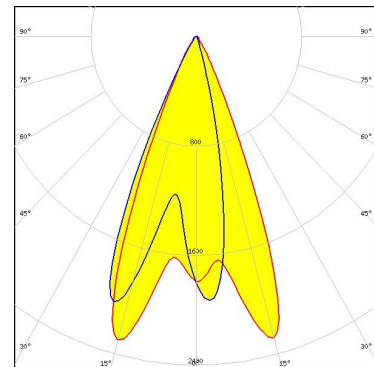


LED XP-G2 HE
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



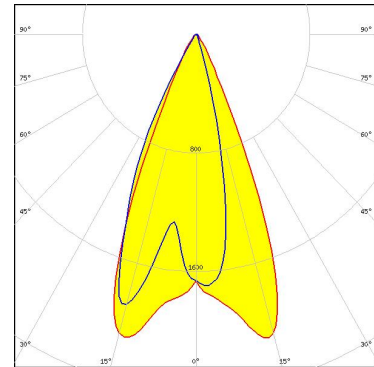
LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

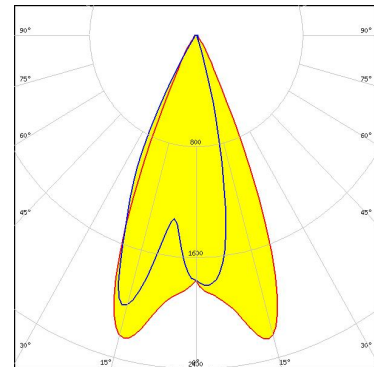


LED XP-L HD
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



LED XP-L HD
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

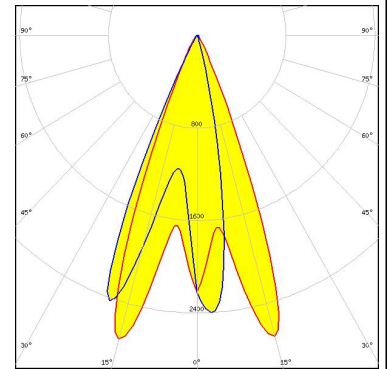


OPTICAL RESULTS (SIMULATED):

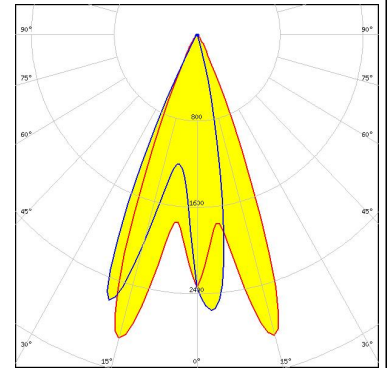


LED XP-L HI
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 3.6 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:

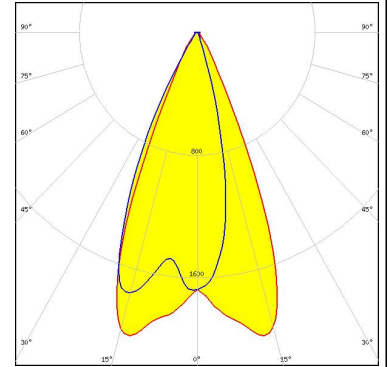
Protective plate, glass



LED XP-L HI
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 3.8 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:

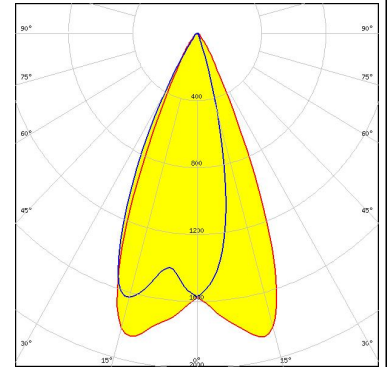


LED XP-L2
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 2.3 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-L2
 FWHM / FWTM Asymmetric
 Efficiency 88 %
 Peak intensity 2.1 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:

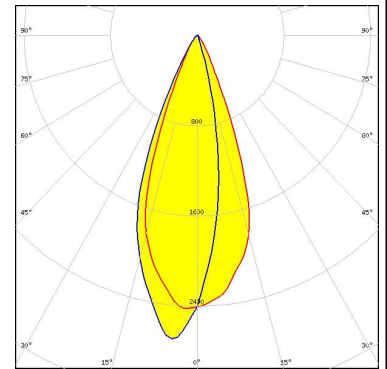
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

LUMILEDS

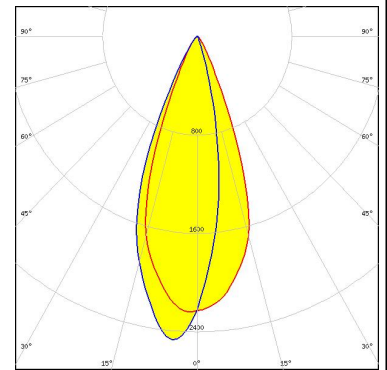
LED LUXEON 5050 HE
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

LED LUXEON 5050 HE
FWHM / FWTM Asymmetric
Efficiency 89 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

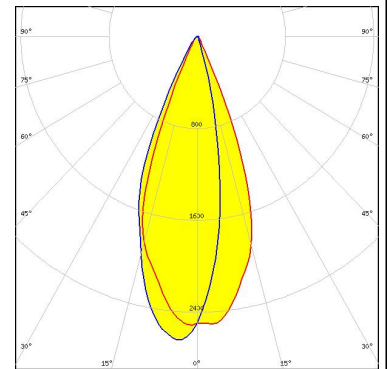
Protective plate, glass



LUMILEDS

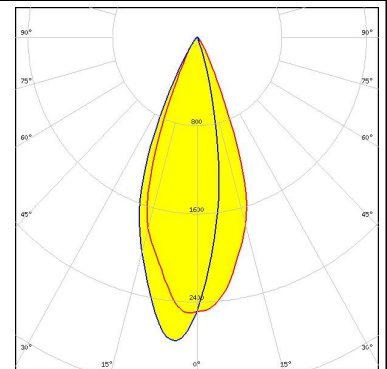
LED LUXEON 5050 Round LES
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



LUMILEDS

LED LUXEON 5050 Square LES
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

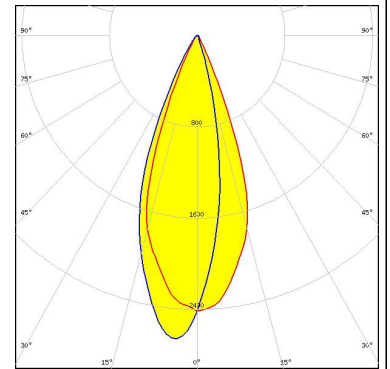


OPTICAL RESULTS (SIMULATED):

LUMILEDS

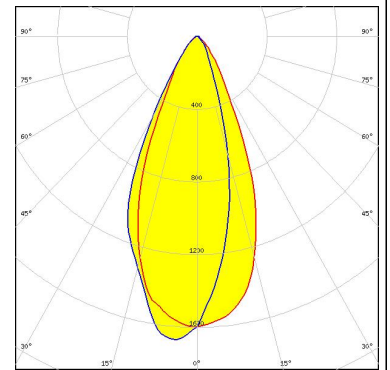
LED LUXEON 5050 Square LES
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 2.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



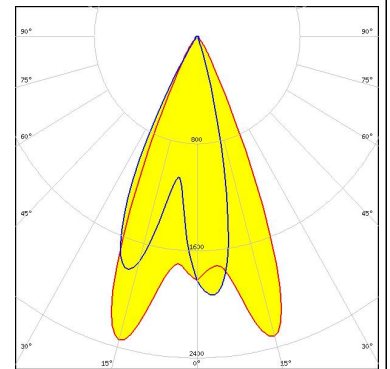
LUMILEDS

LED LUXEON 7070
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 1.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

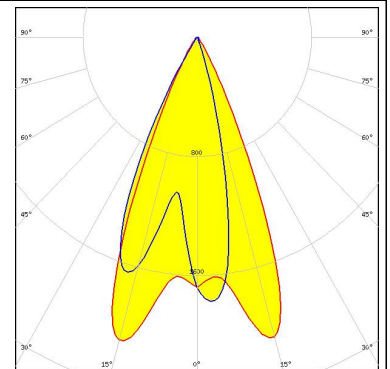
LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM Asymmetric
Efficiency 89 %
Peak intensity 2.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:

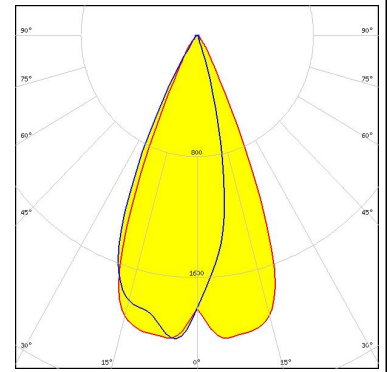
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

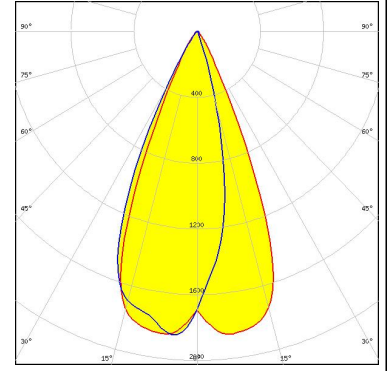


LED SST-70X-WCS
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



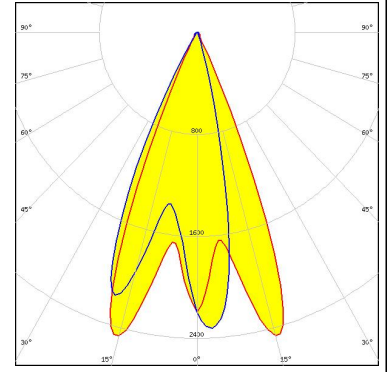
LED SST-70X-WCS
FWHM / FWTM Asymmetric
Efficiency 89 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



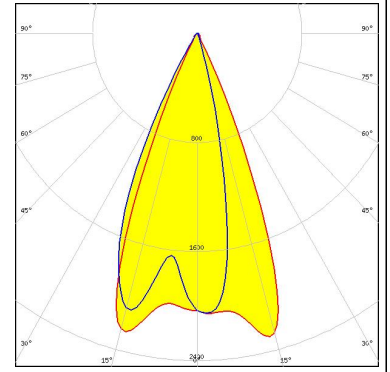
LED NVSW219F
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



LED NVSW3x9A
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

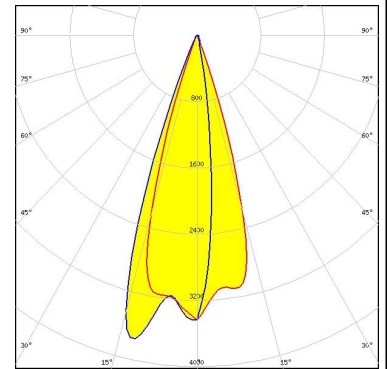


OPTICAL RESULTS (SIMULATED):



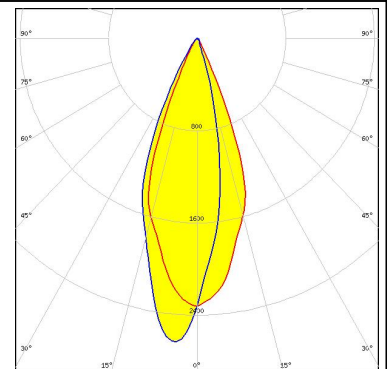
LED NVSxE21A
FWHM / FWTM Asymmetric
Efficiency 89 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

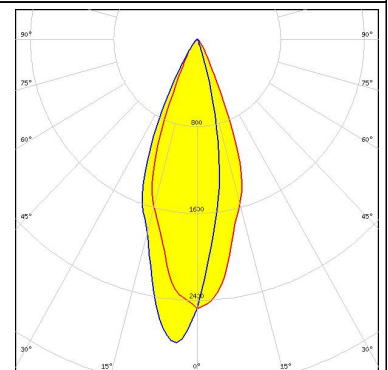


LED Duris S8
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

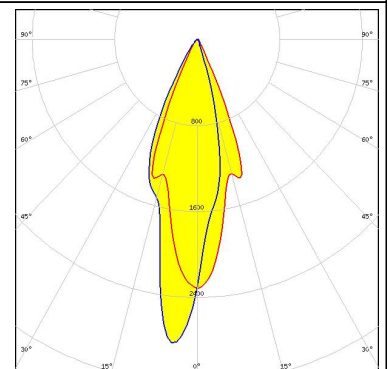
Protective plate, glass



LED Duris S8
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSCONIQ C 2424
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.9 cd/lm
LEDs/each optic 4
Light colour White
Required components:



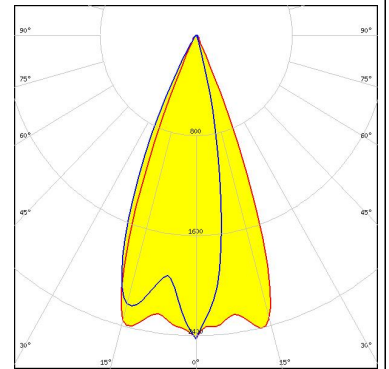
OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

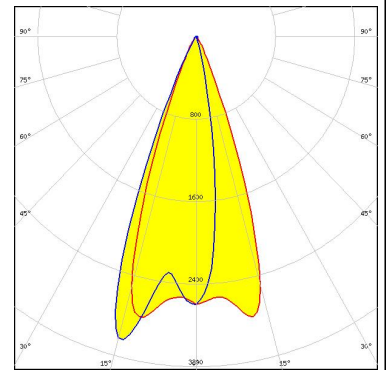
Protective plate, glass



OSRAM

Opto Semiconductors

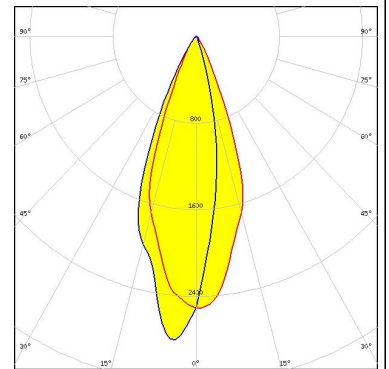
LED OSCONIQ P 3737 Flat
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSCONIQ S 5050
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

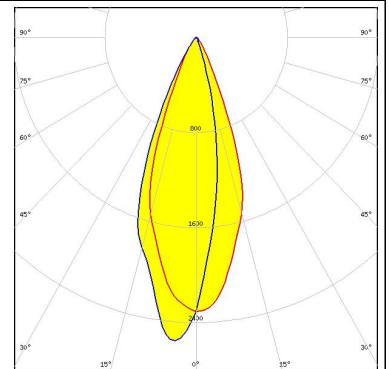


OSRAM

Opto Semiconductors

LED OSCONIQ S 5050
FWHM / FWTM Asymmetric
Efficiency 89 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



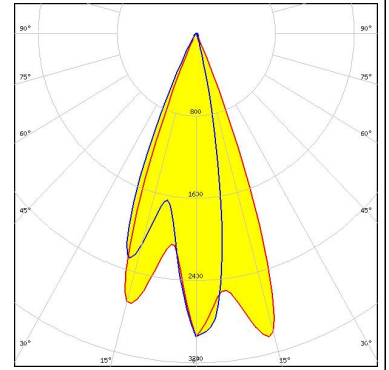
OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

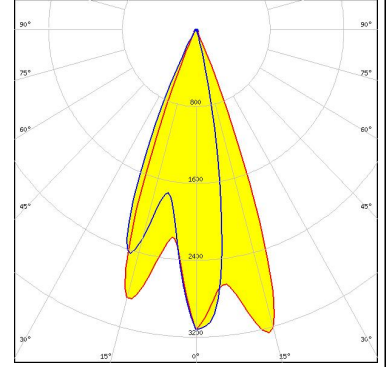
Protective plate, glass



OSRAM

Opto Semiconductors

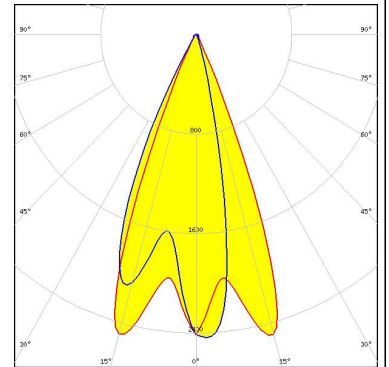
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED LH351B
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

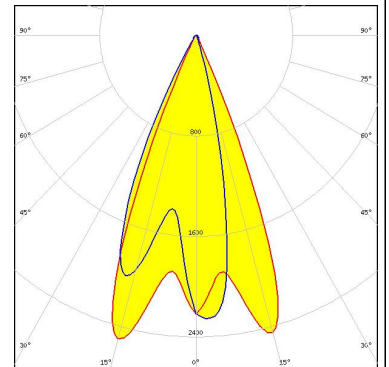
Protective plate, glass



SAMSUNG

LED LH351C
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

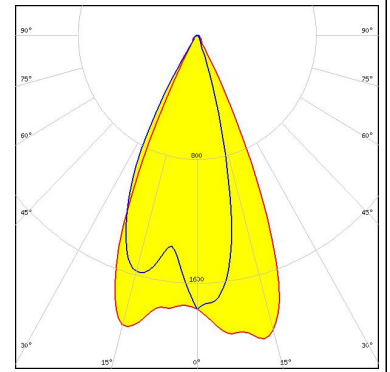


OPTICAL RESULTS (SIMULATED):

SAMSUNG

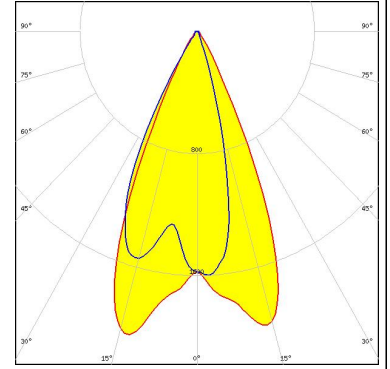
LED LH351D
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



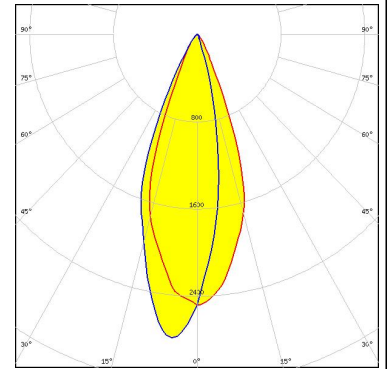
SAMSUNG

LED LH351D
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

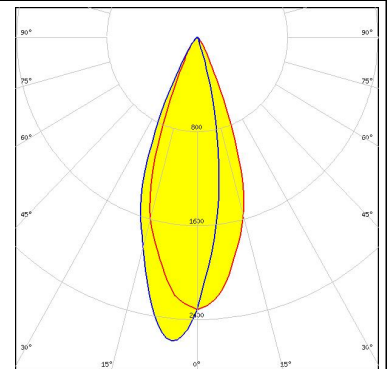
LED LH502C
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



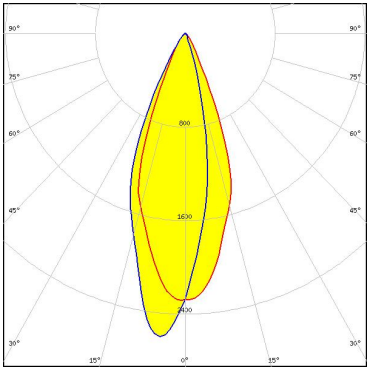
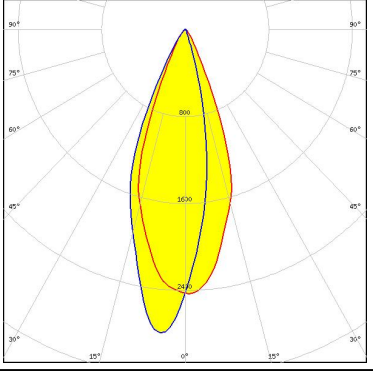
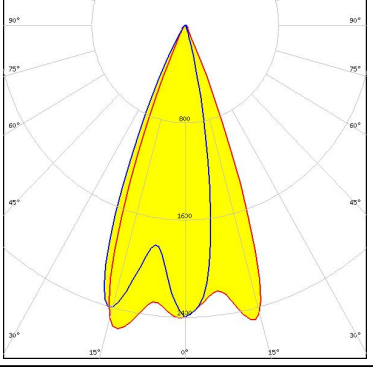
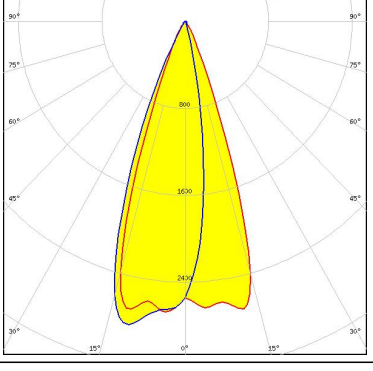
SAMSUNG

LED LH502C
FWHM / FWTM Asymmetric
Efficiency 90 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

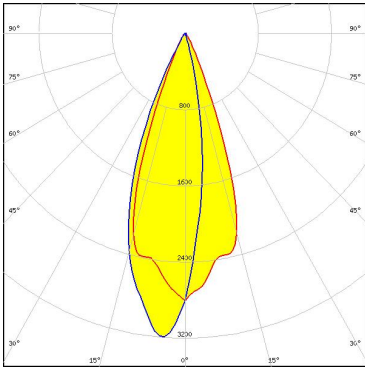
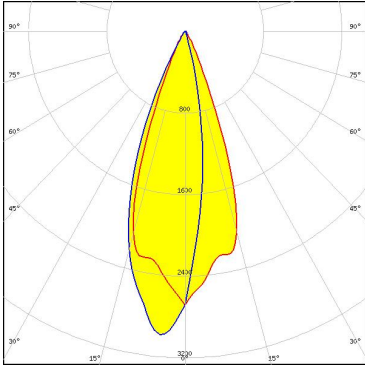
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR LED: SEOUL DC 5050 6V FWHM / FWTM: Asymmetric Efficiency: 92 % Peak intensity: 2.6 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: 97 % Peak intensity: 2.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:	
SEOUL SEMICONDUCTOR LED: Z5M3 FWHM / FWTM: Asymmetric Efficiency: 91 % Peak intensity: 3.1 cd/lm LEDs/each optic: 1 Light colour: White Required components: Protective plate, glass	
SEOUL SEMICONDUCTOR LED: Z5M4 FWHM / FWTM: Asymmetric Efficiency: 93 % Peak intensity: 3.2 cd/lm LEDs/each optic: 1 Light colour: White Required components: Protective plate, glass	

OPTICAL RESULTS (SIMULATED):

 SEOUL SEMICONDUCTOR LED Z5M5 FWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 3.2 cd/lm LEDs/each optic 1 Light colour White Required components:	
 SEOUL SEMICONDUCTOR LED Z5M5 FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass	

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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