

## 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 ⓘ

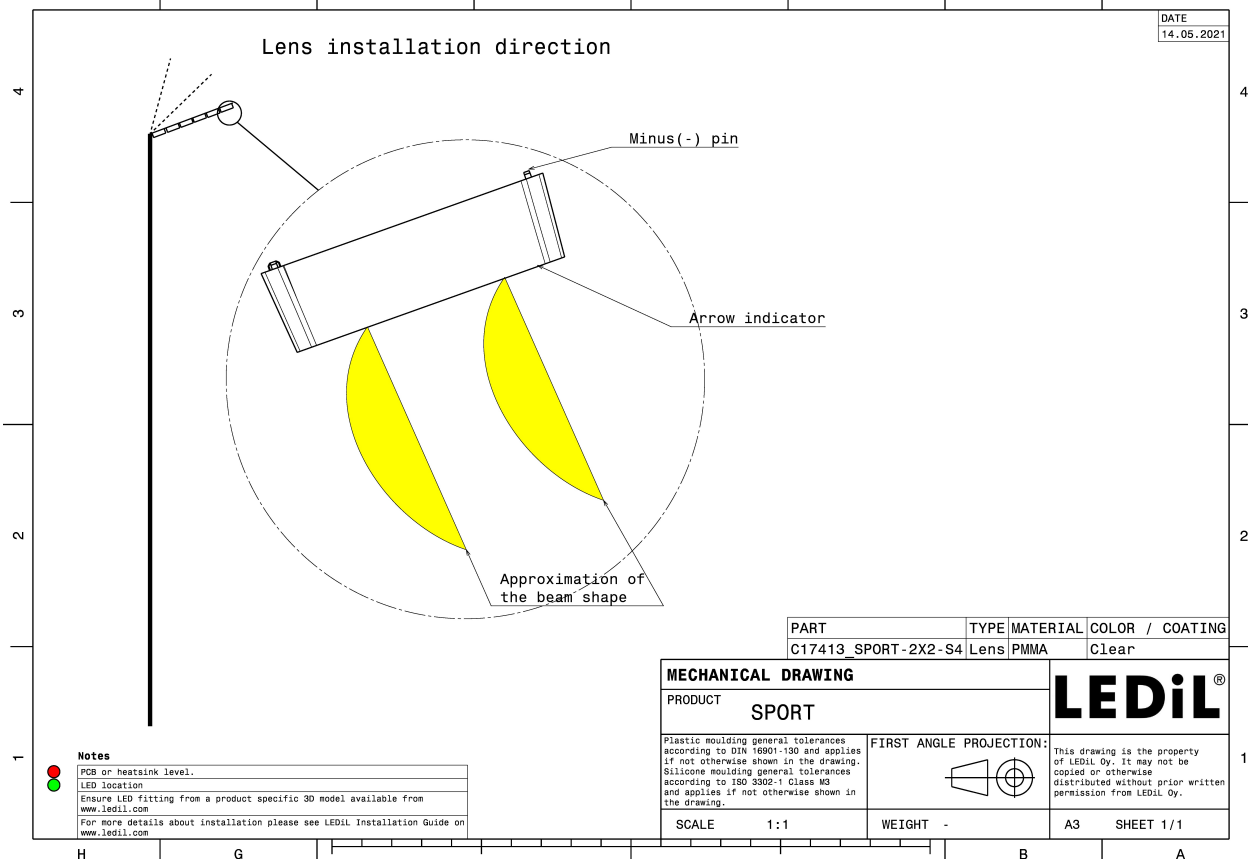
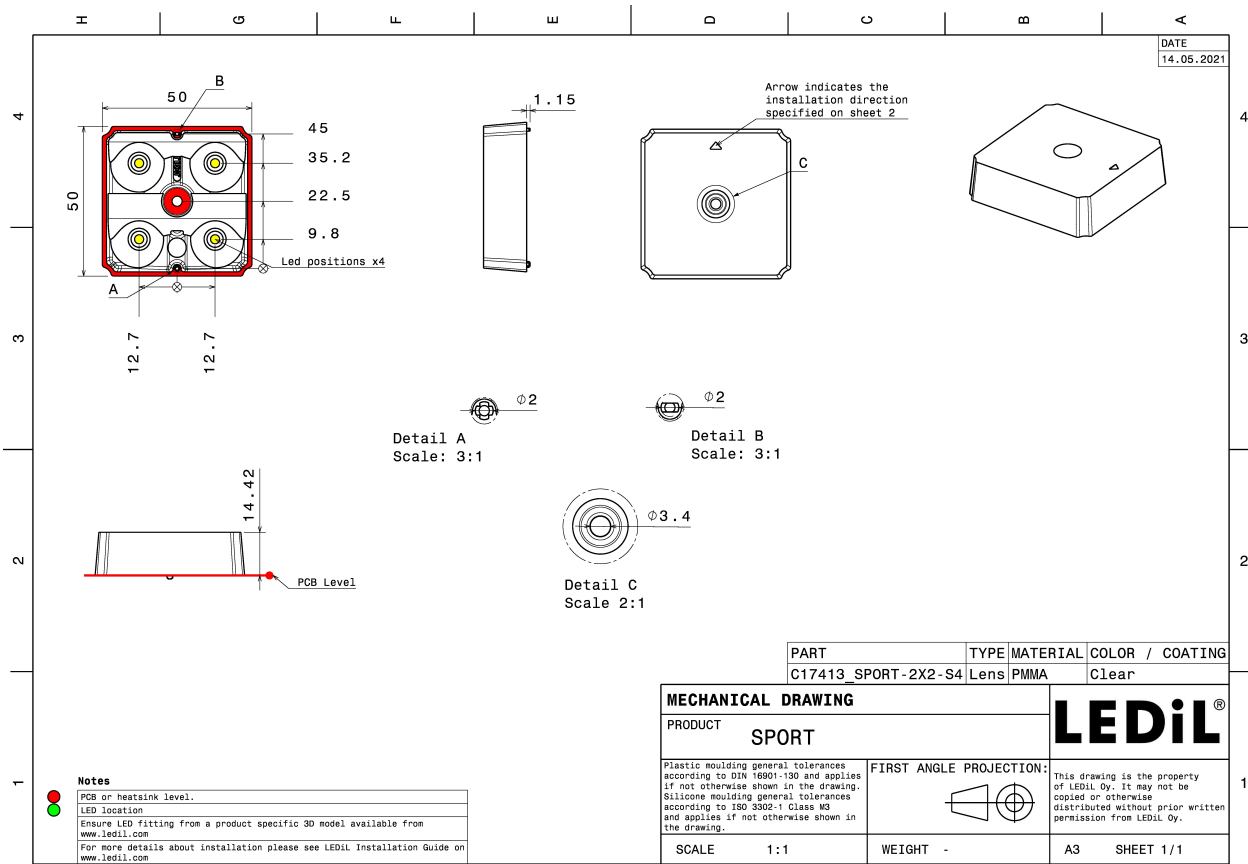
### MATERIALS:

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





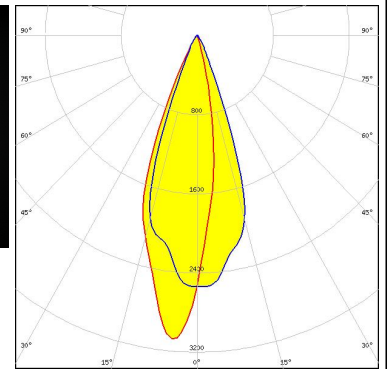
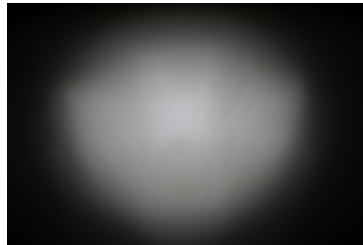
See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

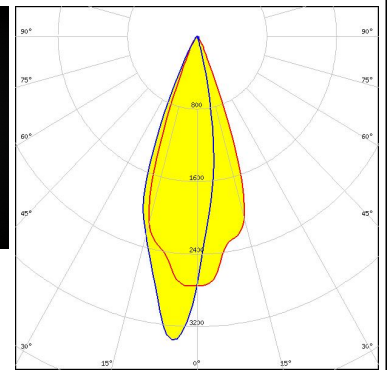
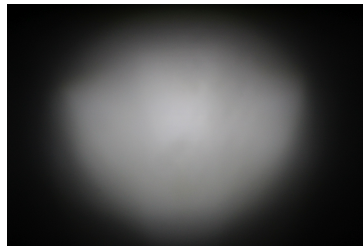


LED NV4WB35AM  
FWHM / FWTM Asymmetric  
Efficiency 88 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

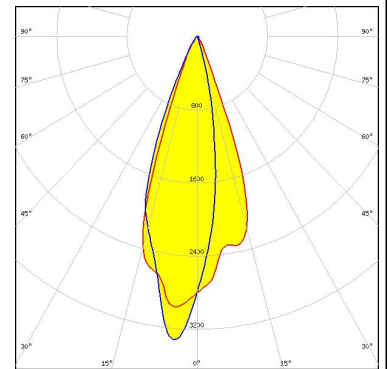
Protective plate, glass



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



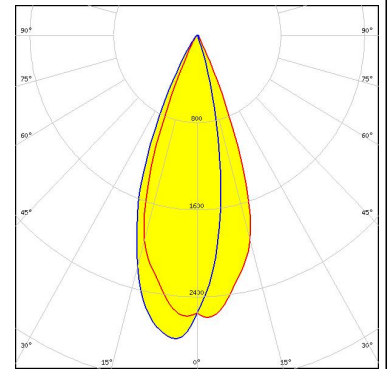
LED PassivePAQ-R-274x51-NI0-21K-857-5  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OPTICAL RESULTS (SIMULATED):

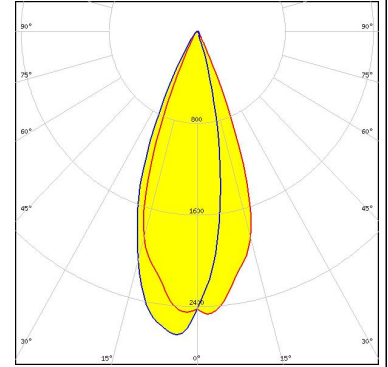


LED J Series 5050 Round LES  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 2.8 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:

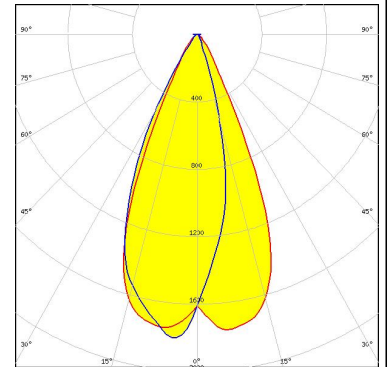


LED J Series 5050 Round LES  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 2.7 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

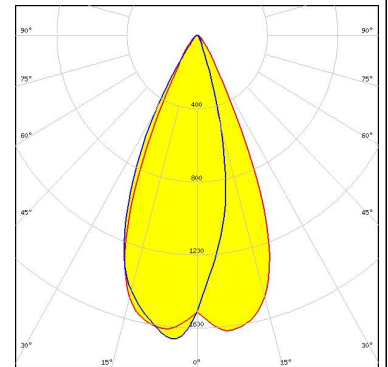


LED XHP35.2 HD  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 1.9 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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

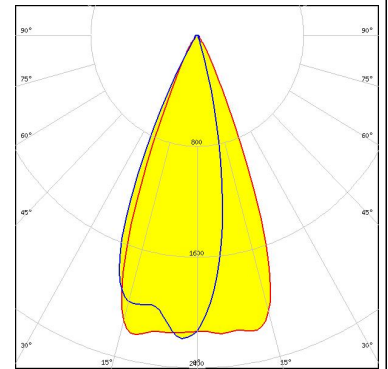
Protective plate, glass



#### OPTICAL RESULTS (SIMULATED):

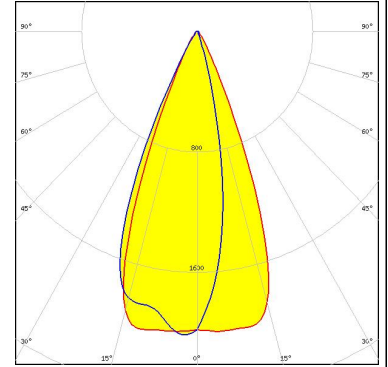


LED XHP35.2 HI  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 2.5 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



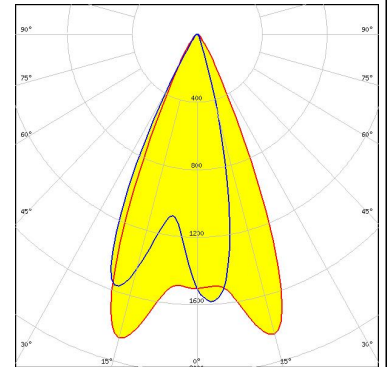
LED XHP35.2 HI  
FWHM / FWTM Asymmetric  
Efficiency 88 %  
Peak intensity 2.3 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass

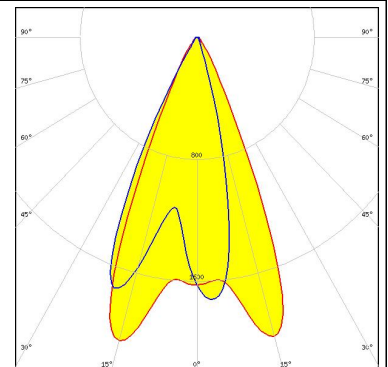


LED XM-L3  
FWHM / FWTM Asymmetric  
Efficiency 89 %  
Peak intensity 2.1 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass



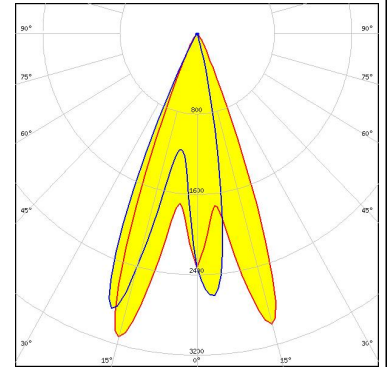
LED XM-L3  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 2.4 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



#### OPTICAL RESULTS (SIMULATED):

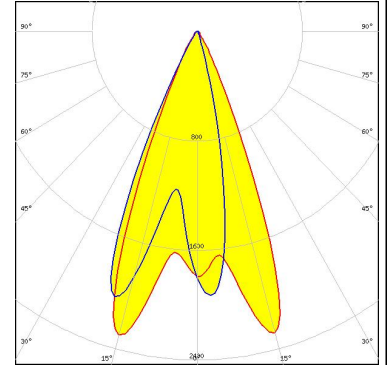


LED XP-G2 HE  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 4.1 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

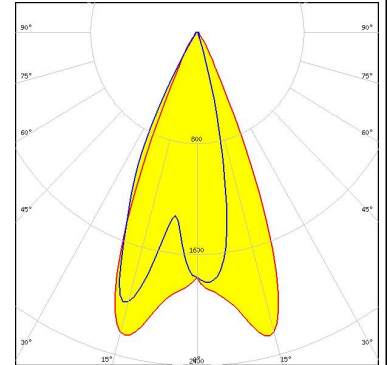


LED XP-G3  
FWHM / FWTM Asymmetric  
Efficiency 91 %  
Peak intensity 2.8 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass

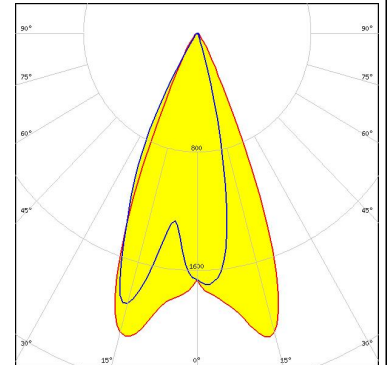


LED XP-L HD  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 2.7 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



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

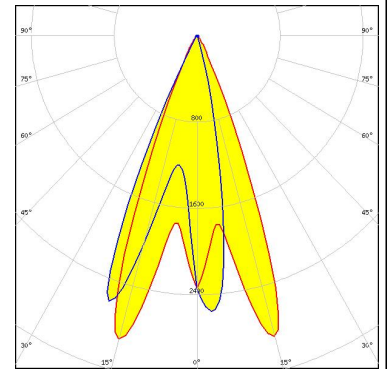
Protective plate, glass



#### OPTICAL RESULTS (SIMULATED):

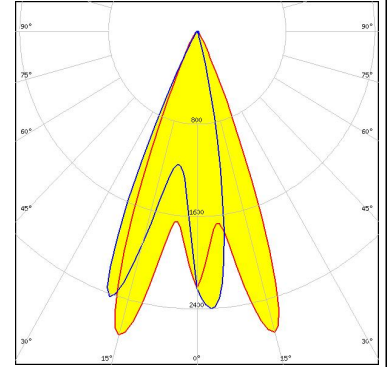


LED XP-L HI  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



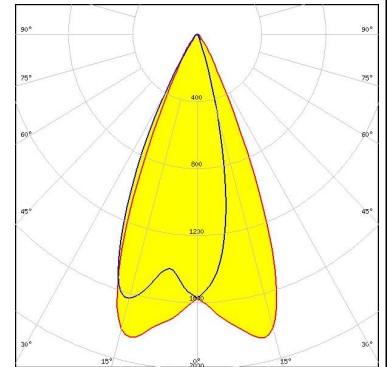
LED XP-L HI  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass

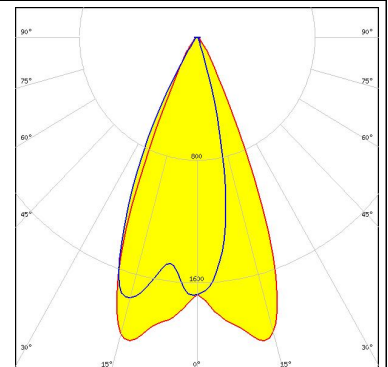


LED XP-L2  
FWHM / FWTM Asymmetric  
Efficiency 88 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass



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



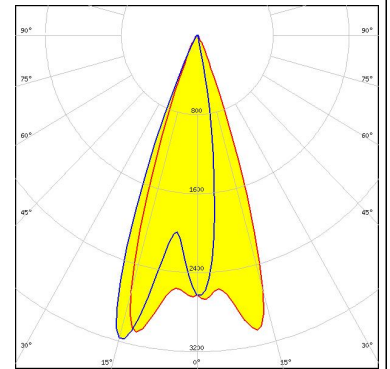


#### OPTICAL RESULTS (SIMULATED):

##### LUMILEDS

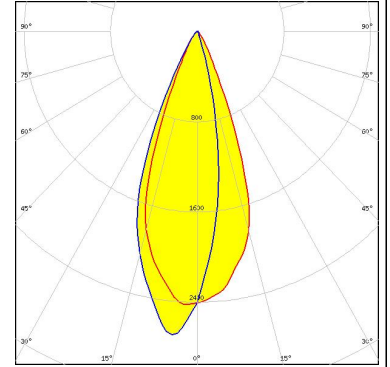
LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



##### LUMILEDS

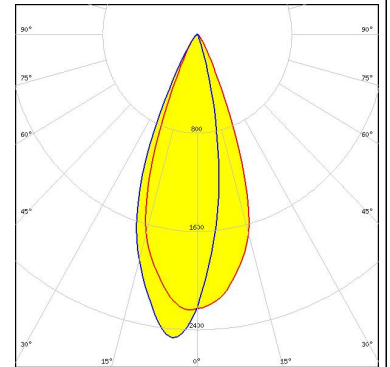
LED LUXEON 5050 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### 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:

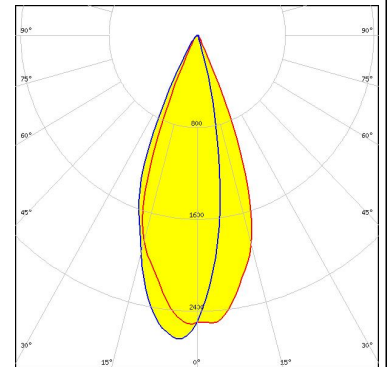
Protective plate, glass



##### 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

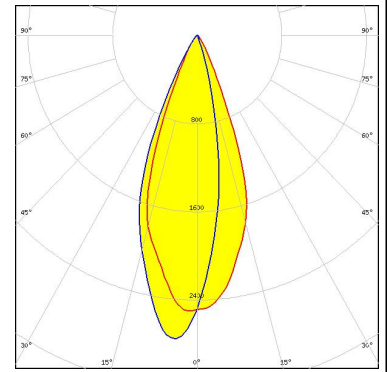




#### OPTICAL RESULTS (SIMULATED):

##### LUMILEDS

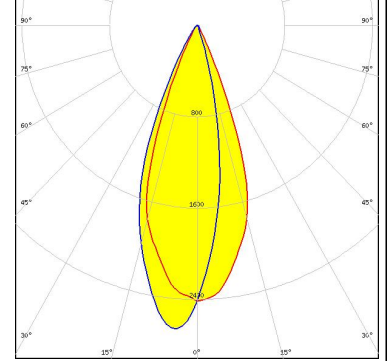
LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### LUMILEDS

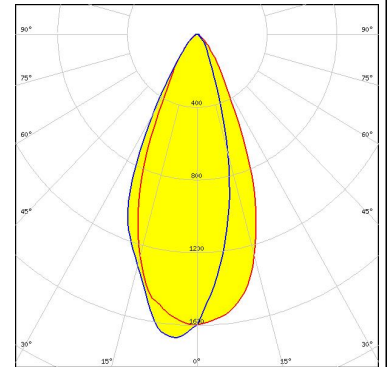
LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass



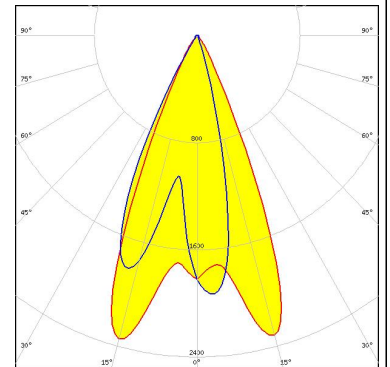
##### LUMILEDS

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

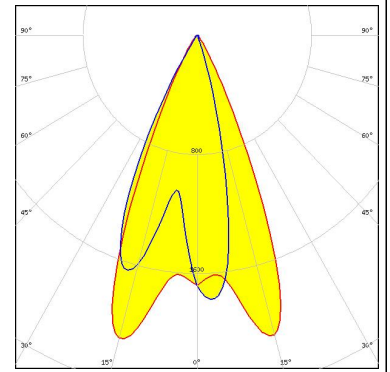


#### OPTICAL RESULTS (SIMULATED):

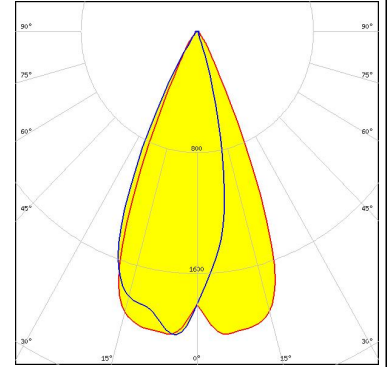


LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

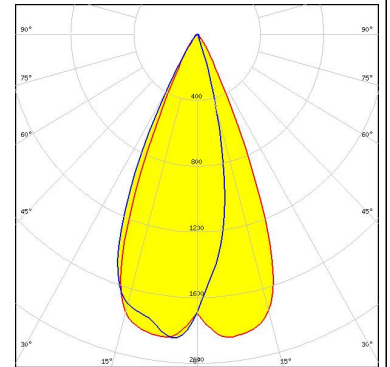


LED SST-70X-WCS  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



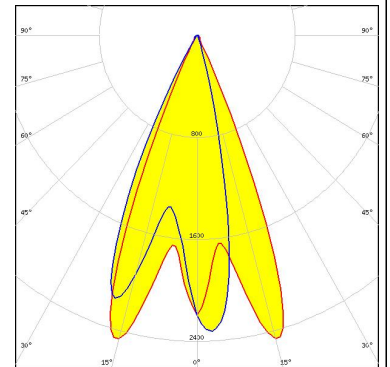
LED SST-70X-WCS  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

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

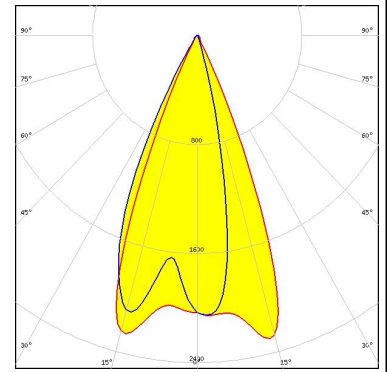


#### OPTICAL RESULTS (SIMULATED):



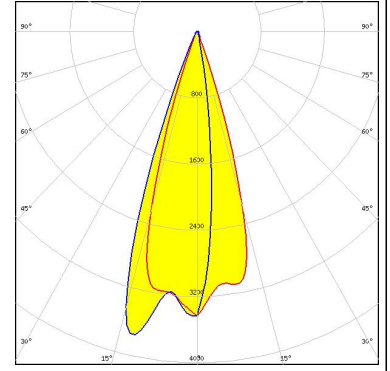
LED NVSW3x9A  
FWHM / FWTM Asymmetric  
Efficiency 91 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass



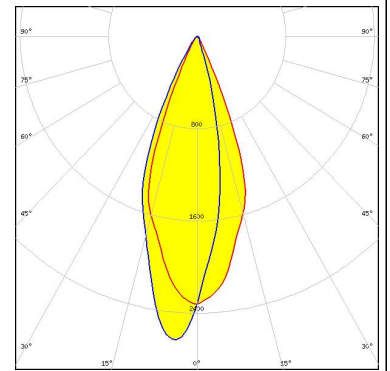
LED NVSxE21A  
FWHM / FWTM Asymmetric  
Efficiency 89 %  
Peak intensity 4.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass

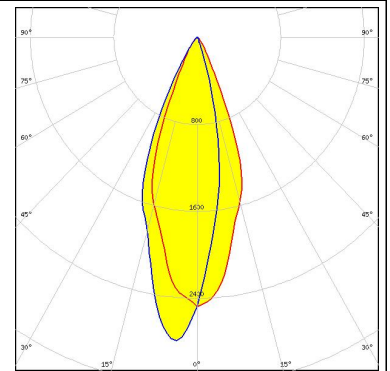


LED Duris S8  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

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:

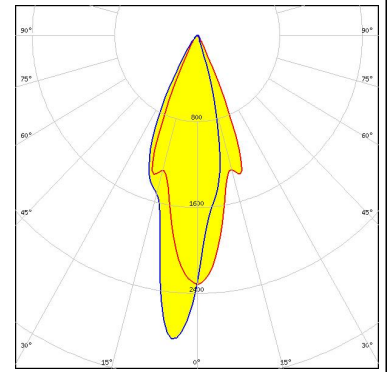


#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

Opto Semiconductors

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

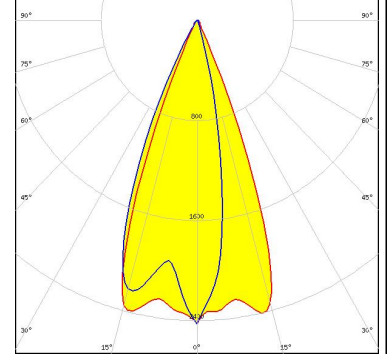


##### OSRAM

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:

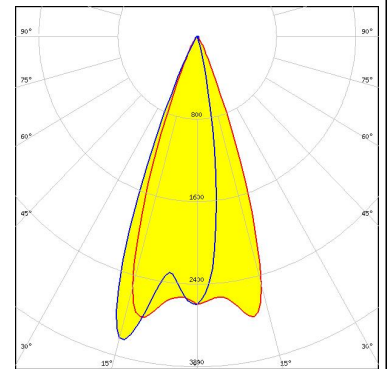
Protective plate, glass



##### 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:

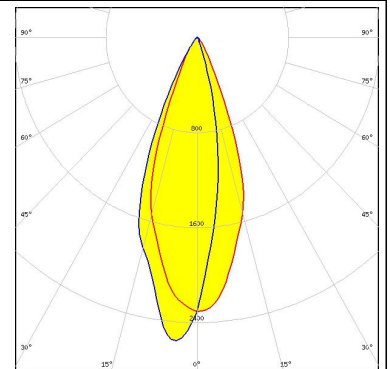


##### OSRAM

Opto Semiconductors

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

Protective plate, glass

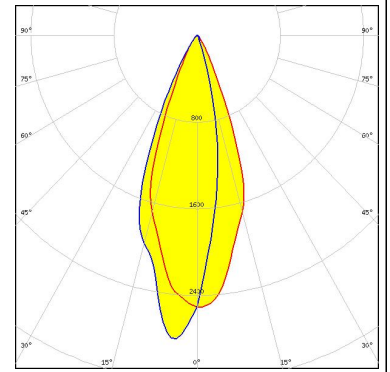


#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

Opto Semiconductors

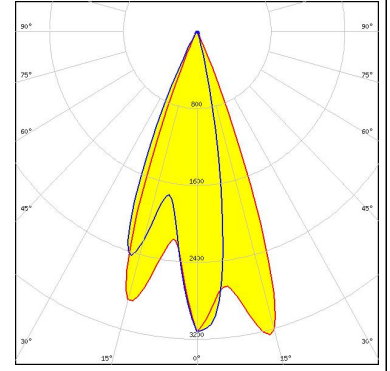
LED OSCONIQ S 5050  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

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

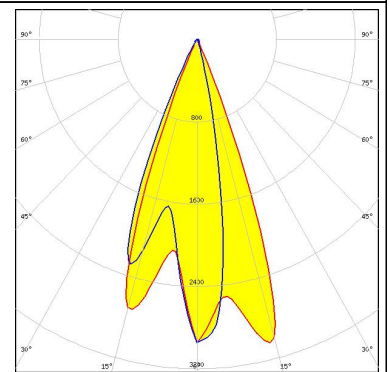


##### OSRAM

Opto Semiconductors

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

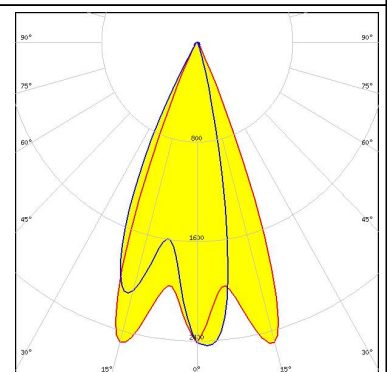
Protective plate, glass



##### 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

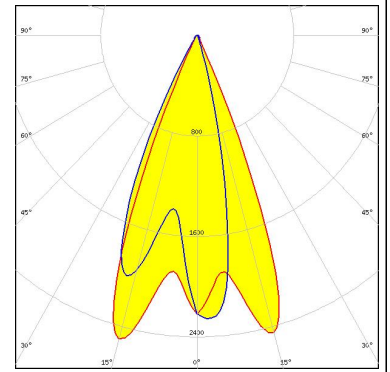


#### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

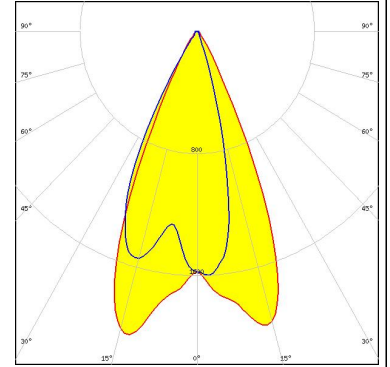
LED LH351C  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

Protective plate, glass



#### SAMSUNG

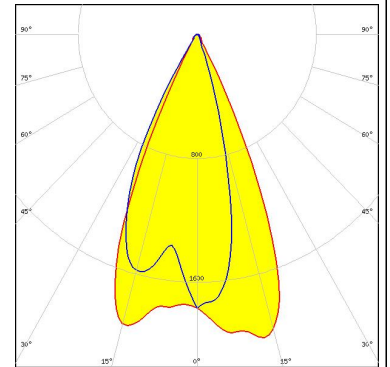
LED LH351D  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

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

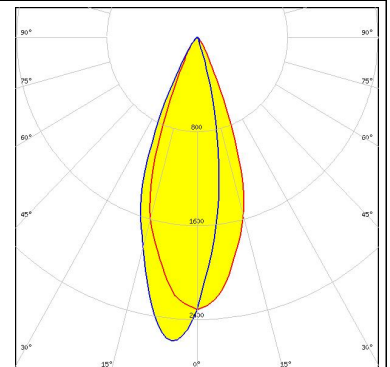
Protective plate, glass



#### SAMSUNG

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

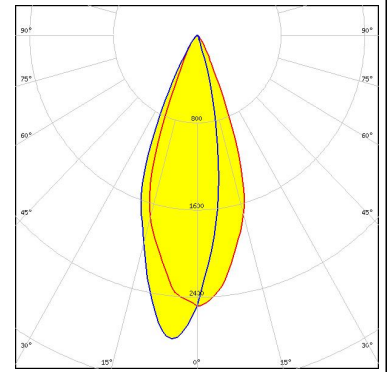
Protective plate, glass



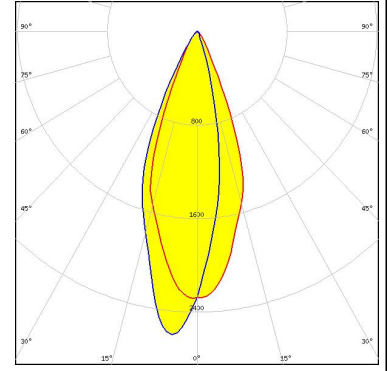
#### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

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



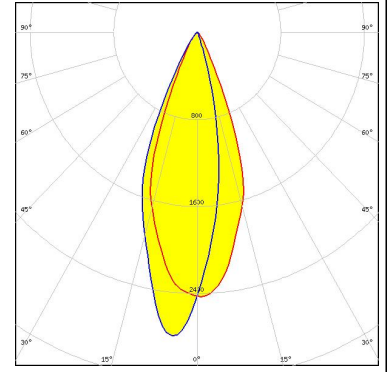
LED SEOUL DC 5050 6V  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



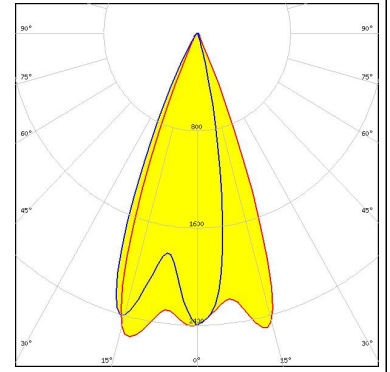
Protective plate, glass



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:



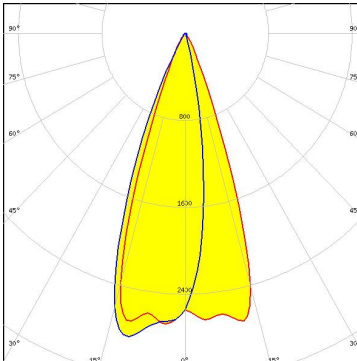
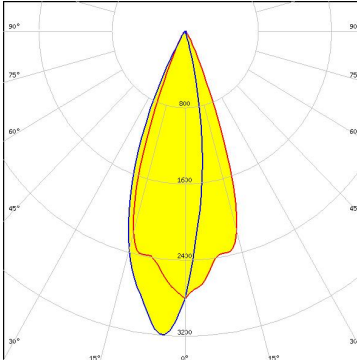
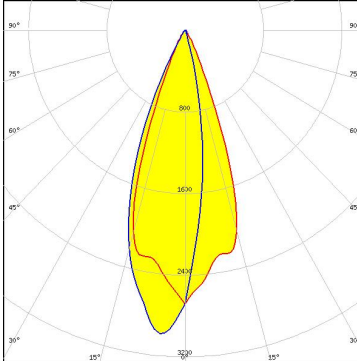
LED Z5M3  
FWHM / FWTM Asymmetric  
Efficiency 91 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



Protective plate, glass



#### OPTICAL RESULTS (SIMULATED):

<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z5M4</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 93 %</p> <p>Peak intensity 3.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z5M5</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 97 %</p> <p>Peak intensity 3.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z5M5</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 3 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.

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#### 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

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