

## AMBER-2X2-T1

Symmetric IESNA Type I (medium) beam for narrow roads and paths with long pole distance and tilted armature.

### SPECIFICATION:

Dimensions	50.0 x 50.0
Height	7.8 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

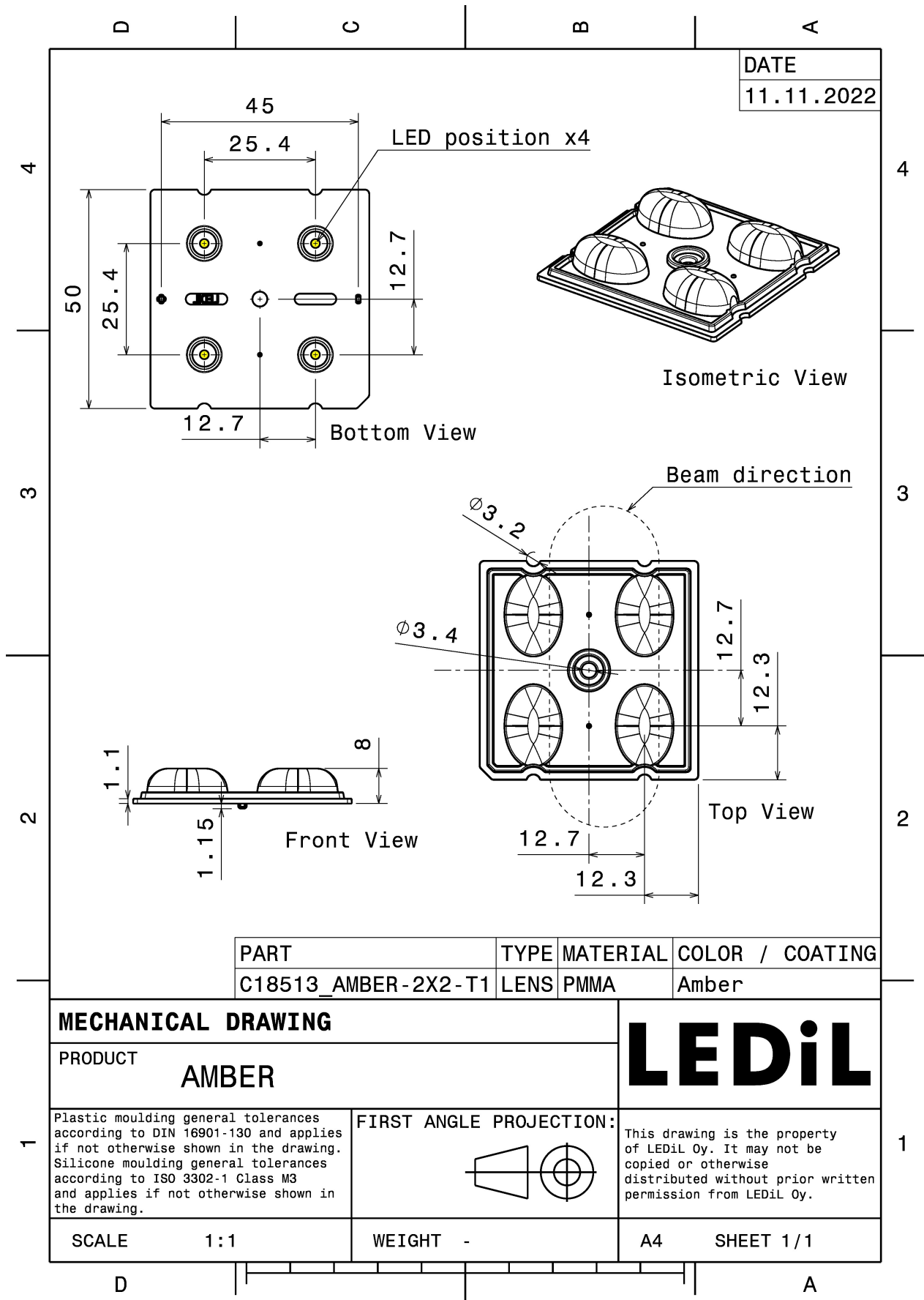


### MATERIALS:

Component	Type	Material	Colour	Finish	Length
AMBER-2X2-T1	Multi-lens	PMMA	amber		50.0

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18513_AMBER-2X2-T1 » Box size: 480 x 280 x 300 mm	800	160	160	6.8

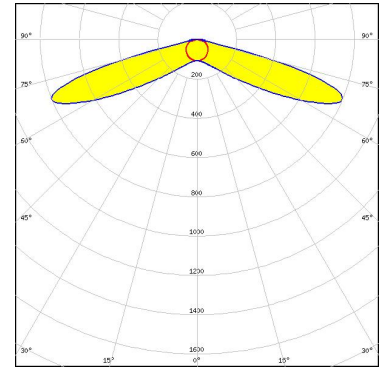


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

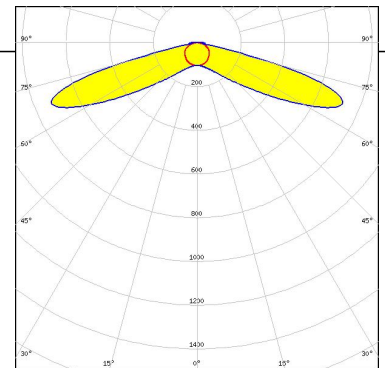
#### OPTICAL RESULTS (MEASURED):



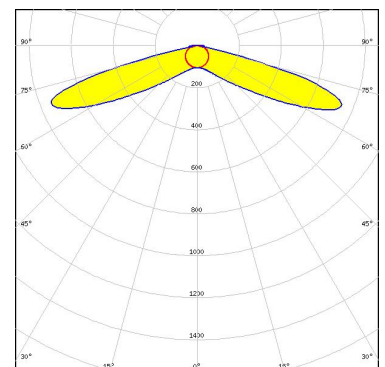
LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



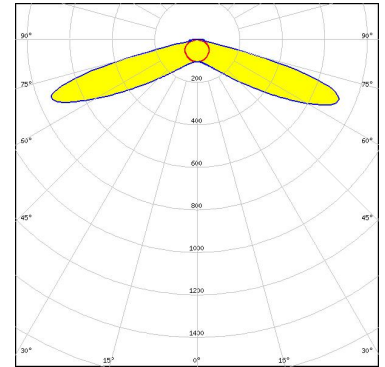
LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



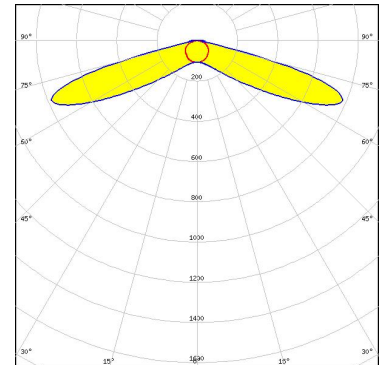
#### OPTICAL RESULTS (MEASURED):



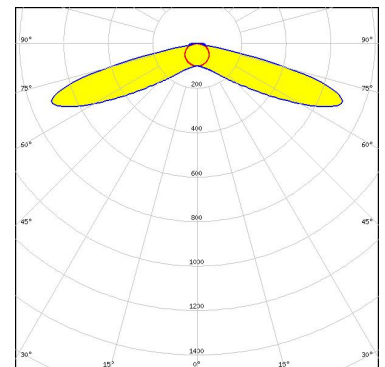
LED J Series 5050B 6V K Class  
FWHM / FWTM Asymmetric  
Efficiency 79 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED J Series 5050B 6V K Class  
FWHM / FWTM Asymmetric  
Efficiency 83 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



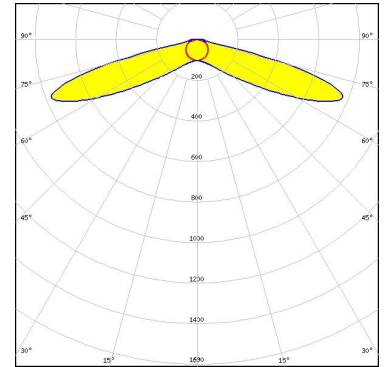
LED J Series 5050C 6V E Class  
FWHM / FWTM Asymmetric  
Efficiency 77 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



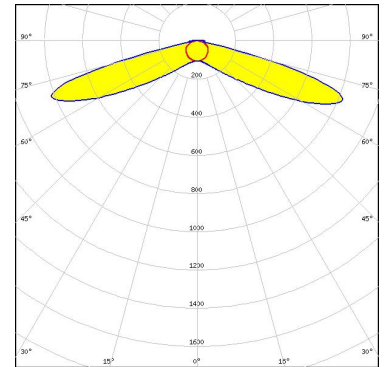
#### OPTICAL RESULTS (MEASURED):



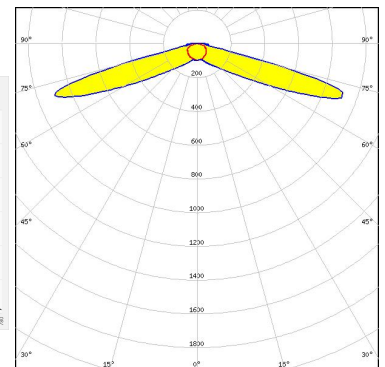
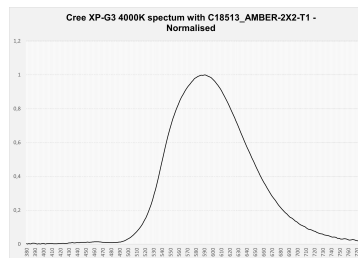
LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



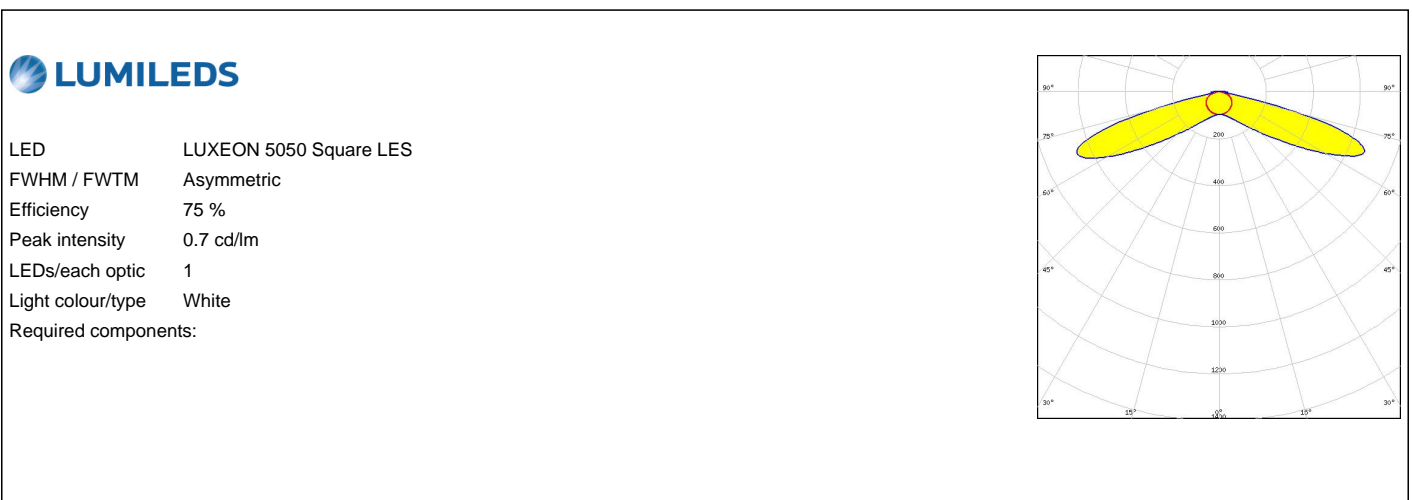
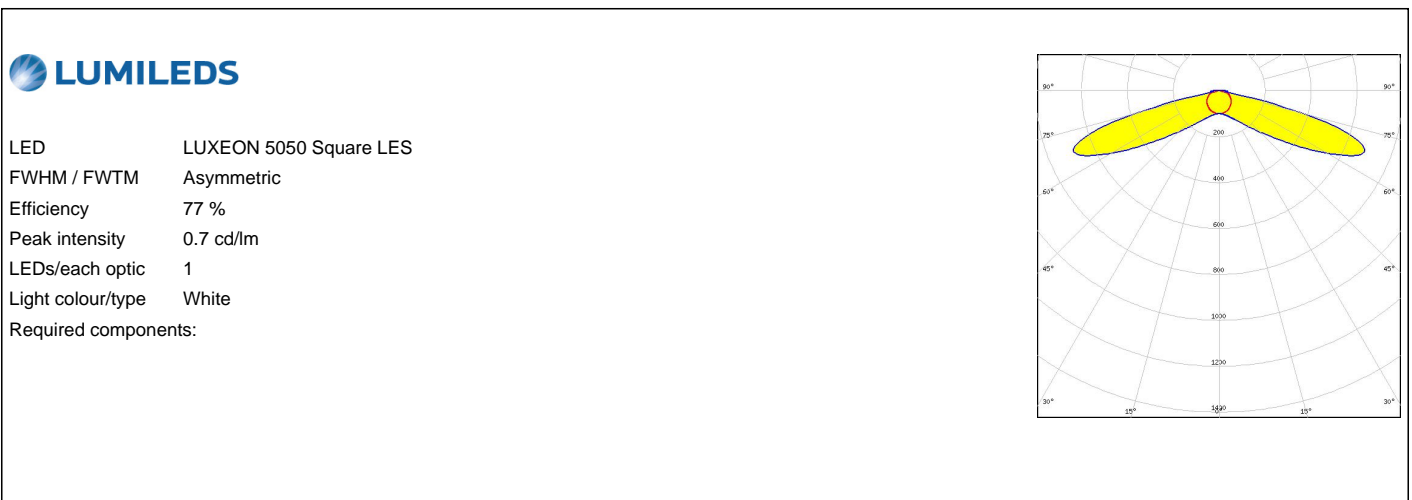
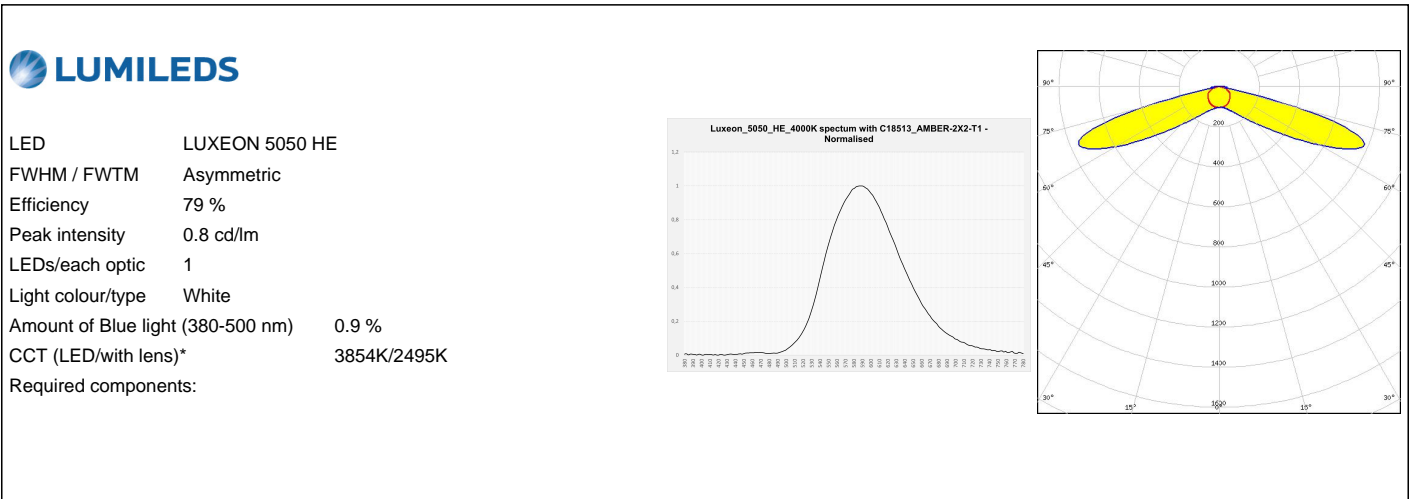
LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Amount of Blue light (380-500 nm) 0.9 %  
 CCT (LED/with lens)\* 3838K/2481K  
 Required components:



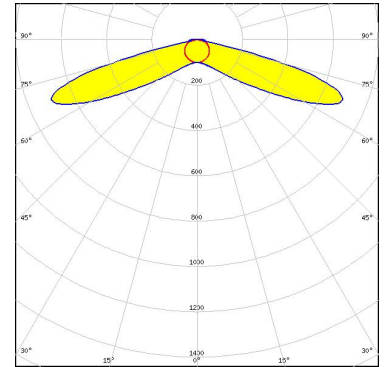
#### OPTICAL RESULTS (MEASURED):



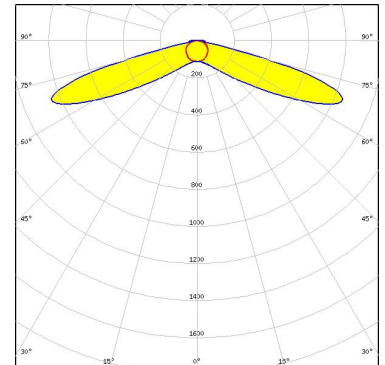
#### OPTICAL RESULTS (MEASURED):



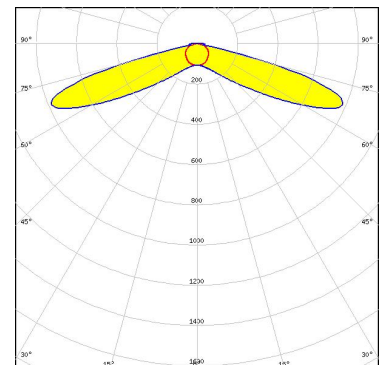
LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 77 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 86 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



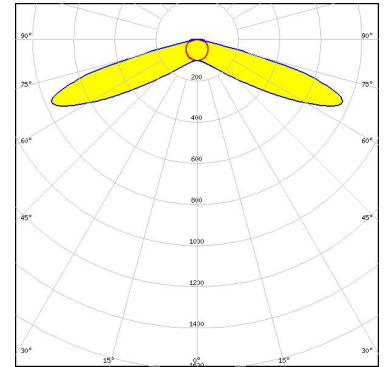
LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 83 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



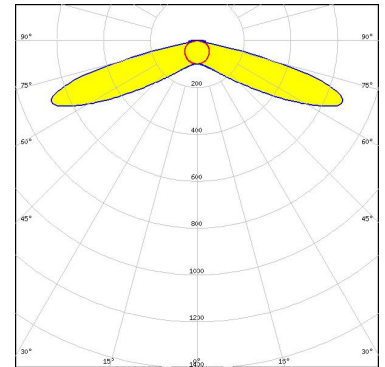
#### OPTICAL RESULTS (MEASURED):



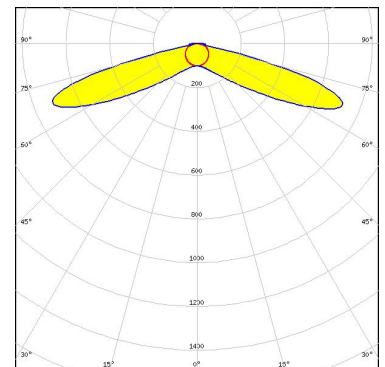
LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 80 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 76 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 78 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

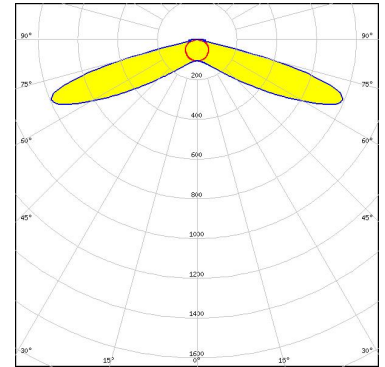




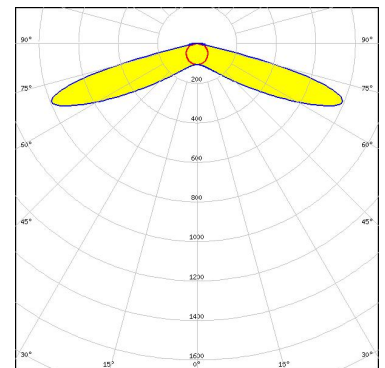
#### OPTICAL RESULTS (MEASURED):



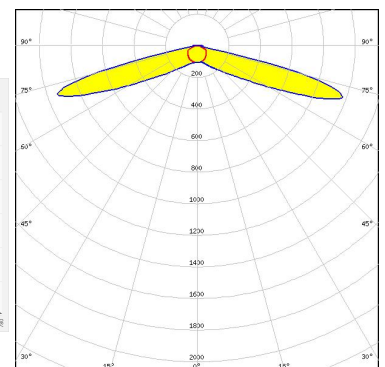
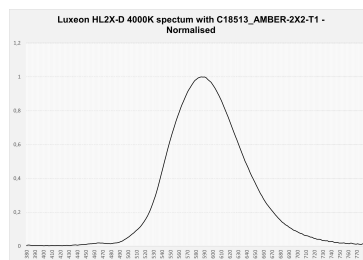
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



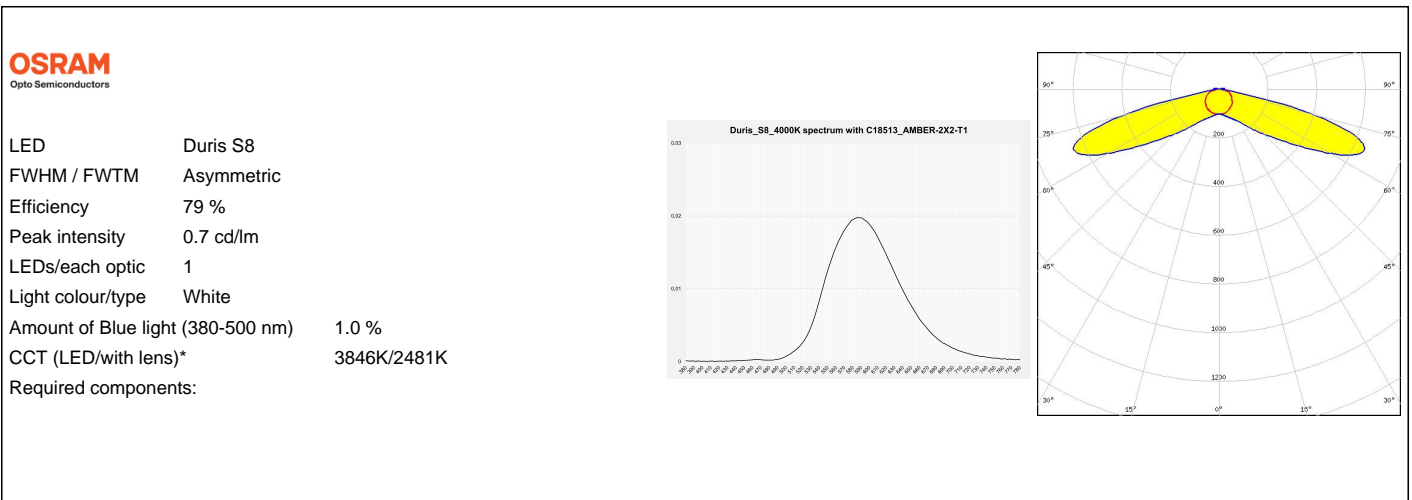
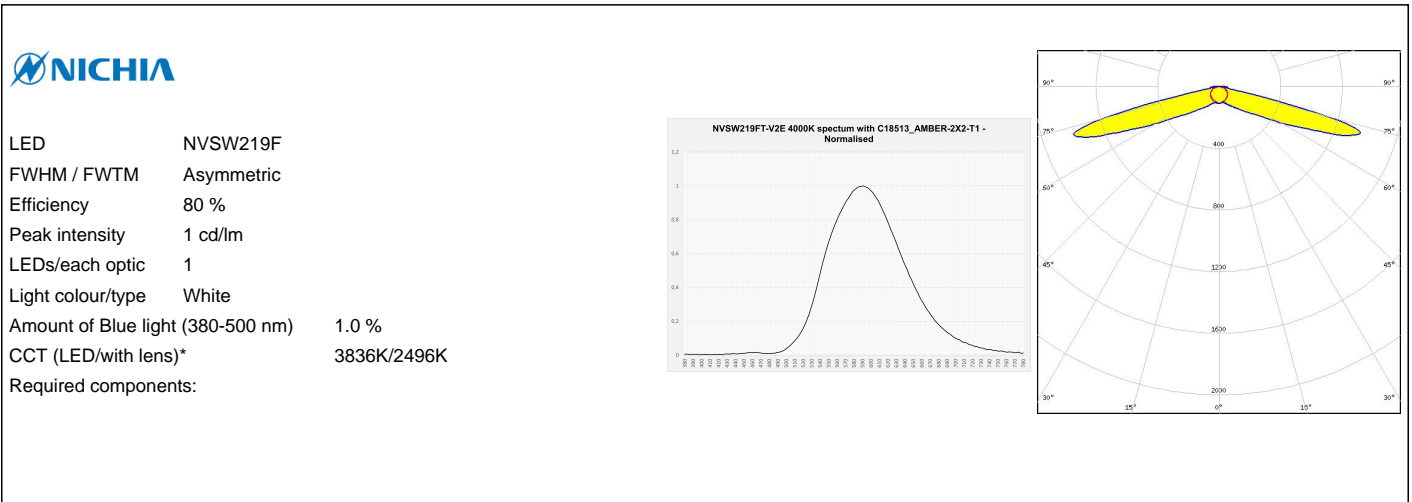
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



LED LUXEON HL2X-D  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Amount of Blue light (380-500 nm) 1.3 %  
 CCT (LED/with lens)\* 3902K/2521K  
 Required components:



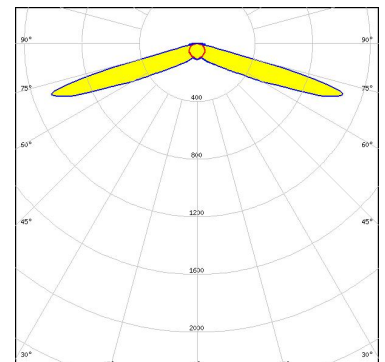
#### OPTICAL RESULTS (MEASURED):





**OSRAM**  
Opto Semiconductors

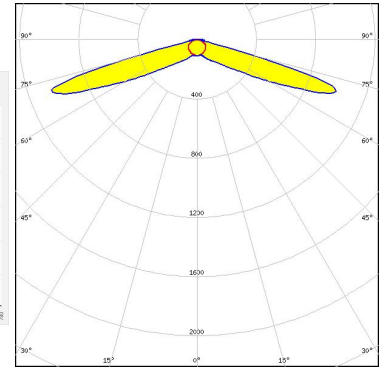
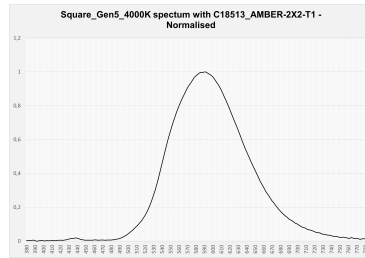
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



#### OPTICAL RESULTS (MEASURED):

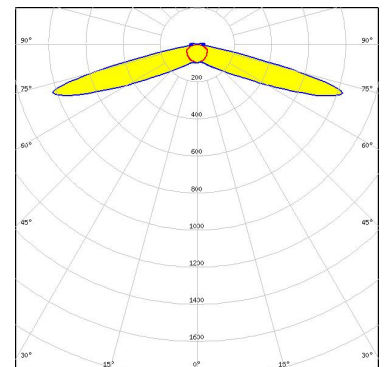
**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Amount of Blue light (380-500 nm) 1.0 %  
 CCT (LED/with lens)\* 3898K/2484K  
 Required components:



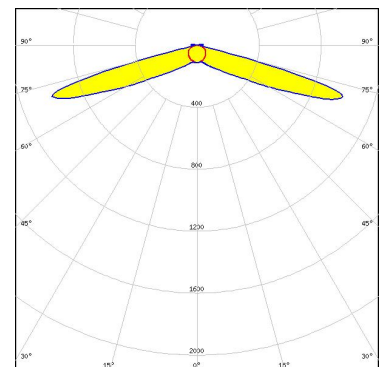
**PHILIPS**

LED Fortimo FastFlex LED 2x8 DA G4+  
 FWHM / FWTM Asymmetric  
 Efficiency 75 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



**PHILIPS**

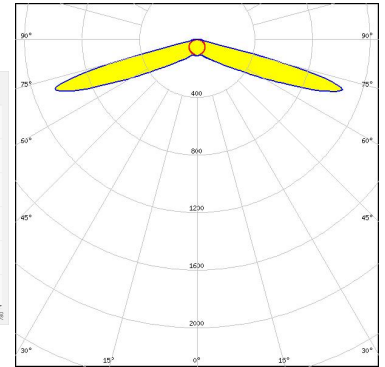
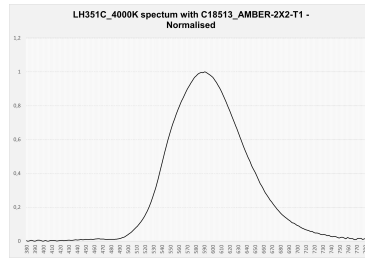
LED Fortimo FastFlex LED 2x8 DA G5  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



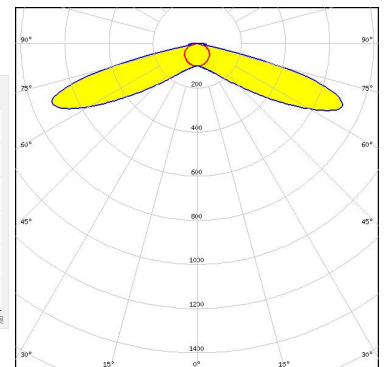
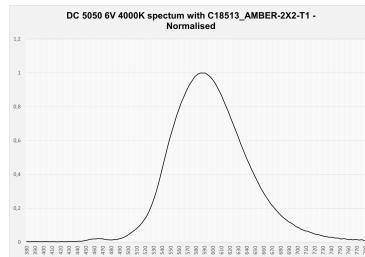
#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

**LED** LH351C  
**FWHM / FWTM** Asymmetric  
**Efficiency** 80 %  
**Peak intensity** 1.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Amount of Blue light (380-500 nm)** 0.9 %  
**CCT (LED/with lens)\*** 3773K/2492K  
**Required components:**



**LED** SEOUL DC 5050 6V  
**FWHM / FWTM** Asymmetric  
**Efficiency** 79 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Amount of Blue light (380-500 nm)** 1.2 %  
**CCT (LED/with lens)\*** 3995K/2479K  
**Required components:**



#### 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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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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