

## AMBER-2X2-T2

IESNA Type II (medium) beam applicable for European P-class standard pedestrian lighting and M-class roads.

## SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	7.7 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ

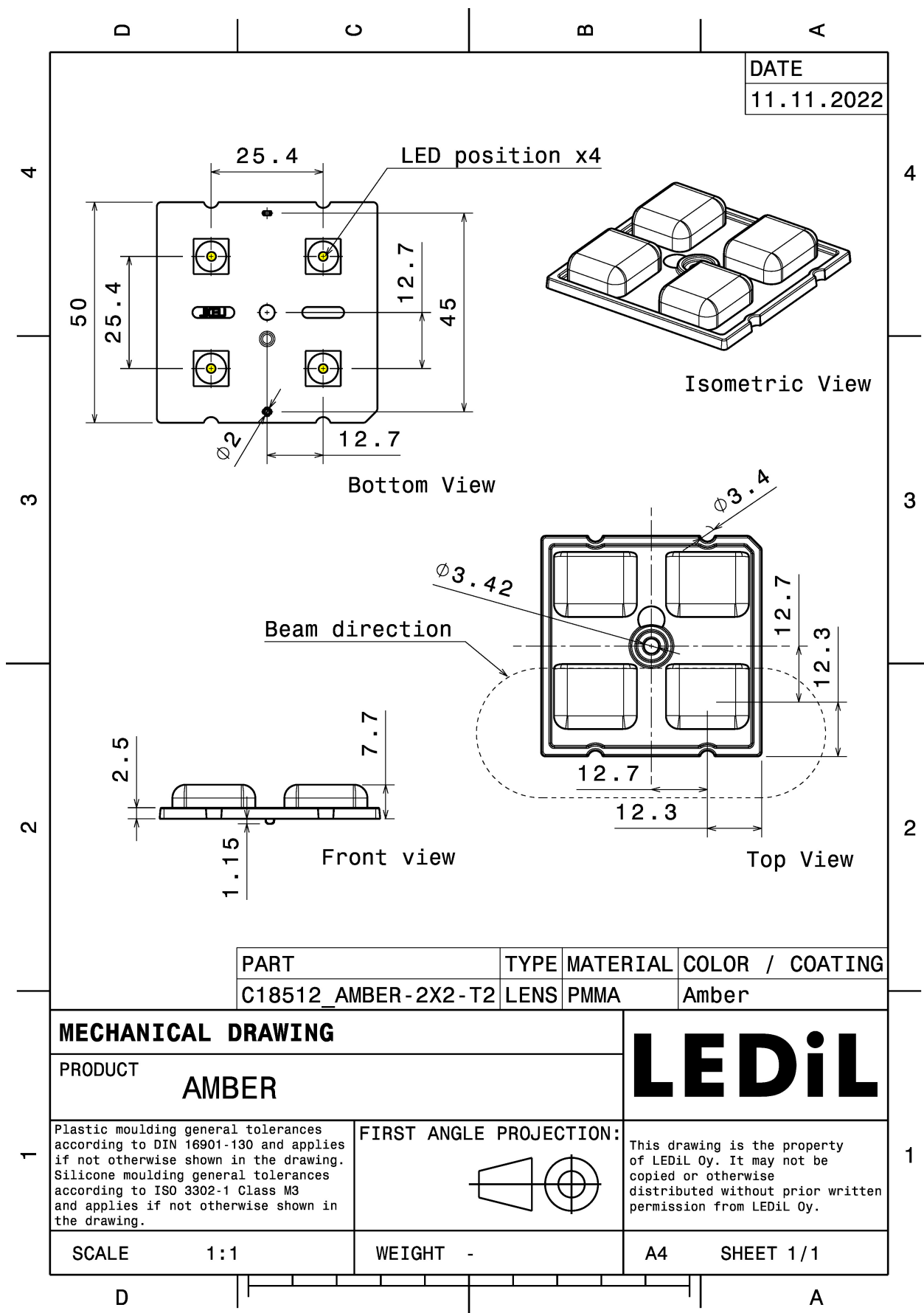


## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMBER-2X2-T2	Multi-lens	PMMA	amber		

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18512_AMBER-2X2-T2	800	160	160	8.2
» Box size: 480 x 280 x 300 mm				

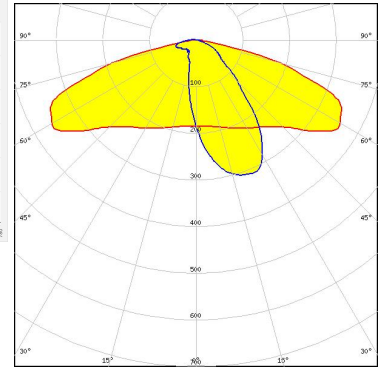
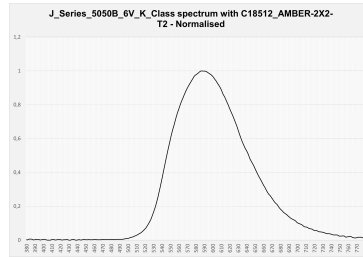


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



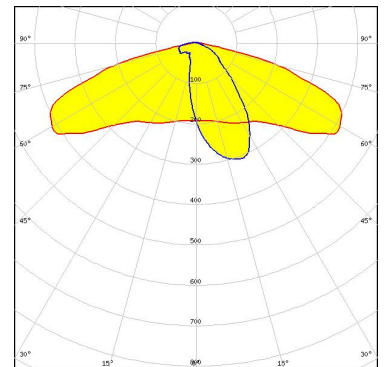
LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Amount of Blue light (380-500 nm) 0.4 %  
 CCT (LED/with lens)\* 3763K/2301K  
 Required components:



\*the measured CCT with lens doesn't follow the Black Body Locus line



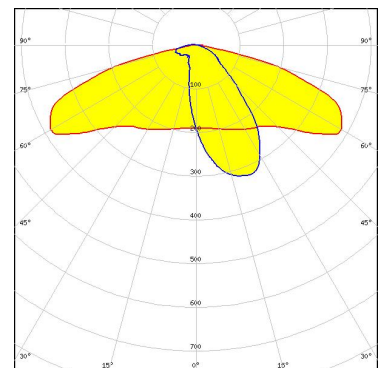
LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

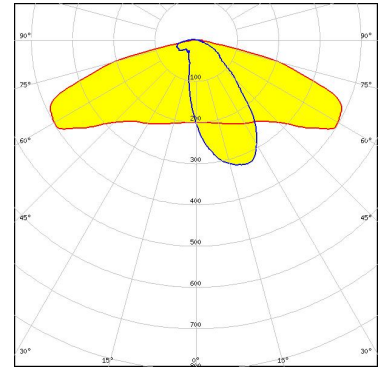


Light distribution files

#### OPTICAL RESULTS (MEASURED):



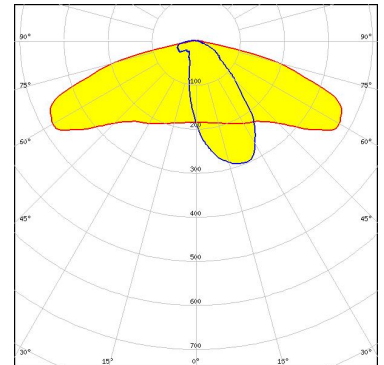
LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



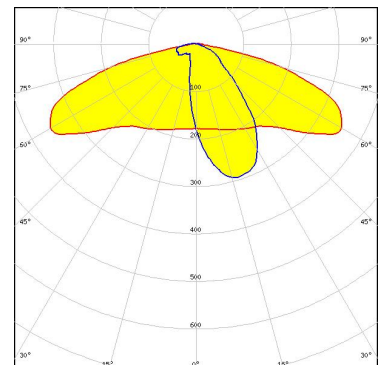
LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 75 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 72 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



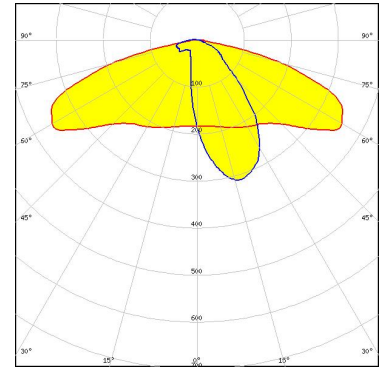
Light distribution files



#### OPTICAL RESULTS (MEASURED):



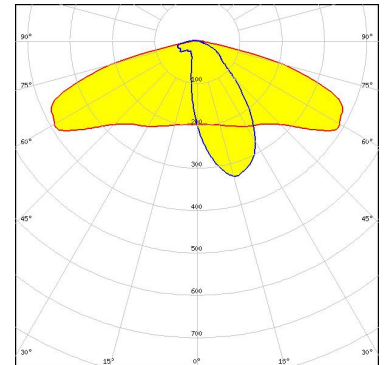
LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 75 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



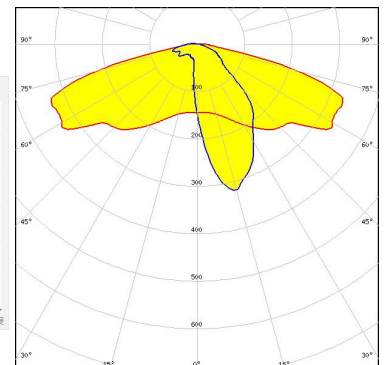
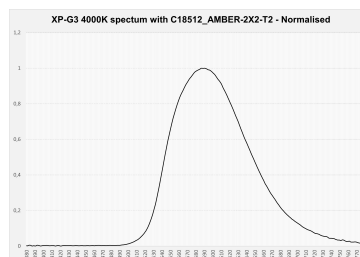
LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Amount of Blue light (380-500 nm) 0.4 %  
 CCT (LED/with lens)\* 3838K/2345K  
 Required components:

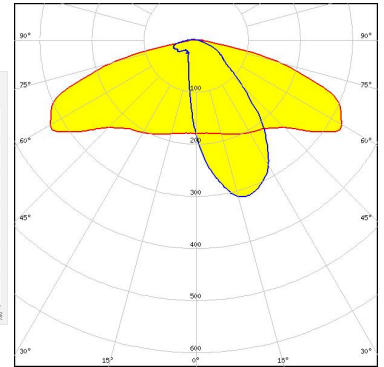
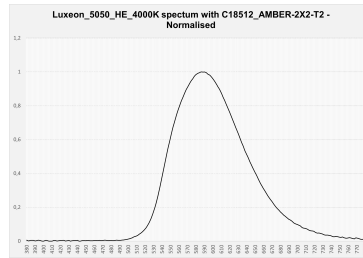


Light distribution files

#### OPTICAL RESULTS (MEASURED):



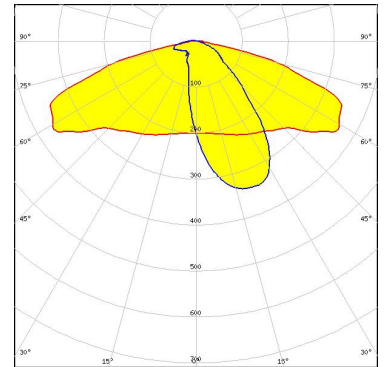
LED	LUXEON 5050 HE
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.4 %
CCT (LED/with lens)*	3854K/2342K
Required components:	



Light distribution files



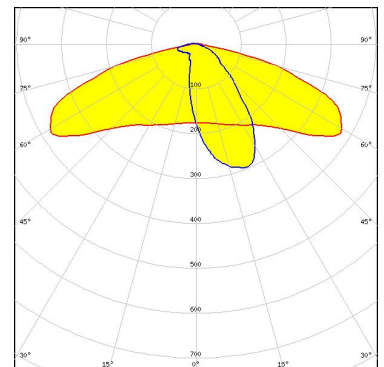
LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

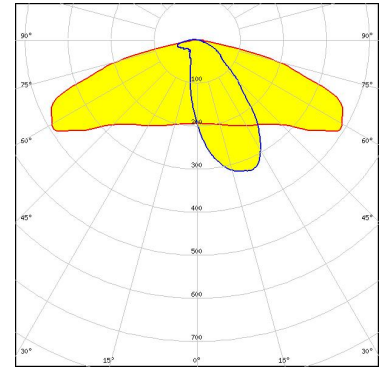


Light distribution files

#### OPTICAL RESULTS (MEASURED):



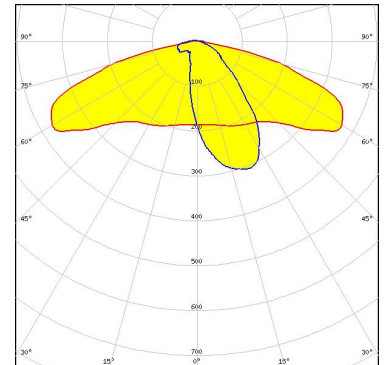
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



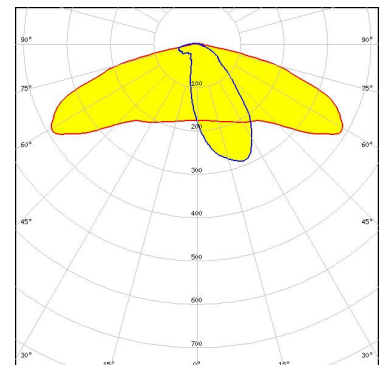
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 71 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

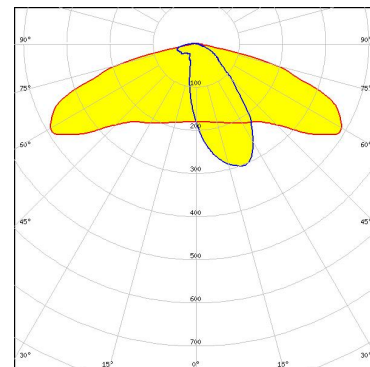


Light distribution files

#### OPTICAL RESULTS (MEASURED):



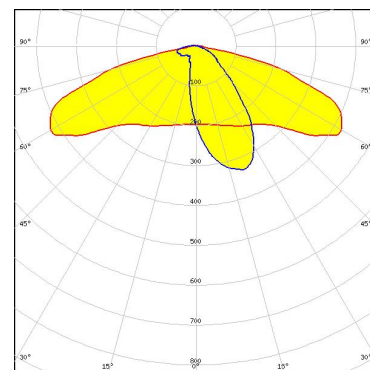
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



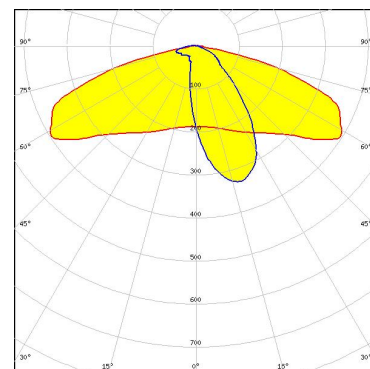
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

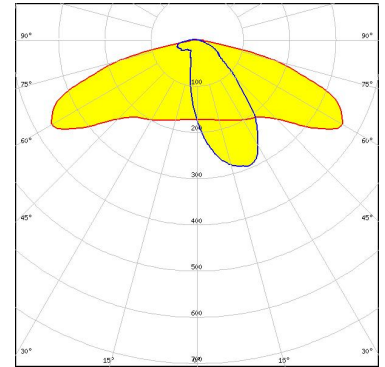


Light distribution files

#### OPTICAL RESULTS (MEASURED):



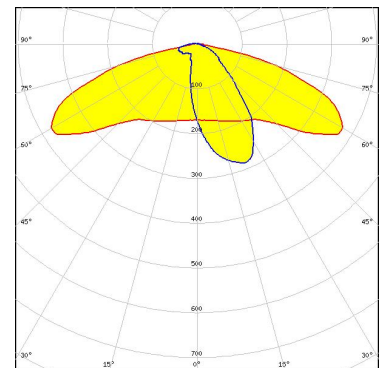
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 72 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



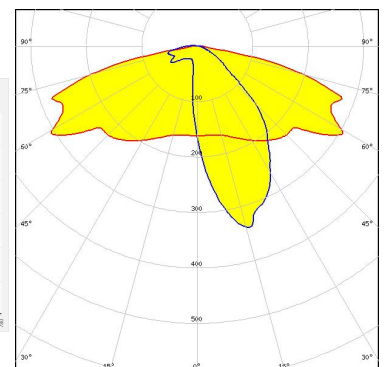
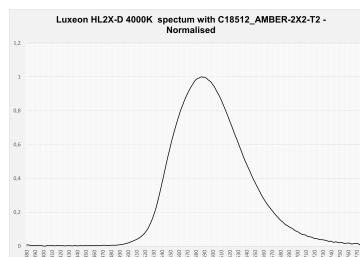
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 70 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON HL2X-D  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Amount of Blue light (380-500 nm) 0.5 %  
 CCT (LED/with lens)\* 3902K/2361K  
 Required components:

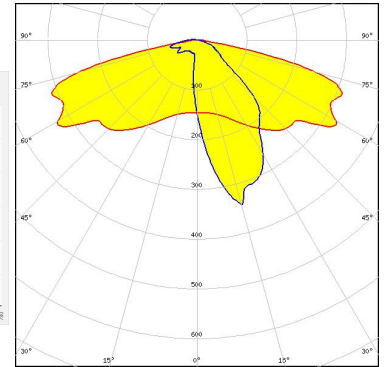
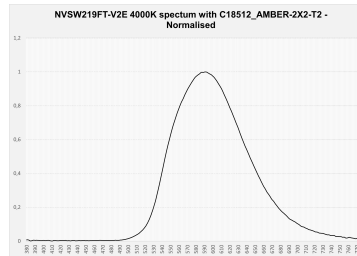


Light distribution files

#### OPTICAL RESULTS (MEASURED):



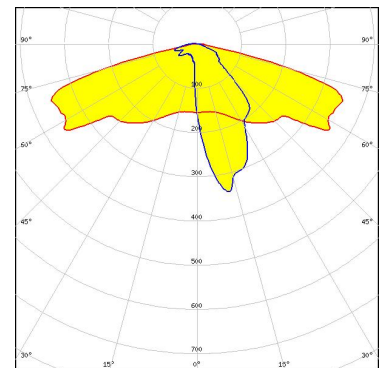
LED	NVSW219F
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.5 %
CCT (LED/with lens)*	3836K/2344K
Required components:	



Light distribution files



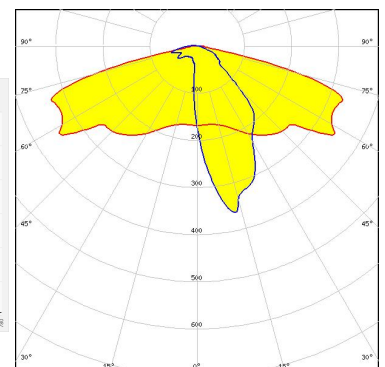
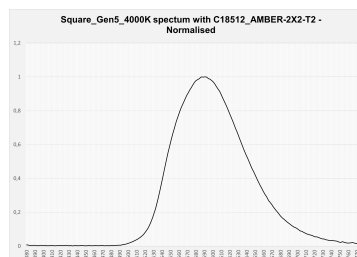
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.5 %
CCT (LED/with lens)*	3898K/2330K
Required components:	

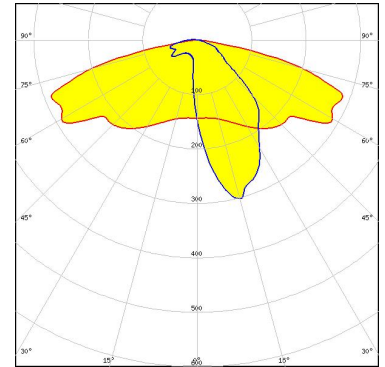


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### PHILIPS

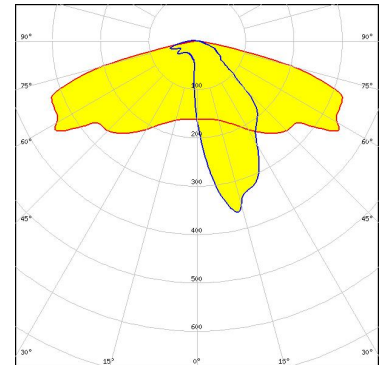
LED	Fortimo FastFlex LED 2x8 DA G4+
FWHM / FWTM	Asymmetric
Efficiency	71 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

#### PHILIPS

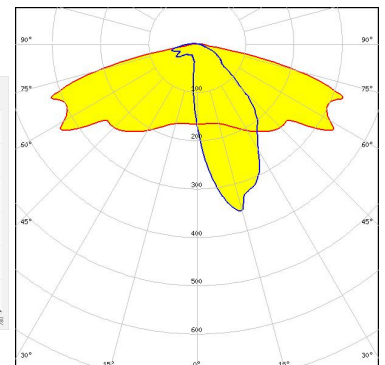
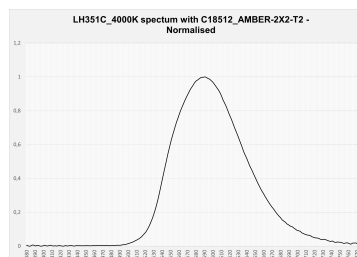
LED	Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

#### SAMSUNG

LED	LH351C
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.4 %
CCT (LED/with lens)*	3773K/2333K
Required components:	



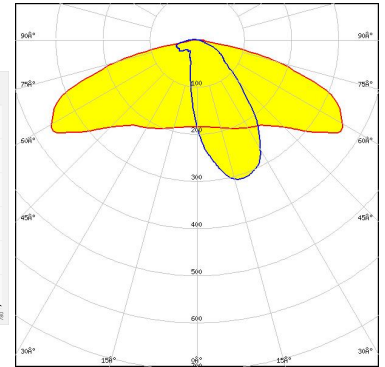
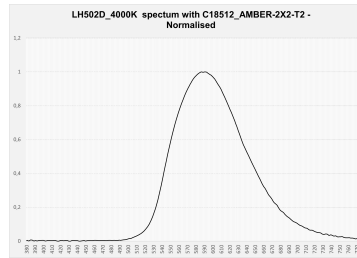
Light distribution files



#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

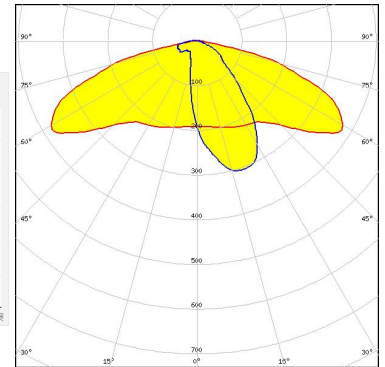
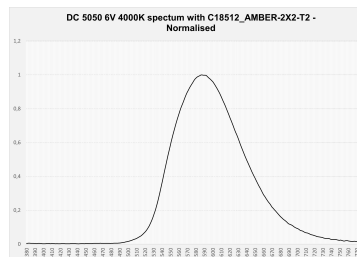
LED	LH502D
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.4 %
CCT (LED/with lens)*	3785K/2282K
Required components:	



Light distribution files



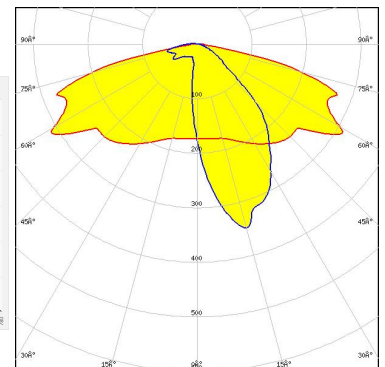
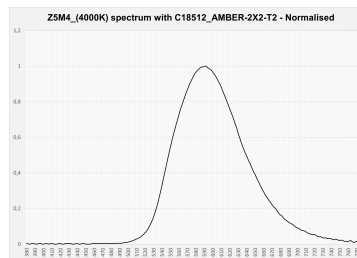
LED	SEOUL DC 5050 6V
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.5 %
CCT (LED/with lens)*	3995K/2329K
Required components:	



Light distribution files



LED	Z5M4
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.3 %
CCT (LED/with lens)*	3561K/2260K
Required components:	



Light distribution files

### 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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P.R.CHINA

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