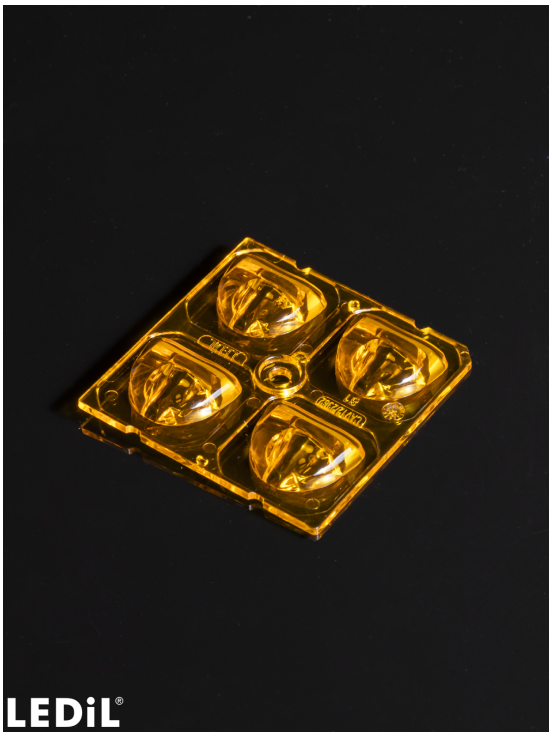
AMBER-2X2-DWC

Universal road lighting beam with excellent mixed illuminance and luminance uniformity. Typically IESNA Type III (medium).



SPECIFICATION:

Dimensions	50.0 x 50.0
Height	6 mm
Fastening	glue, pin, screw
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMBER-2X2-DWC	Multi-lens	PMMA	amber		
» Box size: 480 x 280 x 300 mm					

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
C19004_AMBER-2X2-DWC	Multi-lens	800	160	160	5.7

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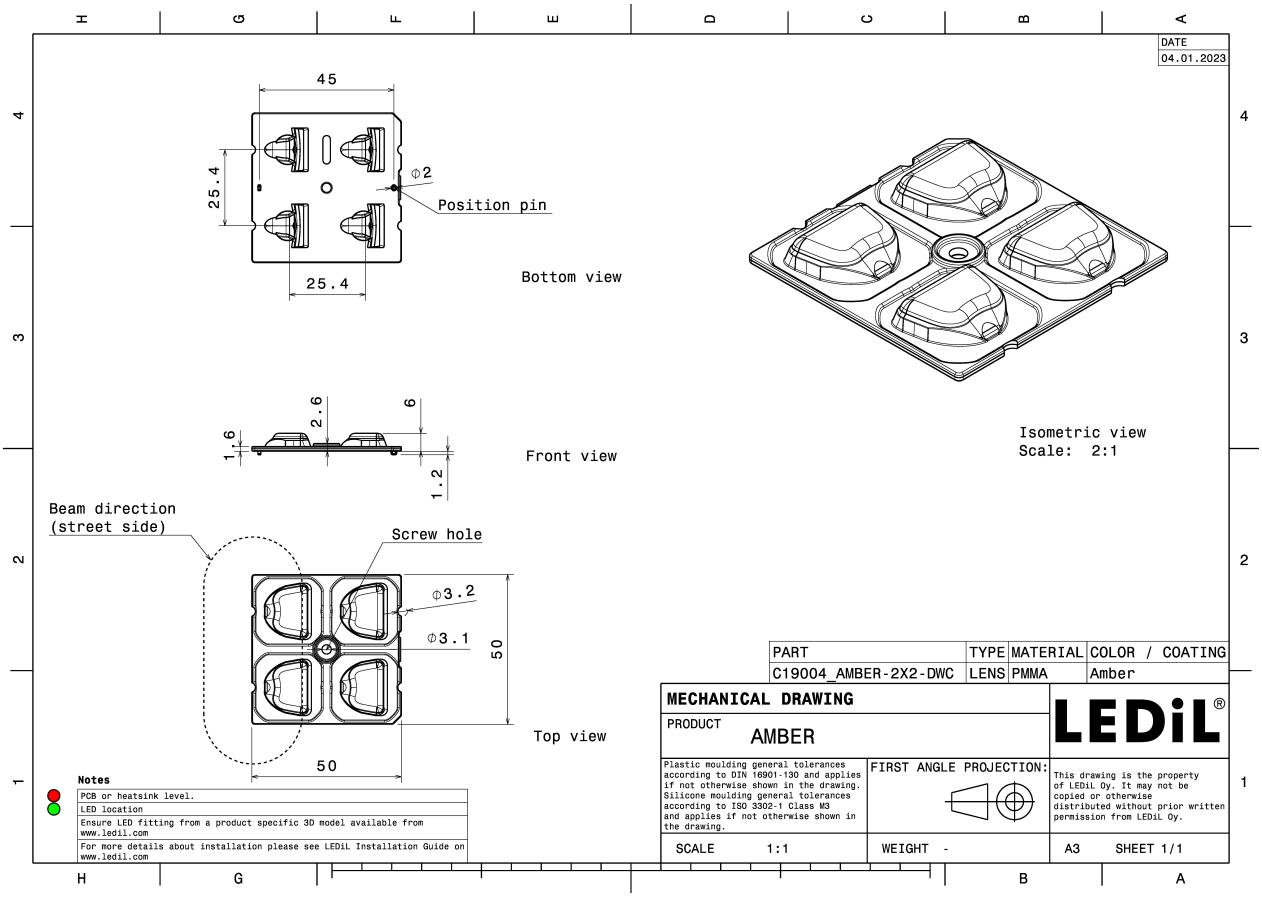

See also our general installation guide: www.ledil.com/installation_guide

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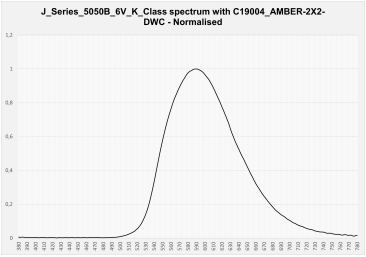
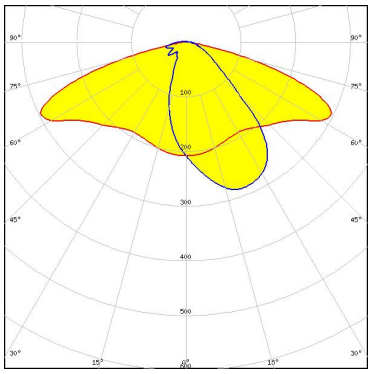
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	J Series 5050B 6V K Class
FWHM / FWTM	Asymmetric
Efficiency	74 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.4 %
CCT (LED/with lens)*	3763K/2251K
Required components:	

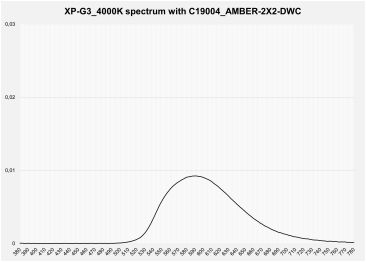


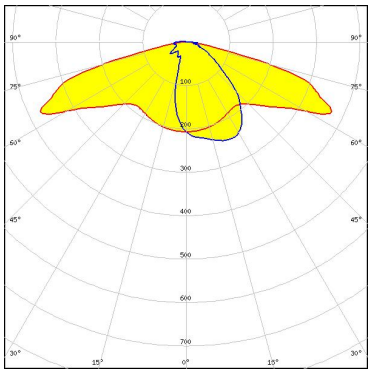


*the measured CCT with lens doesn't follow the Black Body Locus line

CREE LEDs

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.3 %
CCT (LED/with lens)*	3844K/2282K
Required components:	

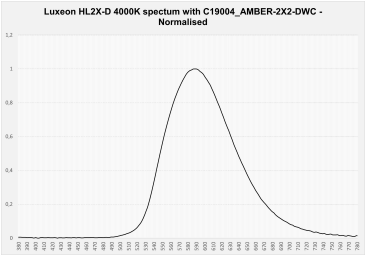


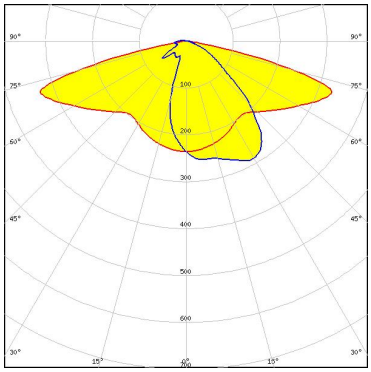


Light distribution files

LUMILEDS

LED	LUXEON HL2X-D
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.4 %
CCT (LED/with lens)*	3900K/2296K
Required components:	





Light distribution files

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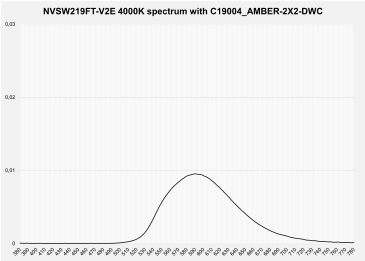
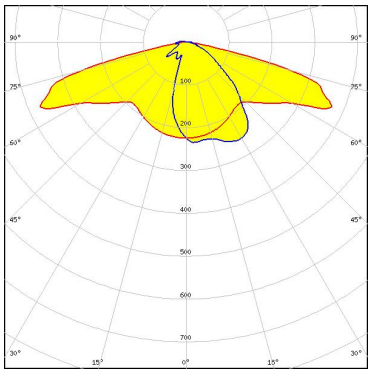
OPTICAL RESULTS (MEASURED):

NICHIA

LED	NVSW219F-V2
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.4 %
CCT (LED/with lens)*	3832K/2275K
Required components:	

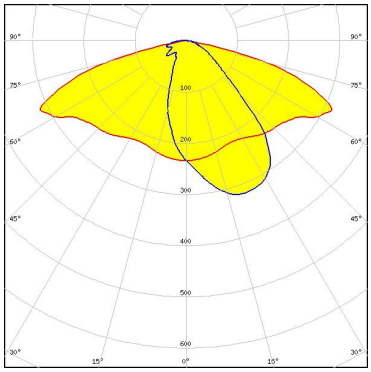




Light distribution files

OSRAM
Opto Semiconductors

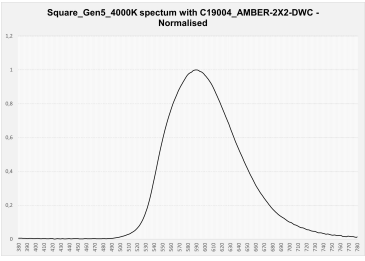
LED	Duris S8
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

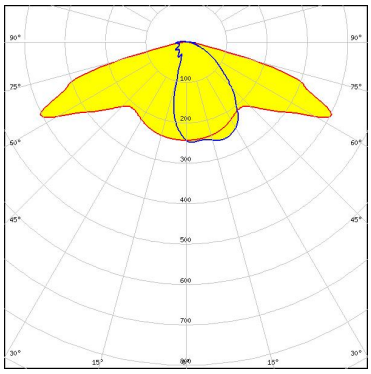


Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	73 %
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)*	3898K/2274K
Required components:	





Light distribution files

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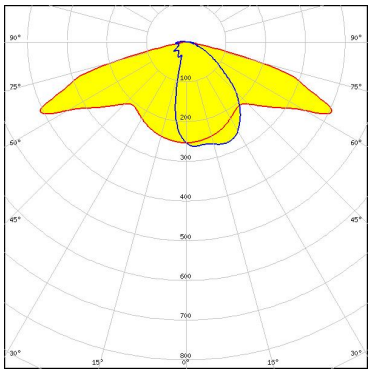
OPTICAL RESULTS (MEASURED):

PHILIPS

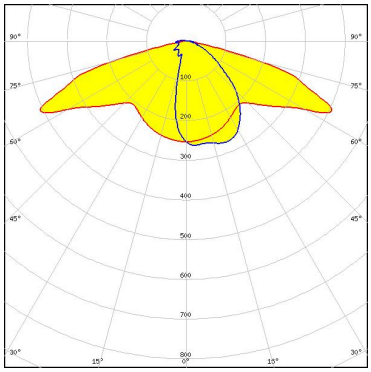
LED	Fortimo FastFlex LED 2x8 DA G4+
FWHM / FWTM	Asymmetric
Efficiency	68 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

PHILIPS

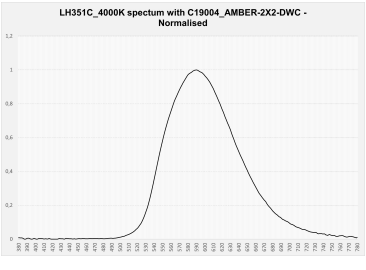
LED	Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

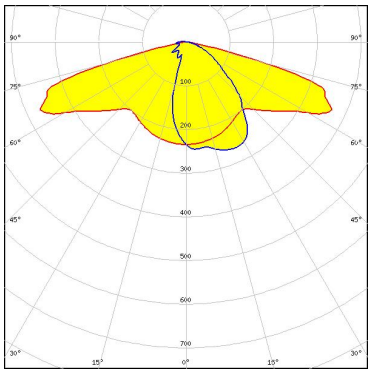


Light distribution files

SAMSUNG

LED	LH351C
FWHM / FWTM	Asymmetric
Efficiency	73 %
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)*	3773K/2277K
Required components:	





Light distribution files

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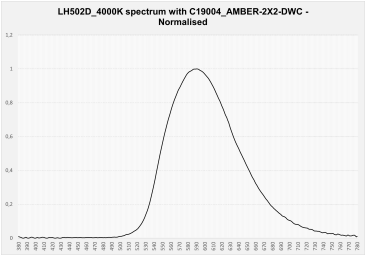
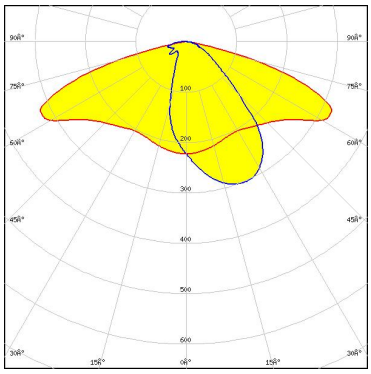
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LH502D
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.4 %
CCT (LED/with lens)*	3785K/2233K
Required components:	

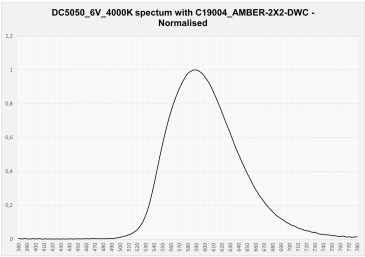


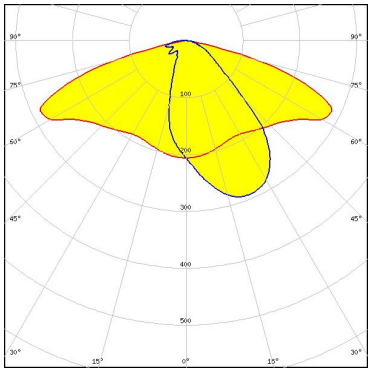


Light distribution files

SEOUL SEMICONDUCTOR

LED	SEOUL DC 5050 6V
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.5 %
CCT (LED/with lens)*	3988K/2270K
Required components:	

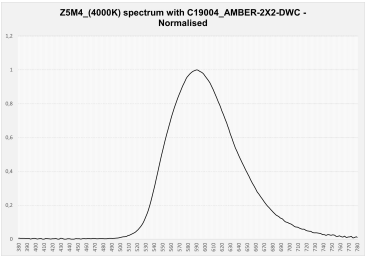


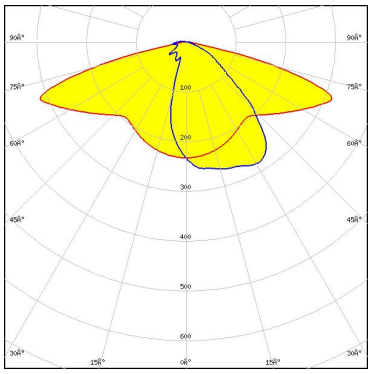


Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	Asymmetric
Efficiency	74 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Amount of Blue light (380-500 nm)	0.4 %
CCT (LED/with lens)*	3561K/2205K
Required components:	





Light distribution files

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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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