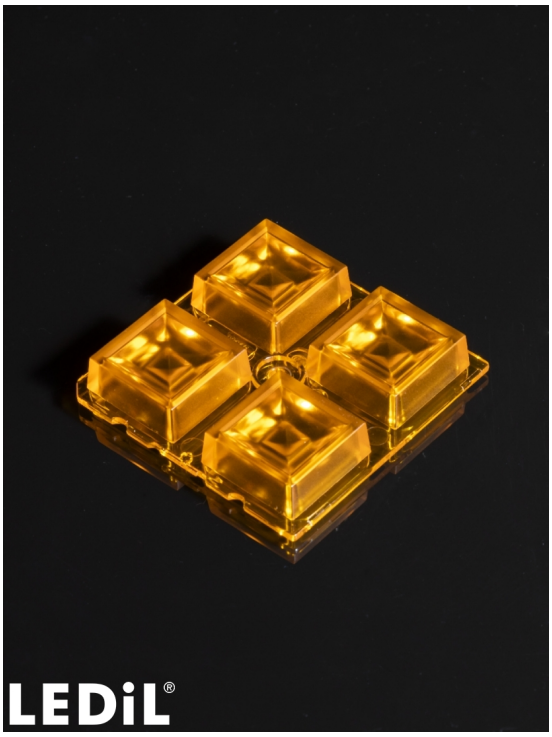
AMBER-2X2-W

~50° wide beam



SPECIFICATION:

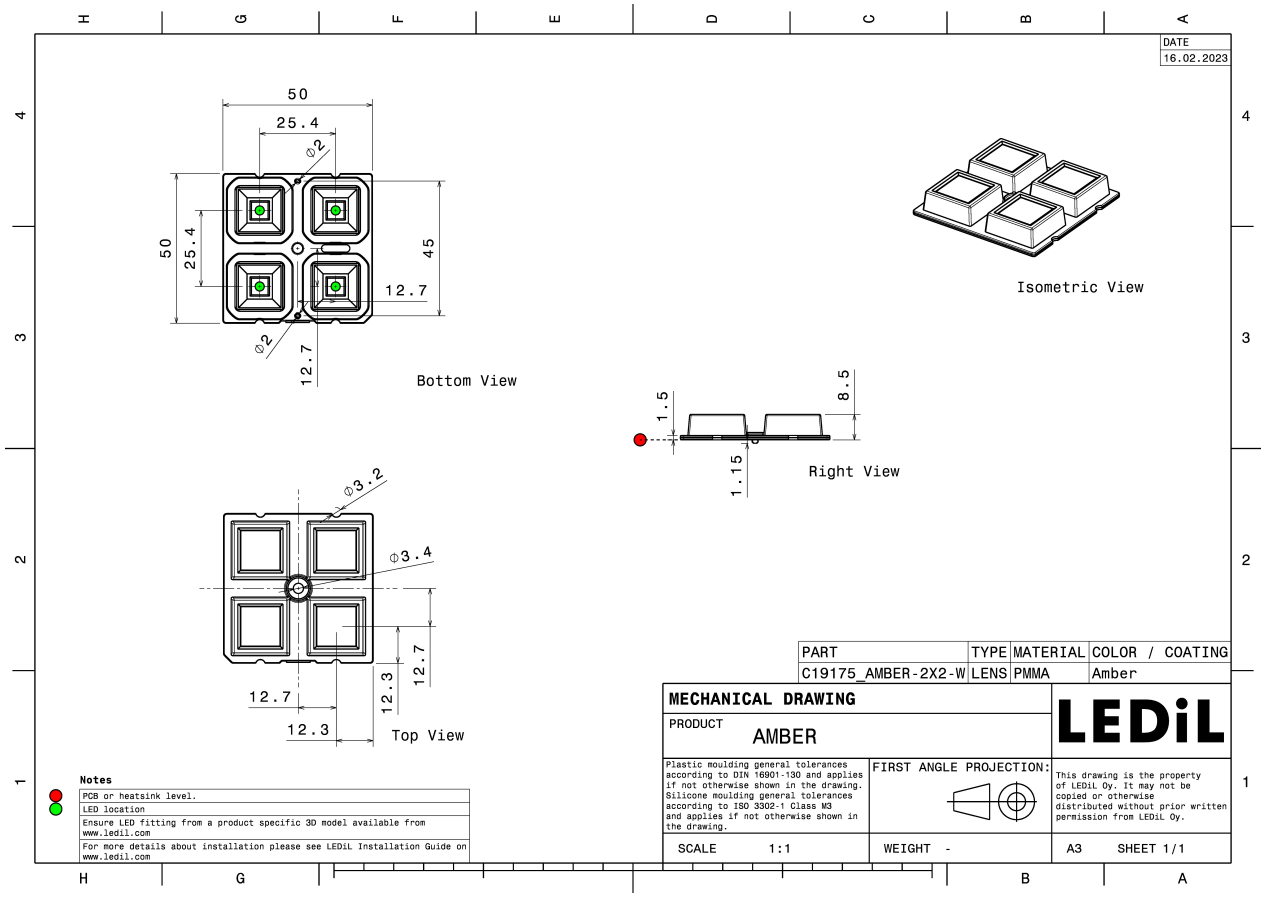
Dimensions	50.0 x 50.0
Height	8.5 mm
Fastening	glue, pin, screw
ROHS compliant	yes

MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C19175_AMBER-2X2-W » Box size: 480 x 280 x 300 mm	800	160	160	0.0

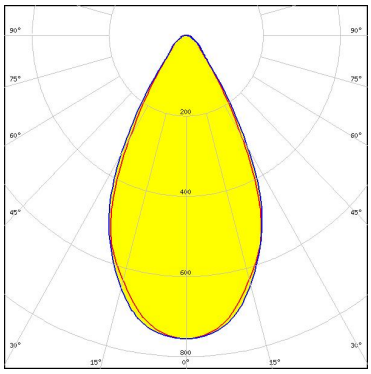


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

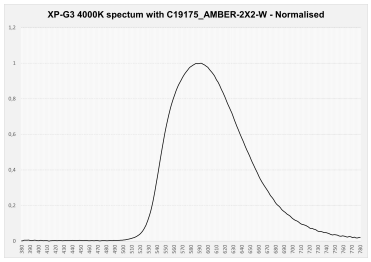
LED	J Series 5050B 6V K Class
FWHM / FWTM	55.0° / 85.0°
Efficiency	71 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

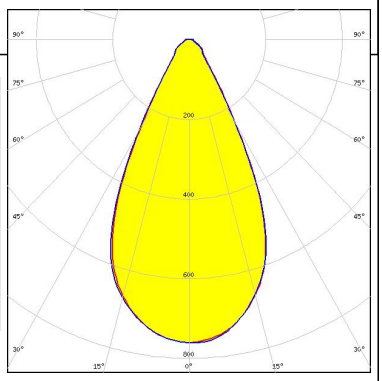


CREE LEDs

Light distribution files

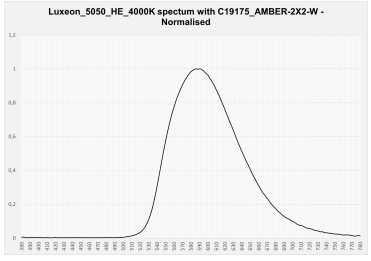
LED	XP-G3	
FWHM / FWTM	53.0° / 80.0°	
Efficiency	73 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Amount of Blue light (380-500 nm)		0.4 %
CCT (LED/with lens)*		3838K/2246K
Required components:		

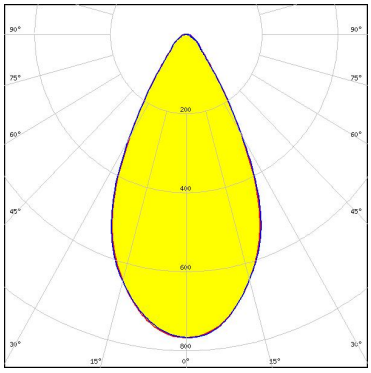




LUMILEDS

LED	LUXEON 5050 HE	
FWHM / FWTM	55.0° / 84.0°	
Efficiency	72 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Amount of Blue light (380-500 nm)		0.3 %
CCT (LED/with lens)*		3854K/2231K
Required components:		

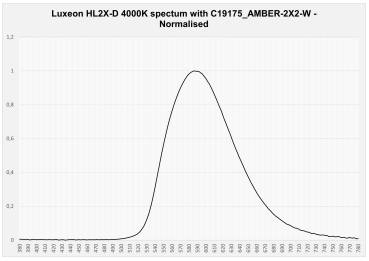


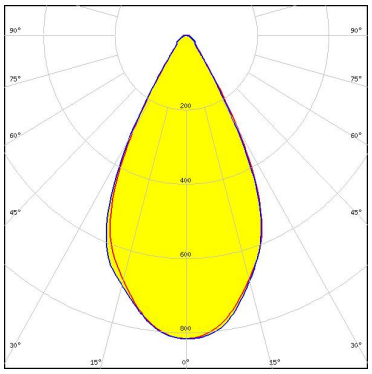


OPTICAL RESULTS (MEASURED):

LUMILEDS

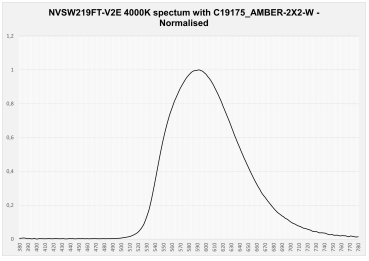
LED	LUXEON HL2X-D	
FWHM / FWTM	55.0° / 76.0°	
Efficiency	74 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Amount of Blue light (380-500 nm)		0.4 %
CCT (LED/with lens)*		3902K/2260K
Required components:		

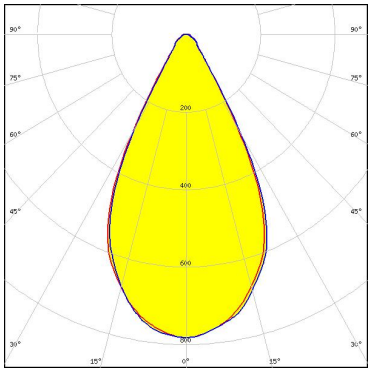




NICHIA

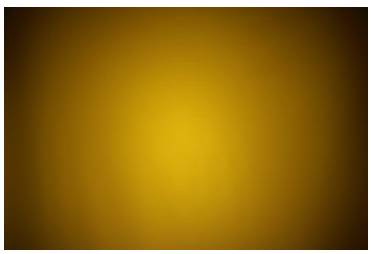
LED	NVSW219F	
FWHM / FWTM	55.0° / 77.0°	
Efficiency	74 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Amount of Blue light (380-500 nm)		0.4 %
CCT (LED/with lens)*		3836K/2241K
Required components:		

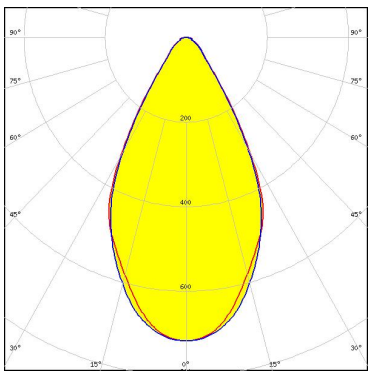




OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	57.0° / 88.0°
Efficiency	70 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



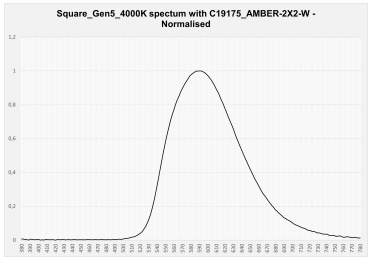


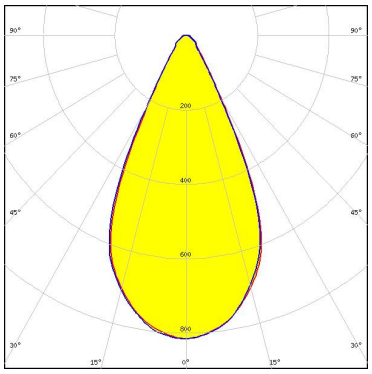
Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

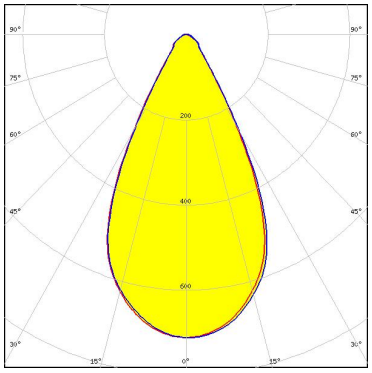
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	52.0° / 74.0°	
Efficiency	73 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Amount of Blue light (380-500 nm)		0.3 %
CCT (LED/with lens)*		3898K/2230K
Required components:		





PHILIPS

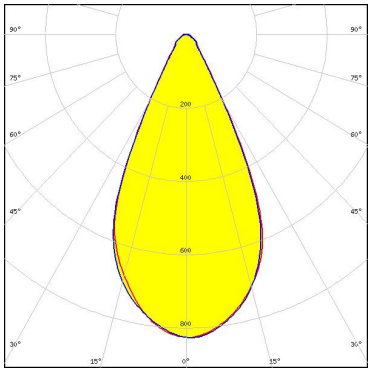
LED	Fortimo FastFlex LED 2x8 DA G4+
FWHM / FWTM	54.0° / 80.0°
Efficiency	67 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM	51.0° / 75.0°
Efficiency	73 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

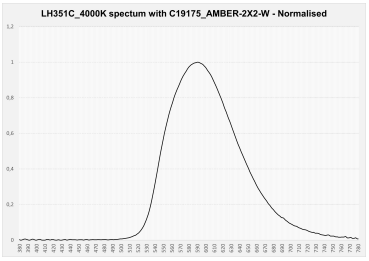


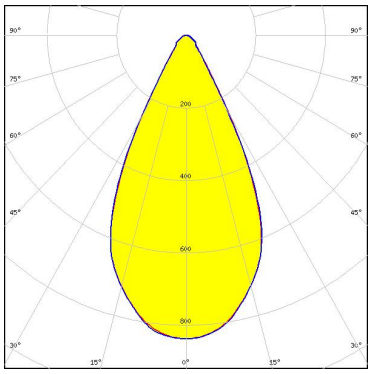
Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

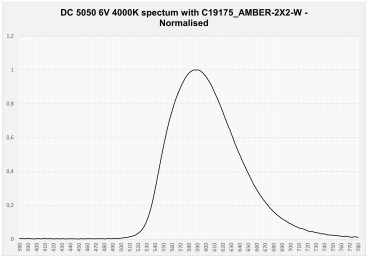
LED	LH351C	
FWHM / FWTM	52.0° / 75.0°	
Efficiency	74 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Amount of Blue light (380-500 nm)		0.3 %
CCT (LED/with lens)*		3773K/2232K
Required components:		

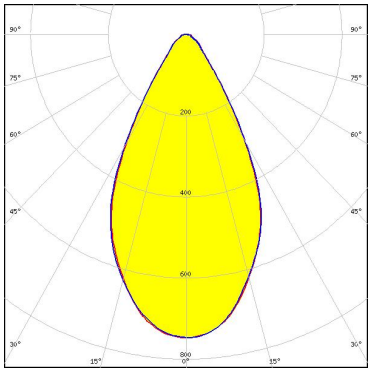




SEOUL SEMICONDUCTOR

LED	SEOUL DC 5050 6V	
FWHM / FWTM	56.0° / 86.0°	
Efficiency	72 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Amount of Blue light (380-500 nm)		0.3 %
CCT (LED/with lens)*		3995K/2220K
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.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy