

ANGELA-M-B

 ${\sim}30^\circ$ medium beam compatible with BJB and B+W connectors

SPECIFICATION:

Dimensions	Ø 119.5 mm
Height	74.5 mm
Fastening	socket
ROHS compliant	yes 🛈



MATERIALS:

Component	Туре	Material	Colour	Finish	Coating
ANGELA-M-B	Reflector	PC	metal		HMDS

ORDERING INFORMATION:

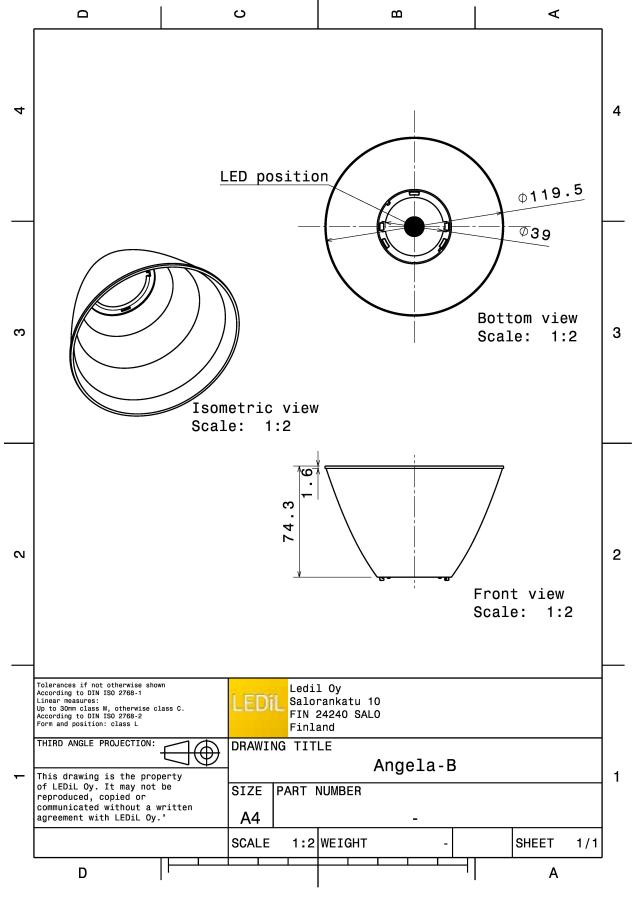
Component

- F13663_ANGELA-M-B
- » Box size: 398 x 298 x 265 mm

Qty in box	MOQ	MPQ	Box weight (kg)
180	90	45	9.1

PRODUCT DATASHEET F13663_ANGELA-M-B





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



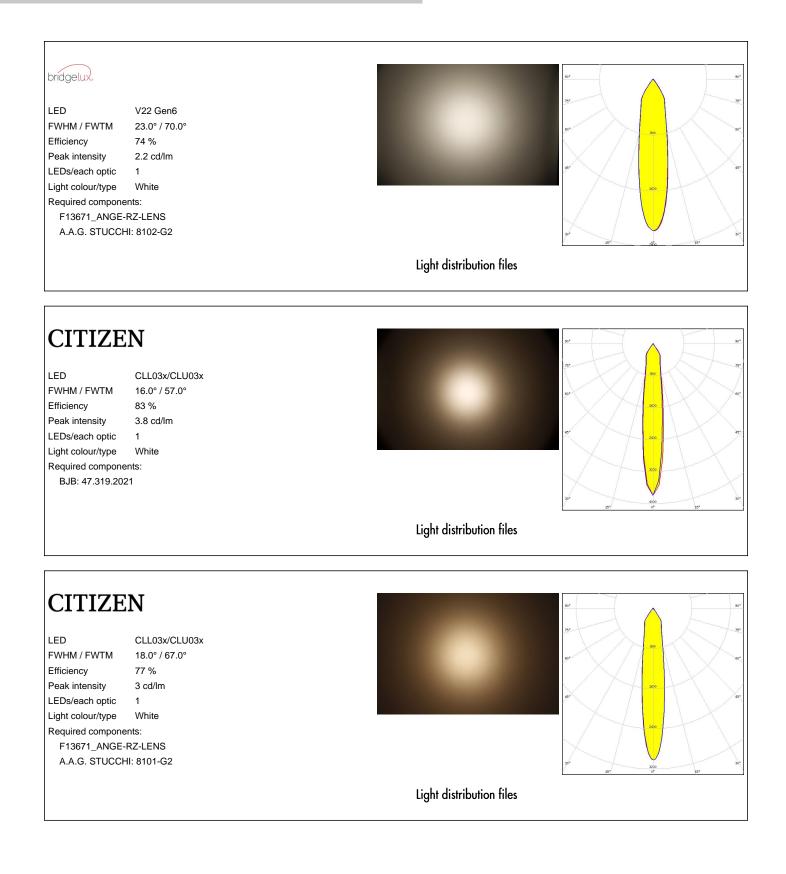
LED BXRA ES Rectangle FWHM / FWTM 16.0° / 58.0° Efficiency 82 % Peak intensity 3.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: BJB: 47.319.204	Links distribution film
	Light distribution files
LED V15 Gen6 FWHM / FWTM 19.0° / 69.0° Efficiency 77 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2224	Fight distribution files
LED V15 Gen6 FWHM / FWTM 18.0° / 67.0° Efficiency 80 % Peak intensity 3.2 cd/lm LEDs/each optic 1 Light colour/type White Required components: BJB: 47.319.2224	Light distribution files



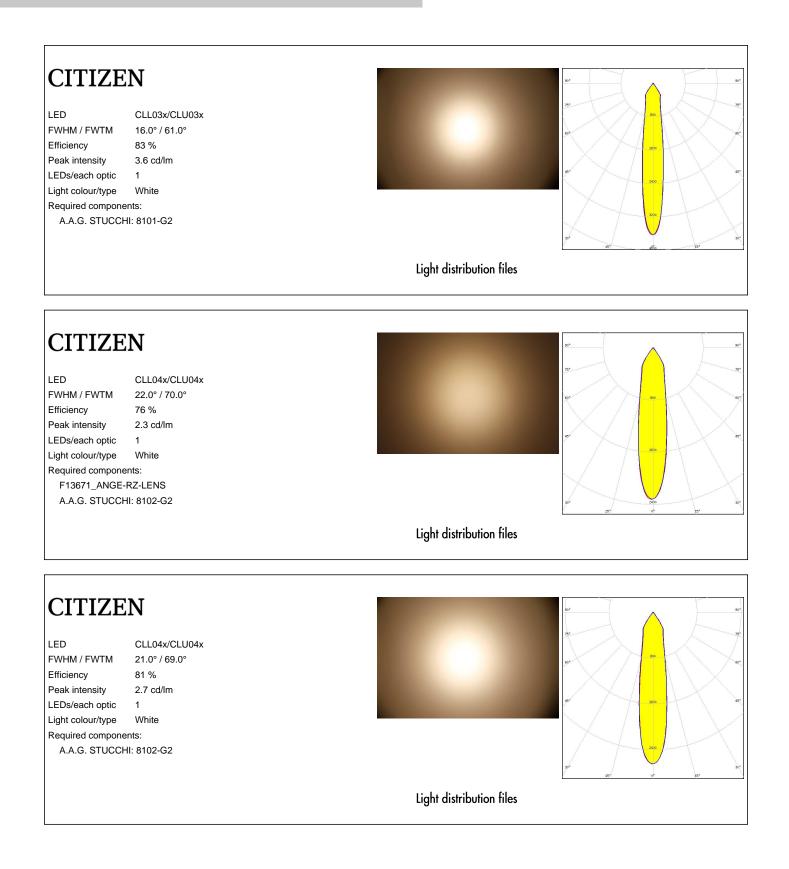
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone F13671_ANGE- BJB: 47.319.227	RZ-LENS	
		Light distribution files
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone BJB: 47.319.235		Light distribution files
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone A.A.G. STUCCH		
		Light distribution files

Last update: 13/05/2024Subject to change without prior noticePublished: 30/04/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.4/21

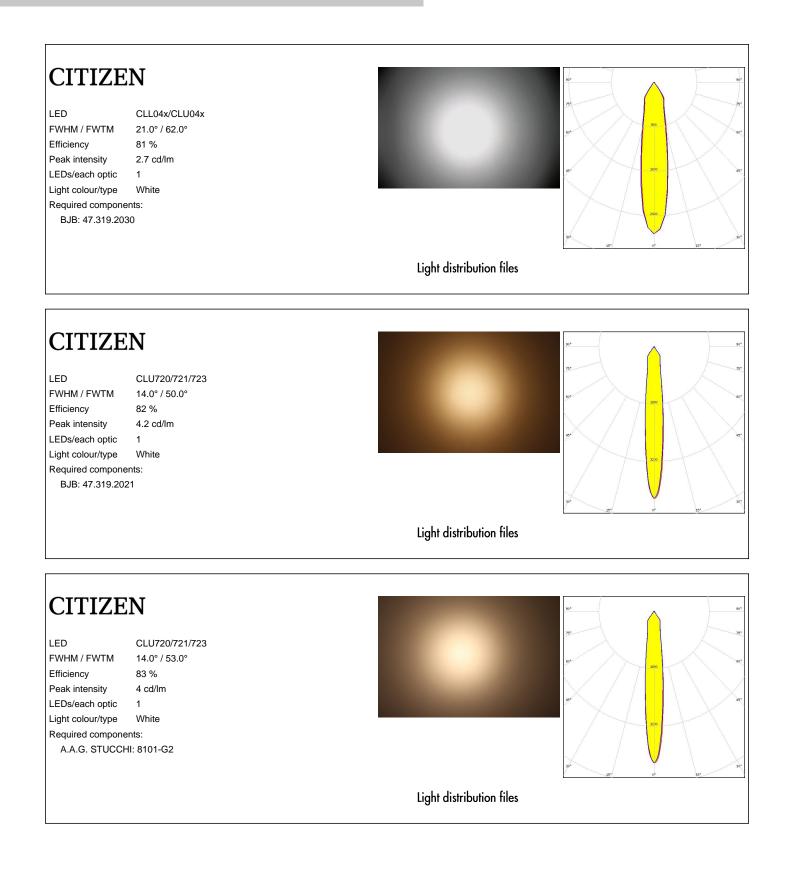




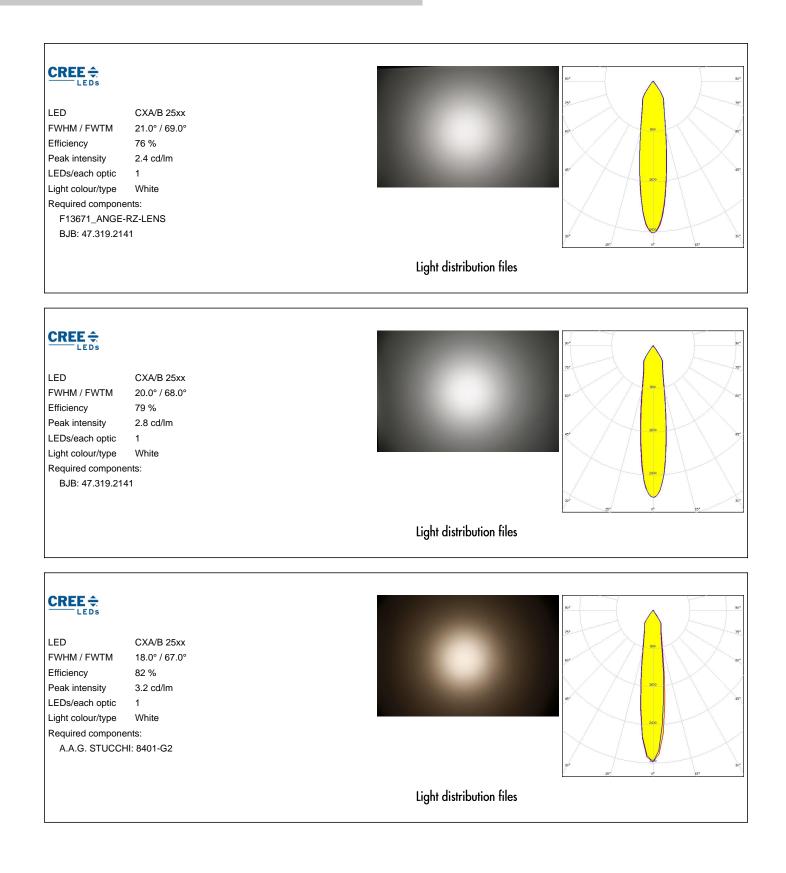




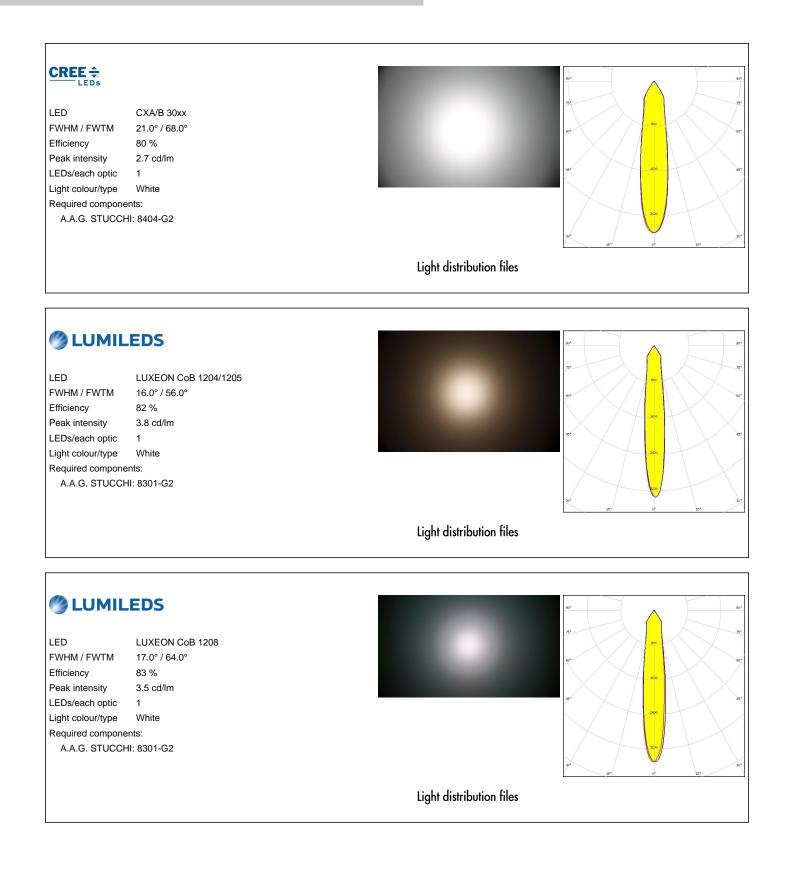




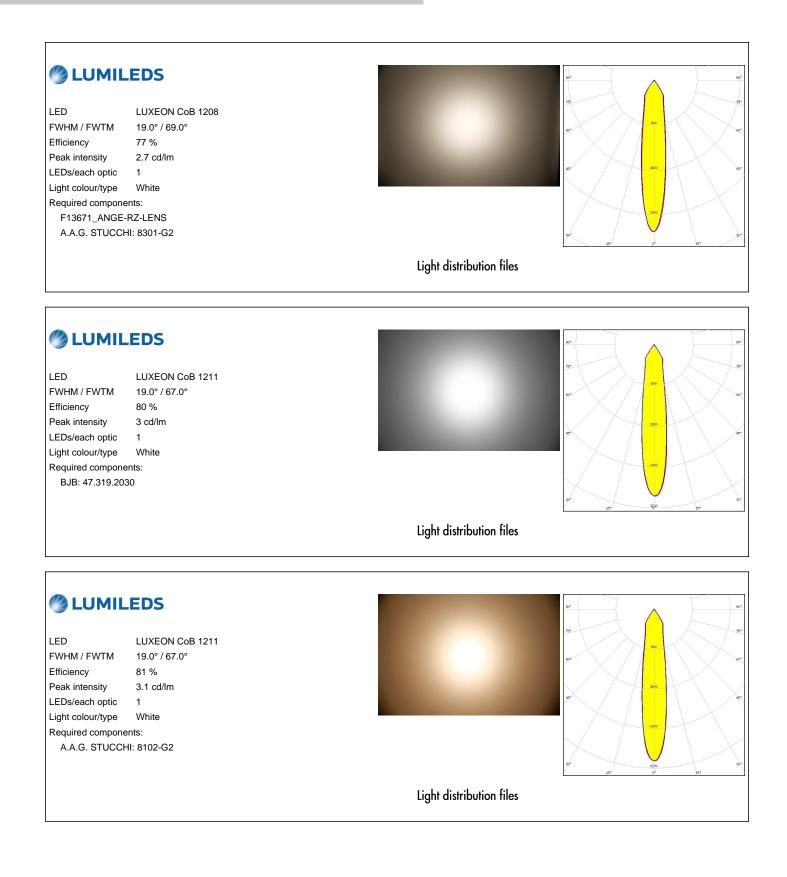




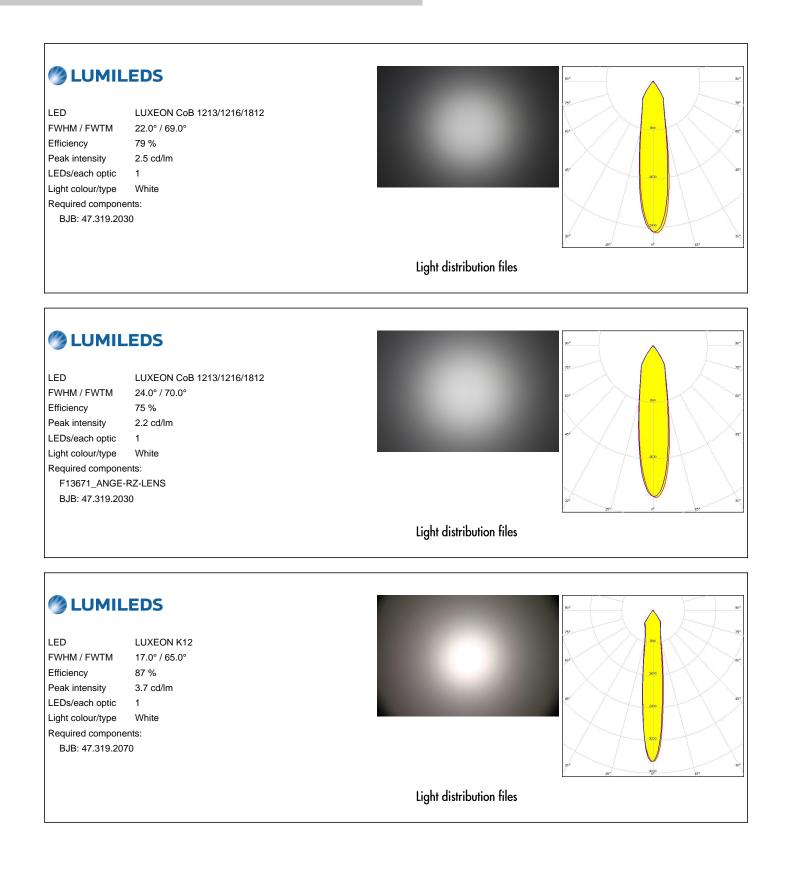




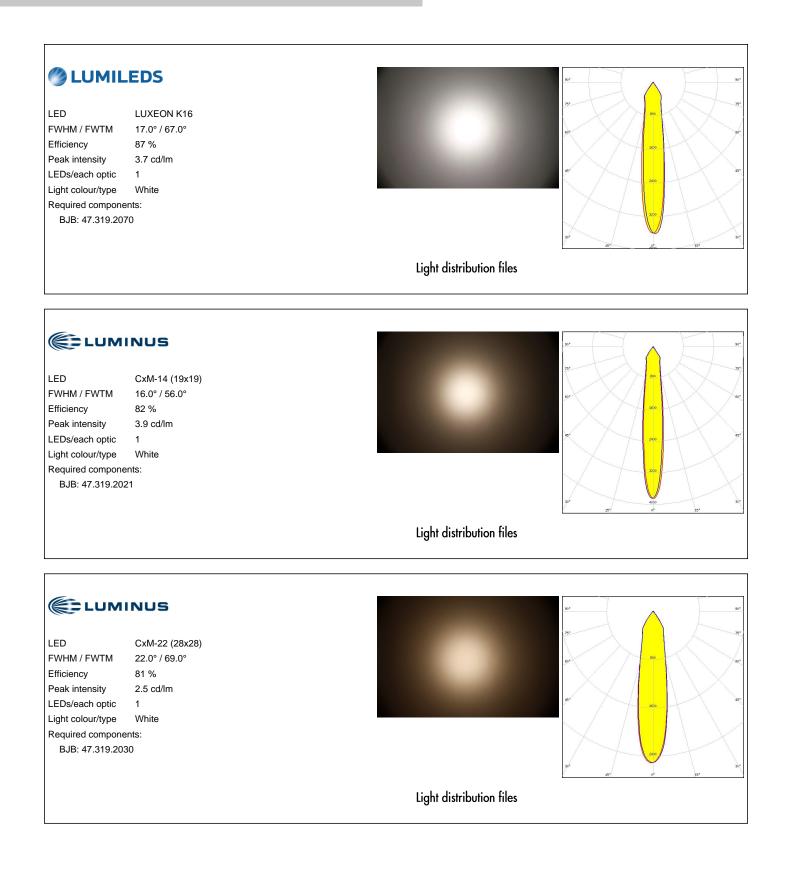




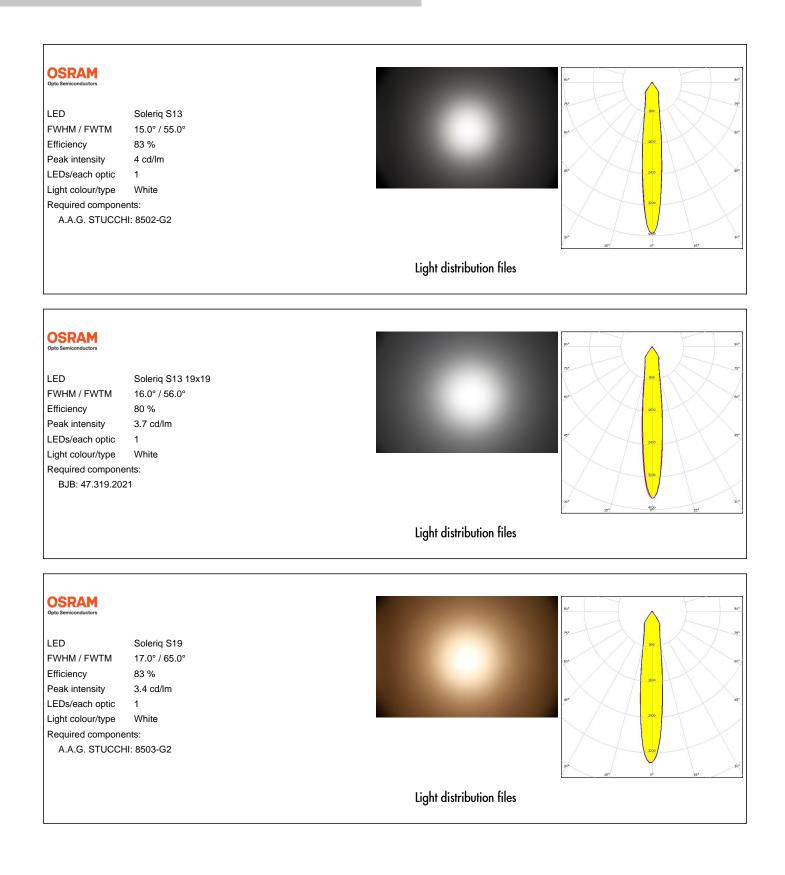








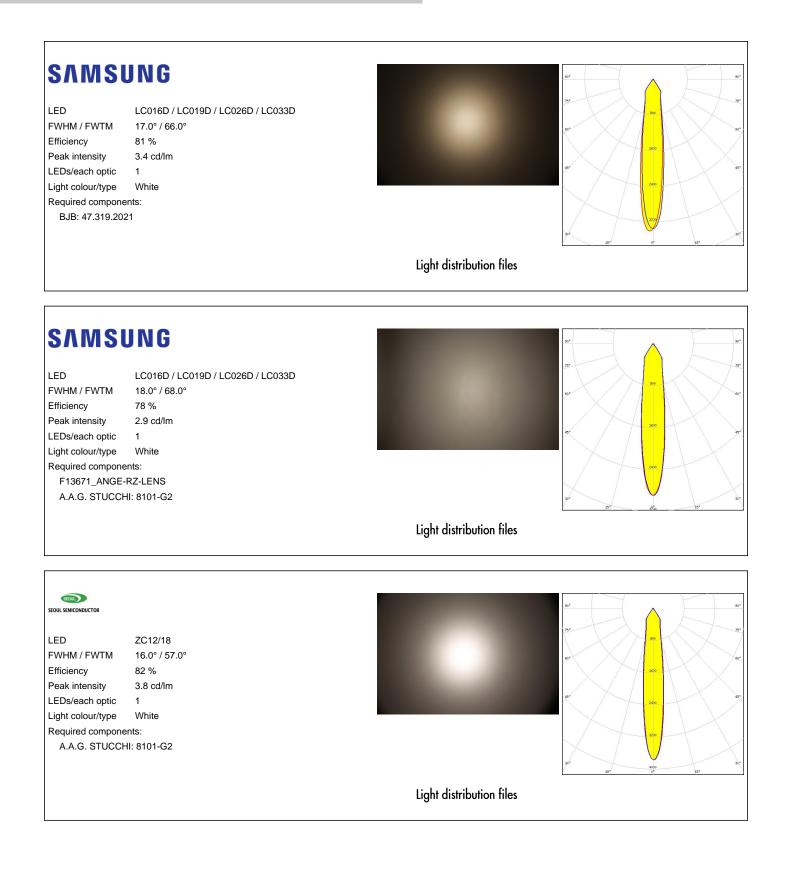






OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone BJB: 47.319.217		20 20 20 20 20 20 20 20 20 20 20 20 20 2
		Light distribution files
SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone A.A.G. STUCCH	LC016D / LC019D / LC026D / LC033D 17.0° / 66.0° 81 % 3.4 cd/lm 1 White nts:	
		Light distribution files
SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC016D / LC019D / LC026D / LC033D 18.0° / 68.0° 78 % 2.9 cd/lm 1	50° 72 61 62 62 72 70 70 70 70 70 70 70 70 70 70 70 70 70
LEDS/each optic Light colour/type Required compone F13671_ANGE- BJB: 47.319.202	White nts: RZ-LENS	2533 26 ¹ 25 ² 25 ²
		Light distribution files

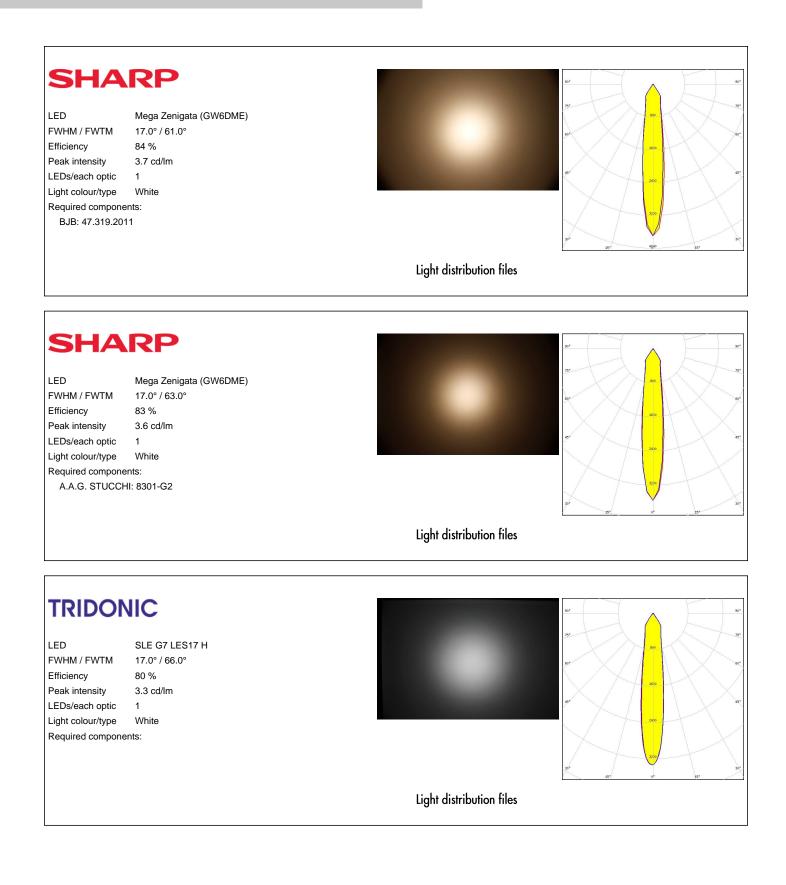




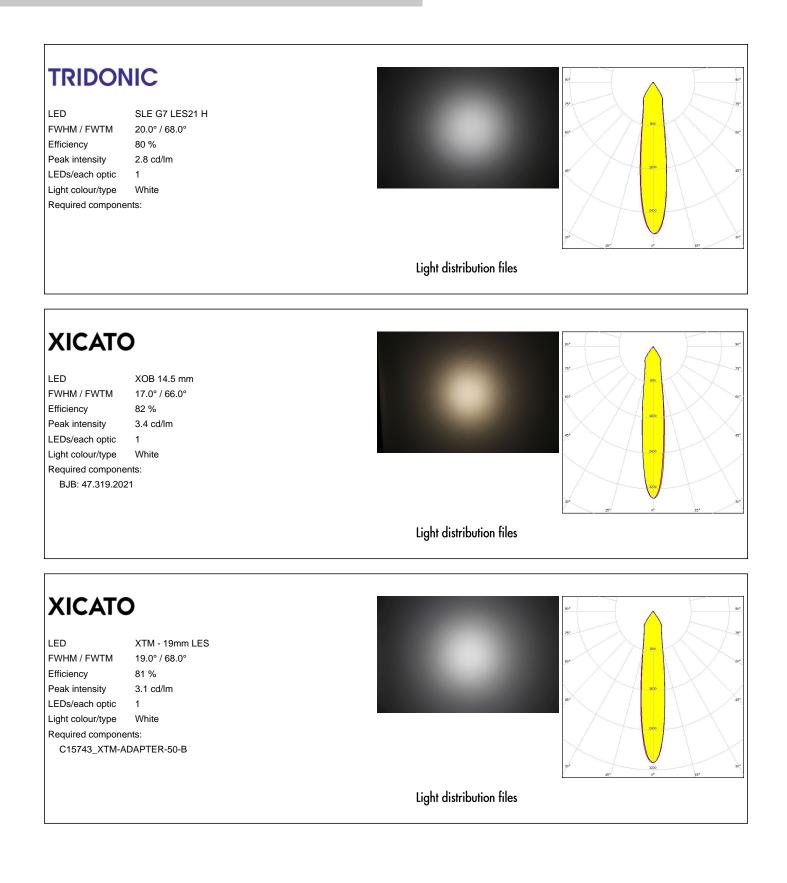


seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required componer F13671_ANGE- BJB: 47.319.203	RZ-LENS	
		Light distribution files
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone BJB: 47.319.203		Light distribution files
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone A.A.G. STUCCH		Light distribution files











OPTICAL RESULTS (SIMULATED):

CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: BJB: 47.319.2021	CLL03x/CLU03x 18.0° / 33.0° 94 % 6.3 cd/lm 1 White	Light distribution files
CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: BJB: 47.319.2030	CLL04x/CLU04x 22.0° / 43.0° 88 % 4.2 cd/lm 1 White	Light distribution files
CITTIZEN LED FWHM / FWTM Efficiency LEDs/each optic Light colour/type Required components: BJB: 47.319.2030	CLU730/731/733 16.0° / 26.0° 91 % 1 White	Light distribution files



OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors			904
LED	Soleriq S15		75
FWHM / FWTM	18.0° / 30.0°		60 ¹
Efficiency	90 %		
Peak intensity	6 cd/lm		320
LEDs/each optic	1		42.
Light colour/type	White		
Required components:			4500
			30-
			15 ⁵ 0 ⁶ 55°
B IB· 17 310 2021			
BJB: 47.319.2021		Light distribution files	
BJB: 47.319.2021	NG	Light distribution files	90°
SVWSAL		Light distribution files	25
SAMSUI	LC040D / LC060D / LC080D	Light distribution files	25-000
SAMSU LED FWHM / FWTM	LC040D / LC060D / LC080D 23.0° / 45.0°	Light distribution files	23 ⁴ 000
SAMSUT LED FWHM / FWTM Efficiency	LC040D / LC060D / LC080D 23.0° / 45.0° 87 %	Light distribution files	25°
SAMSUT LED FWHM / FWTM Efficiency Peak intensity	LC040D / LC060D / LC080D 23.0° / 45.0° 87 % 3.8 cd/lm	Light distribution files	23 ⁴ 000
SAMSUT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC040D / LC060D / LC080D 23.0° / 45.0° 87 % 3.8 cd/lm 1	Light distribution files	27 69 100
SAMSUT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	LC040D / LC060D / LC080D 23.0° / 45.0° 87 % 3.8 cd/lm	Light distribution files	27 69 100
SAMSUT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC040D / LC060D / LC080D 23.0° / 45.0° 87 % 3.8 cd/lm 1	Light distribution files	275 604 1659 - 200
SAM SUT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	LC040D / LC060D / LC080D 23.0° / 45.0° 87 % 3.8 cd/lm 1	Light distribution files	209 209 209
SAM SUT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	LC040D / LC060D / LC080D 23.0° / 45.0° 87 % 3.8 cd/lm 1	Light distribution files	507.



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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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

Poznan, Poland Hong Kong, China

Distribution Partners

www.ledil.com/ where_to_buy