

ALISE-50-M

~24° medium beam

SPECIFICATION:

Dimensions	Ø 49.9
Height	25 mm
ROHS compliant	yes ⓘ

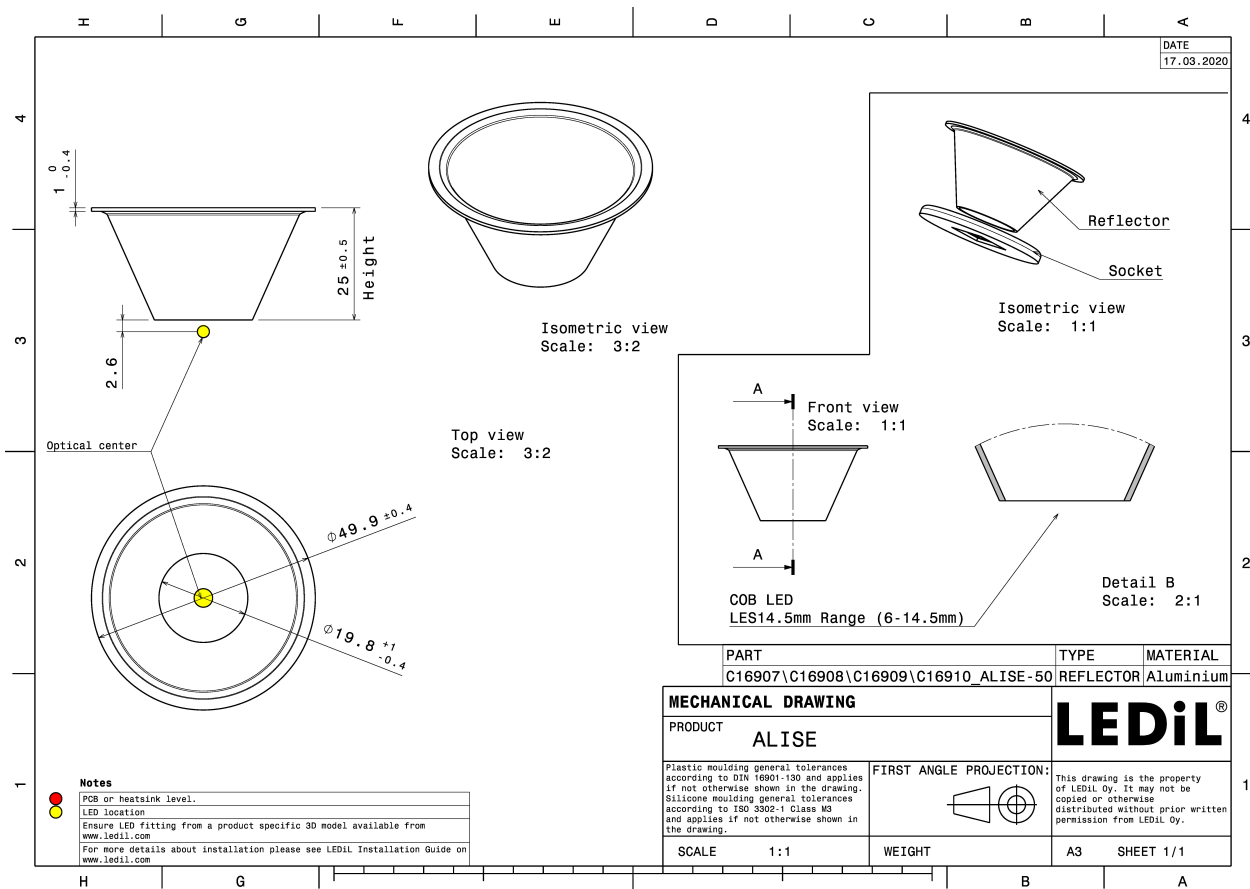
MATERIALS:

Component	Type	Material	Colour	Finish	Coating
ALISE-50-M	Reflector	Aluminium	metal		Anodized



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16908_ALISE-50-M » Box size: 370 x 320 x 210 mm	750	100	25	6.1



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

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON UV 3535 (SU CULFP1.VC)
FWHM / FWTM	35.0° / 84.0°
Efficiency	67 %
LEDs/each optic	1
Light colour/type	UV-C
Required components:	

The UVC LED result tolerance is ± 10 %

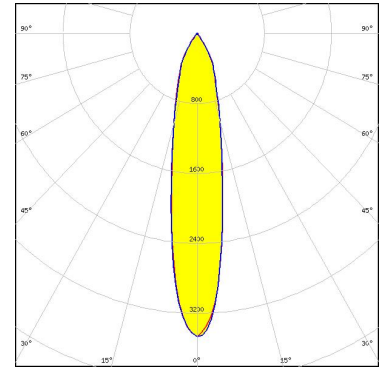
[Light distribution files](#)

[LDC linear pdf](#)

OPTICAL RESULTS (SIMULATED):



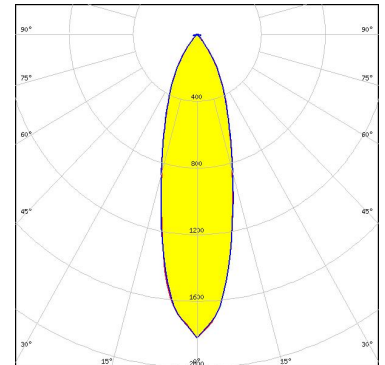
LED Vero SE 10
FWHM / FWTM 20.0° / 59.0°
Efficiency 86 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

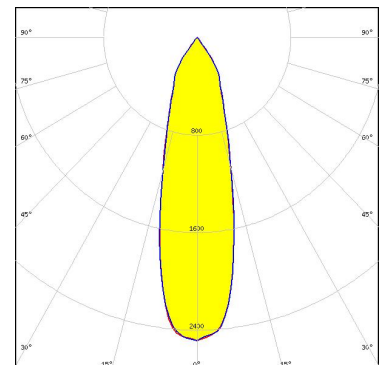
LED CLL02x/CLU02x (LES10)
FWHM / FWTM 28.0° / 68.0°
Efficiency 73 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C17099_ALISE-50-DL



Light distribution files

CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 28.0° / 70.0°
Efficiency 90 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

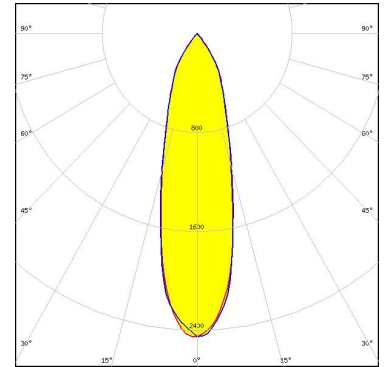


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

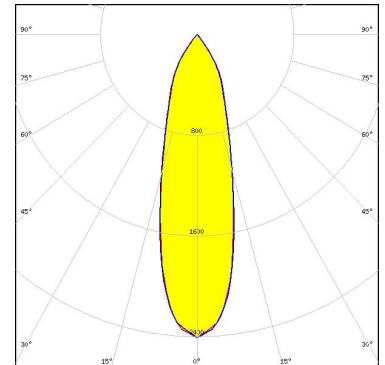
LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	28.0° / 68.0°
Efficiency	90 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



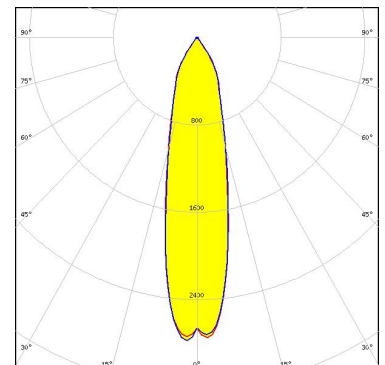
LED	CMT14xx
FWHM / FWTM	28.0° / 68.0°
Efficiency	90 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	CXA/B 15xx
FWHM / FWTM	24.0° / 66.0°
Efficiency	87 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

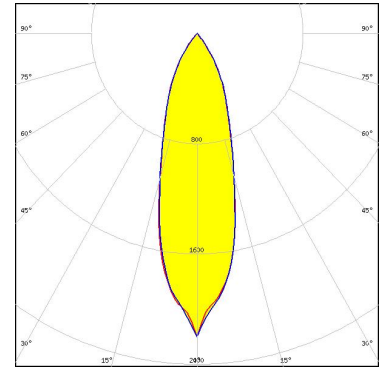


Light distribution files

OPTICAL RESULTS (SIMULATED):



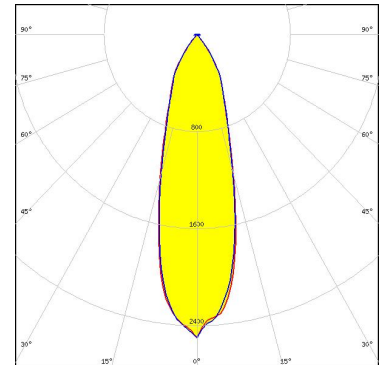
LED CXA/B 1830
FWHM / FWTM 30.0° / 68.0°
Efficiency 83 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



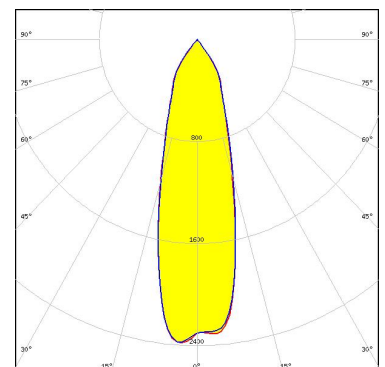
LED LUXEON CoB 1202/1203
FWHM / FWTM 29.0° / 68.0°
Efficiency 96 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON CoB 1202s
FWHM / FWTM 29.0° / 70.0°
Efficiency 90 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

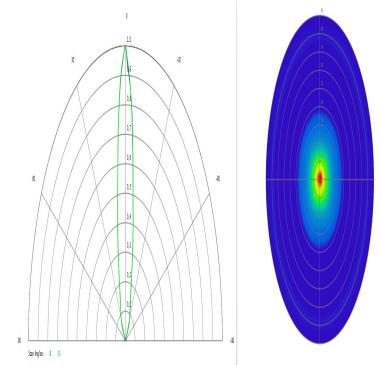


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED XFM-5050 4 Die
FWHM / FWTM 20.0° / 54.0°
Efficiency 89 %
LEDs/each optic 1
Light colour/type UV-C
Required components:

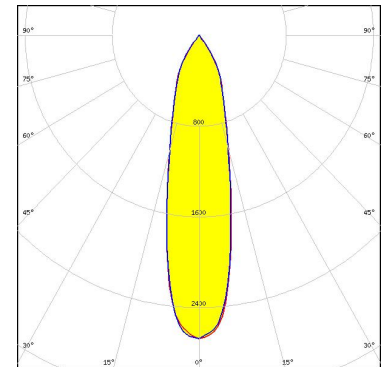


Light distribution files

The UVC LED result tolerance is $\pm 10\%$

SAMSUNG

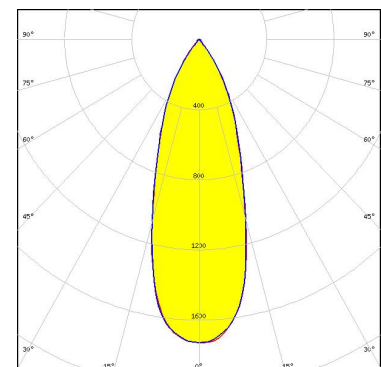
LED LC003D / LC006D / LC009D / LC013D
FWHM / FWTM 25.0° / 66.0°
Efficiency 86 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

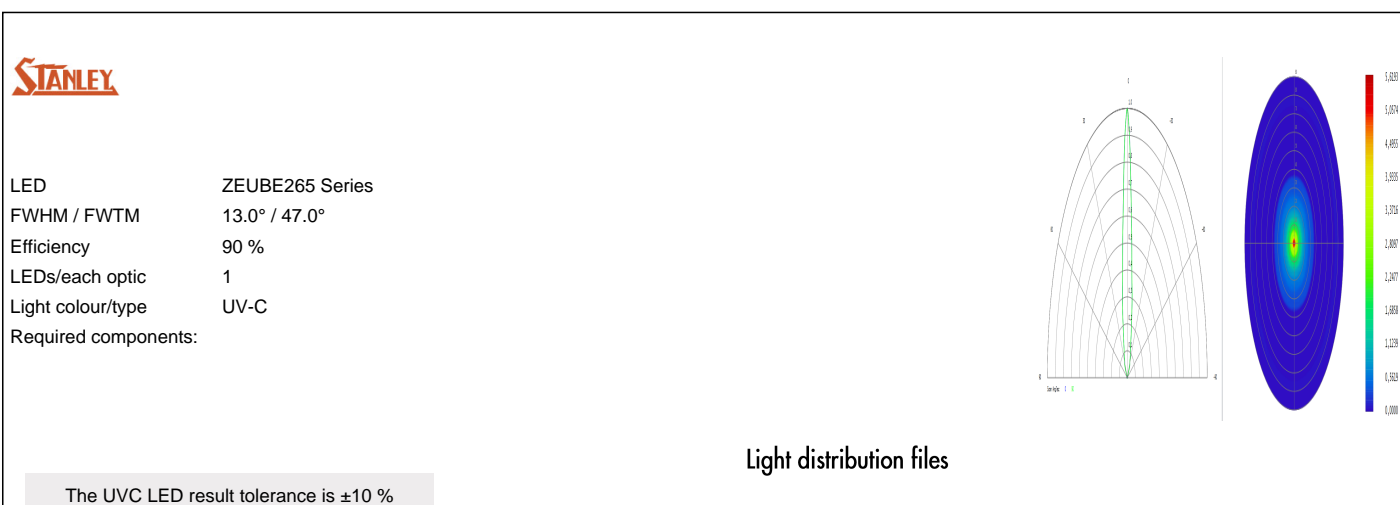
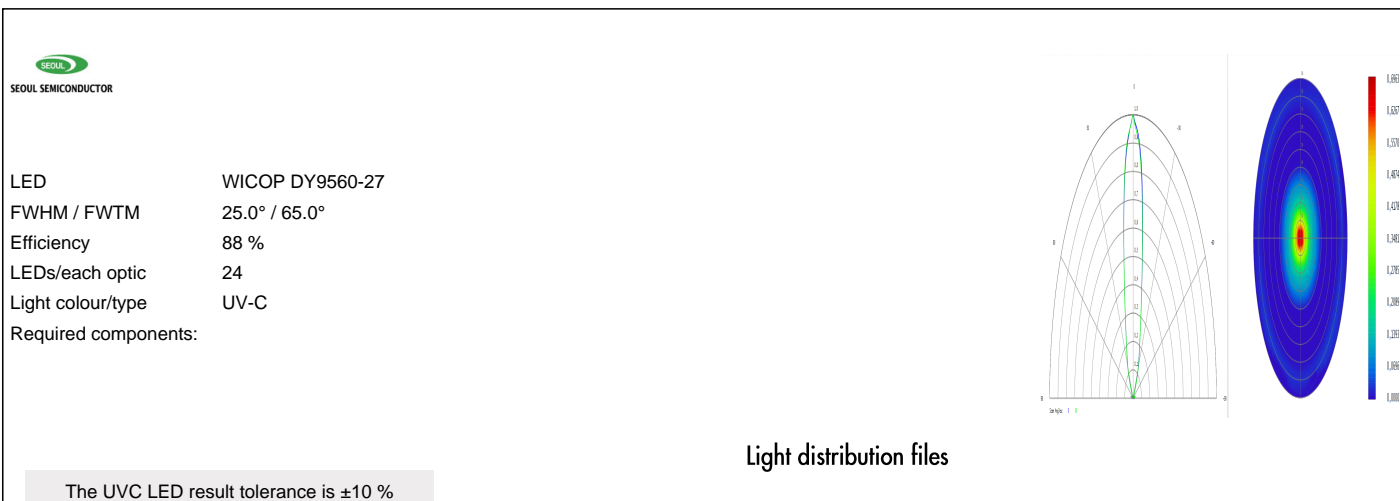
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
FWHM / FWTM 36.0° / 70.0°
Efficiency 83 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):



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.

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