

ALISE-110-M

~24° medium beam

SPECIFICATION:

Dimensions	Ø 110.0 mm
Height	65 mm
ROHS compliant	yes ⓘ

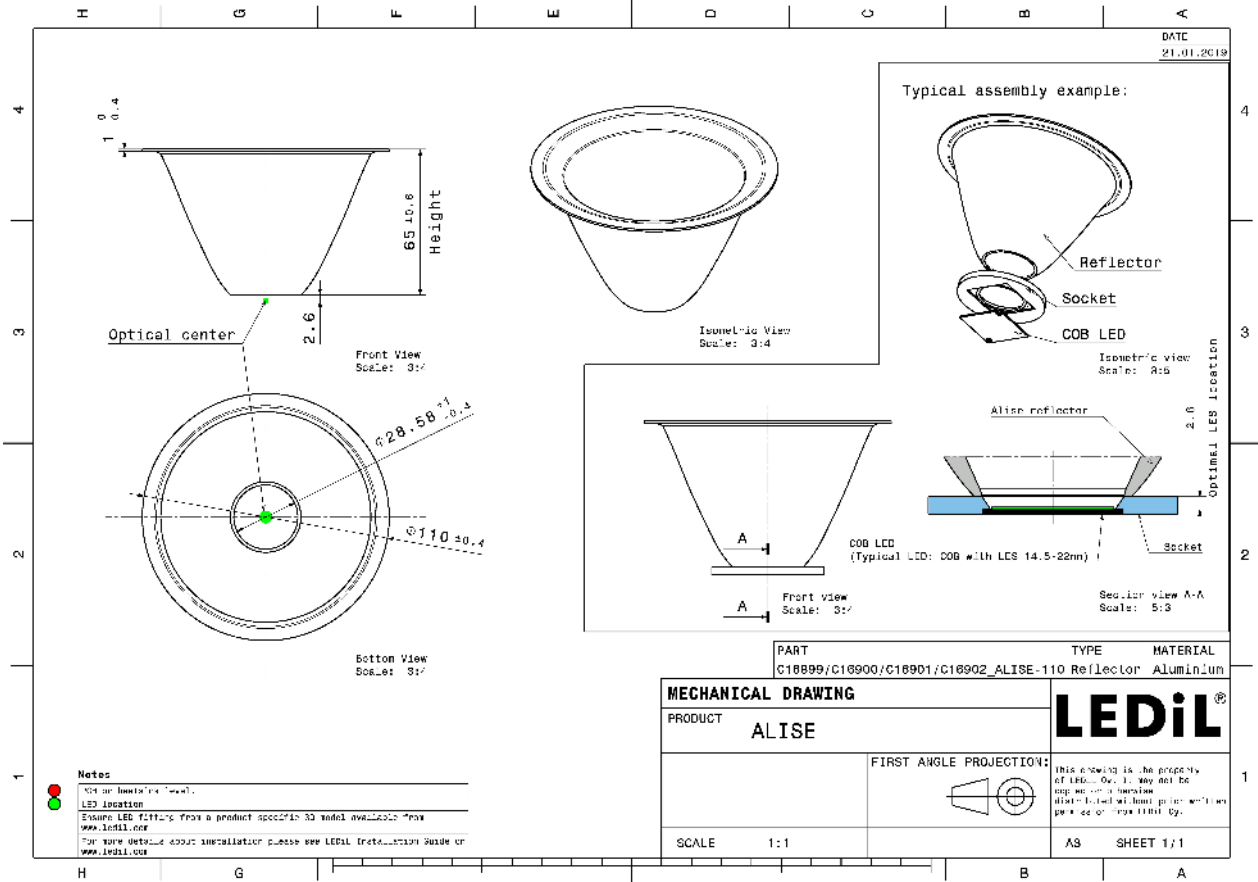
MATERIALS:

Component	Type	Material	Colour	Finish	Coating
ALISE-110-M	Reflector	Aluminium	metal		Anodized



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16900_ALISE-110-M » Box size: 500 x 375 x 250 mm	300	100	25	11.2

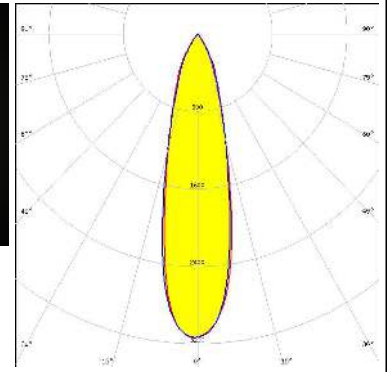
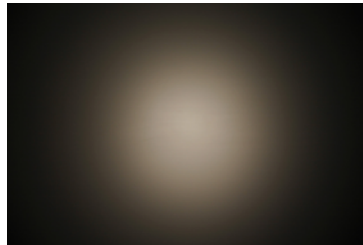


See also our general installation guide: www.ledil.com/installation_guide


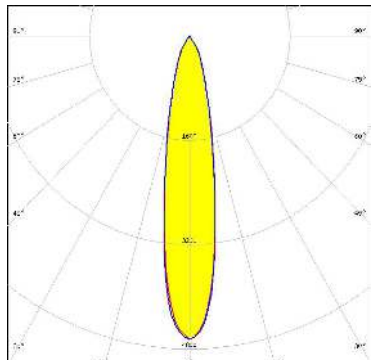
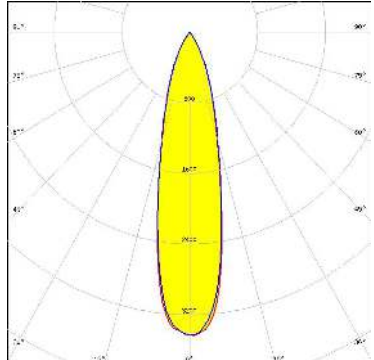

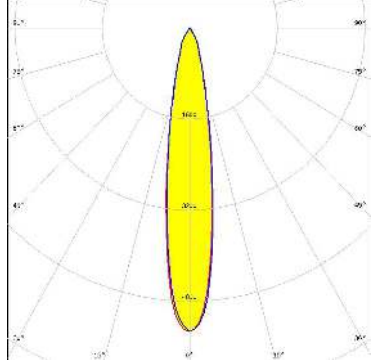

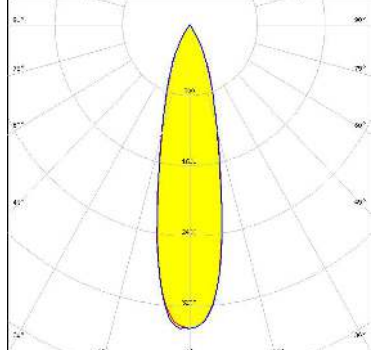
OPTICAL RESULTS (MEASURED):



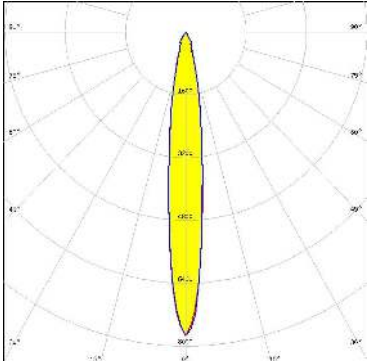
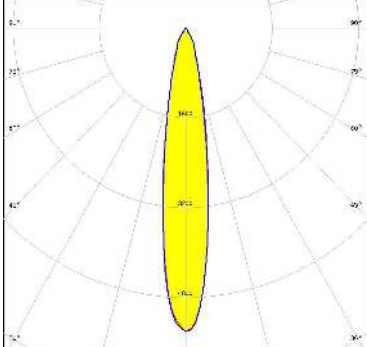
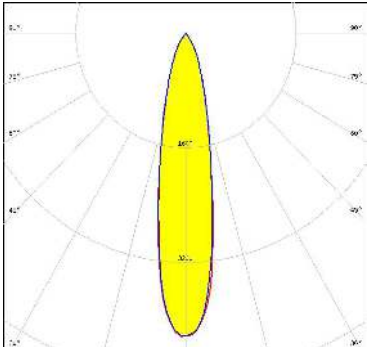
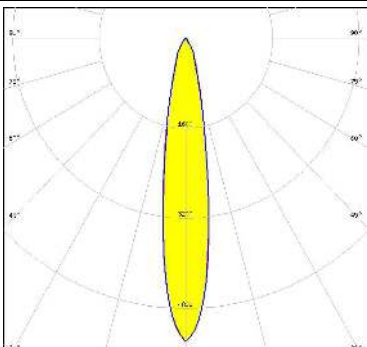
LED CMU22xx
FWHM / FWTM 25.0° / 58.0°
Efficiency 87 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 431 Typ L3



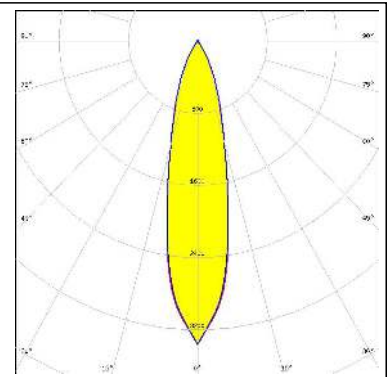
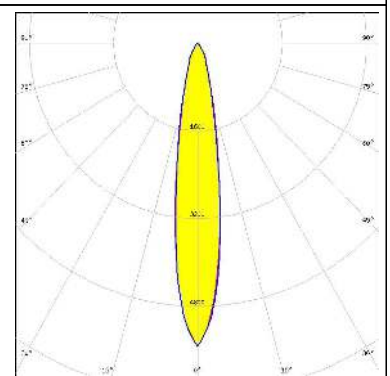
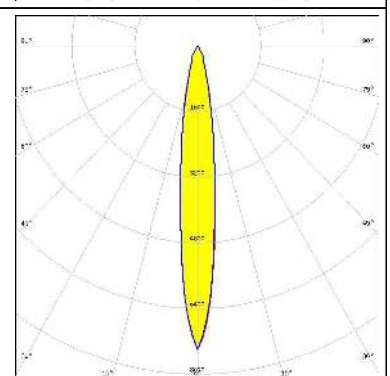
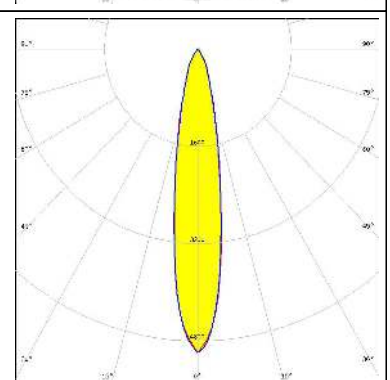
OPTICAL RESULTS (SIMULATED):

<p> LED: Vero SE 18 FWHM / FWTM: 20.0° / 49.0° Efficiency: 92 % Peak intensity: 4.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CITIZEN LED: CLL04x/CLU04x FWHM / FWTM: 24.0° / 55.0° Efficiency: 91 % Peak intensity: 3.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> LED: CMA1840 FWHM / FWTM: 18.0° / 41.0° Efficiency: 88 % Peak intensity: 5.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> LED: CMT28xx FWHM / FWTM: 25.0° / 56.0° Efficiency: 92 % Peak intensity: 3.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>CREE → LED</p> <p>LED: CXA/B 15xx FWHM / FWTM: 14.0° / 34.0° Efficiency: 88 % Peak intensity: 7.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: CXA/B 1830 FWHM / FWTM: 18.0° / 42.0° Efficiency: 88 % Peak intensity: 5.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: CXA/B 30xx FWHM / FWTM: 21.0° / 51.0° Efficiency: 92 % Peak intensity: 4.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON CoB 1208 FWHM / FWTM: 18.0° / 42.0° Efficiency: 88 % Peak intensity: 5.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

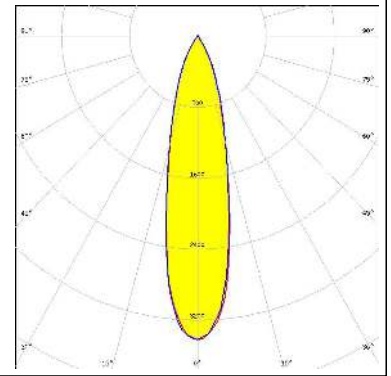
OPTICAL RESULTS (SIMULATED):

<p>LUMINUS</p> <p>LED CxM-22 (28x28)</p> <p>FWHM / FWTM 24.0° / 56.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 3.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED COB J-Type</p> <p>FWHM / FWTM 18.0° / 40.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 5.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SAMSUNG</p> <p>LED LC003D / LC006D / LC009D / LC013D</p> <p>FWHM / FWTM 14.0° / 34.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 7.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SAMSUNG</p> <p>LED LC016D / LC019D / LC026D / LC033D</p> <p>FWHM / FWTM 18.0° / 44.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LC040D / LC060D / LC080D
FWHM / FWTM	24.0° / 55.0°
Efficiency	91 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
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.

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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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/
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