

## ALISE-110-S

~15° spot beam

### SPECIFICATION:

Dimensions	Ø 110.0 mm
Height	65 mm
ROHS compliant	yes ⓘ

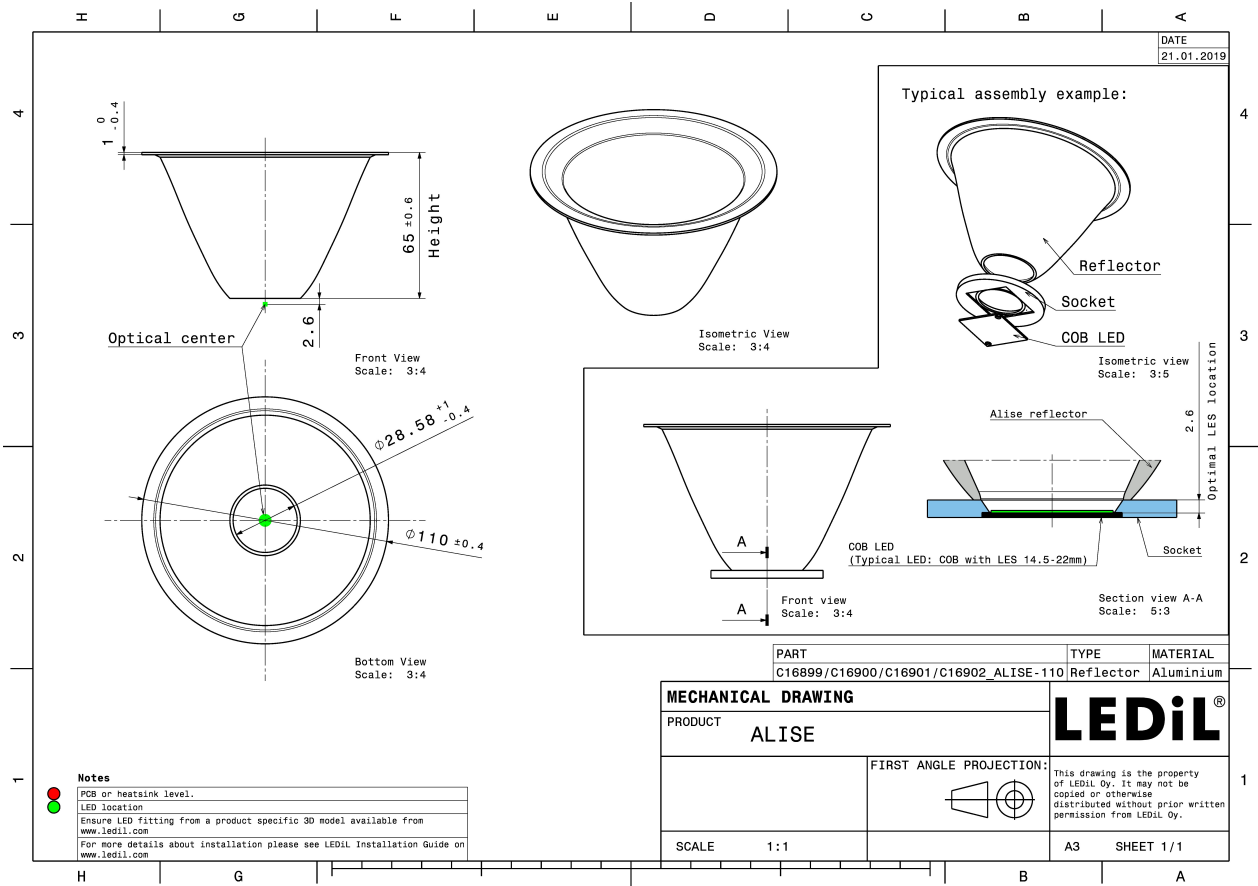
### MATERIALS:

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



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16899_ALISE-110-S » Box size: 500 x 375 x 250 mm	300	100	25	11.1

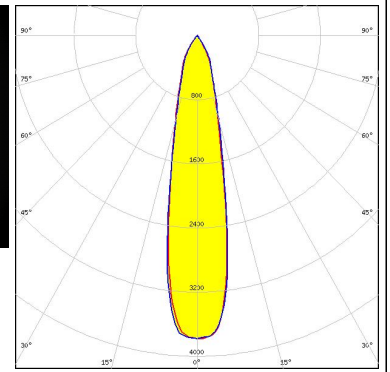


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)


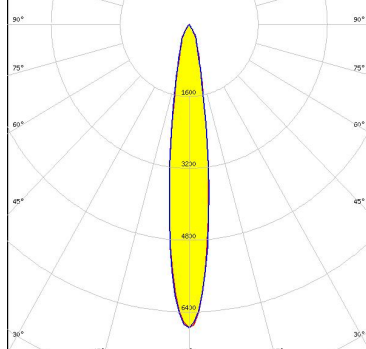
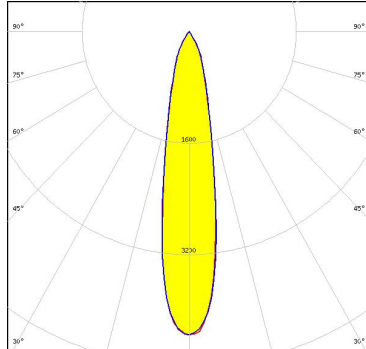

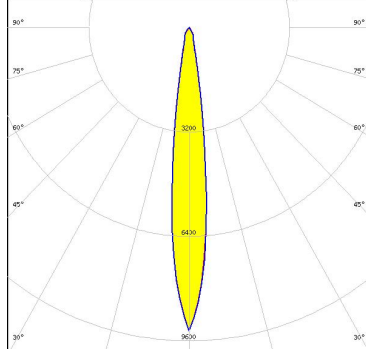

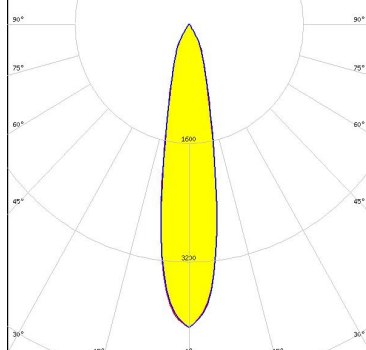
#### OPTICAL RESULTS (MEASURED):



LED CMU22xx  
FWHM / FWTM 21.0° / 54.0°  
Efficiency 87 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 431 Typ L3



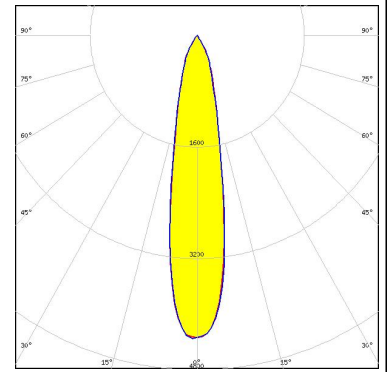
#### OPTICAL RESULTS (SIMULATED):

<p> LED: Vero SE 18            FWHM / FWTM: 15.0° / 37.0°            Efficiency: 93 %            Peak intensity: 6.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CITIZEN</b>            LED: CLL04x/CLU04x            FWHM / FWTM: 20.0° / 50.0°            Efficiency: 92 %            Peak intensity: 4.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> LED: CMA1840            FWHM / FWTM: 14.0° / 28.0°            Efficiency: 89 %            Peak intensity: 9.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> LED: CMA3090            FWHM / FWTM: 20.0° / 52.0°            Efficiency: 89 %            Peak intensity: 4.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

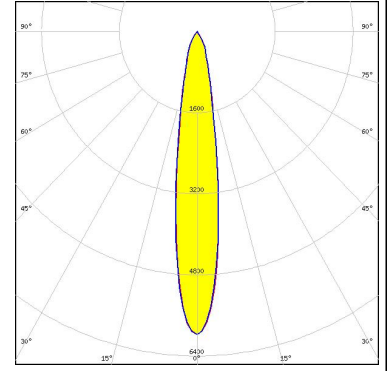
#### OPTICAL RESULTS (SIMULATED):



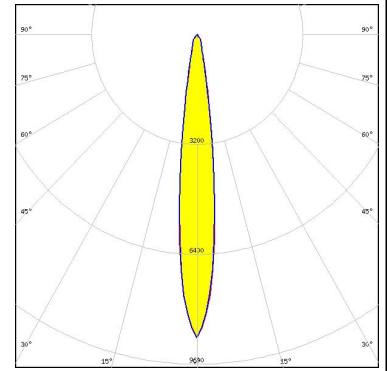
LED CMT28xx  
 FWHM / FWTM 20.0° / 51.0°  
 Efficiency 92 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



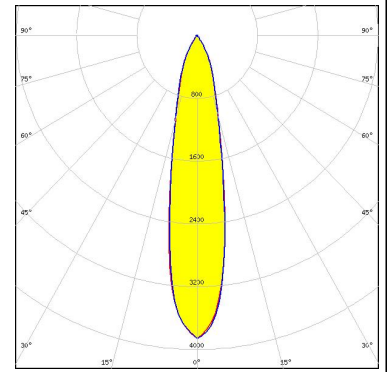
LED CXA/B 30xx  
 FWHM / FWTM 17.0° / 40.0°  
 Efficiency 92 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON CoB 1208  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 88 %  
 Peak intensity 8.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



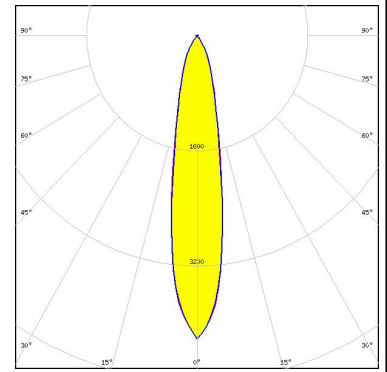
LED LUXEON CoB 1213/1216/1812  
 FWHM / FWTM 21.0° / 53.0°  
 Efficiency 89 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



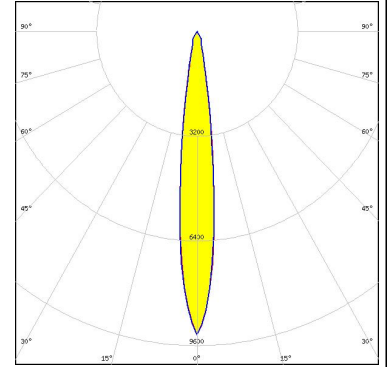
#### OPTICAL RESULTS (SIMULATED):



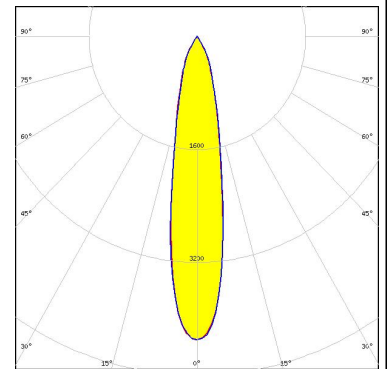
LED CxM-22 (28x28)  
FWHM / FWTM 20.0° / 50.0°  
Efficiency 89 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED COB J-Type  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 88 %  
Peak intensity 9.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LC040D / LC060D / LC080D  
FWHM / FWTM 20.0° / 51.0°  
Efficiency 91 %  
Peak intensity 4.3 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.

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