

### ZOE-30-ZOOM

Ø30 mm zoomable lens with infinitely adjustable beam from 13 to 42 degrees

#### SPECIFICATION:

Dimensions	Ø 31.6 mm
Height	20.3 mm
ROHS compliant	yes ⓘ



#### MATERIALS:

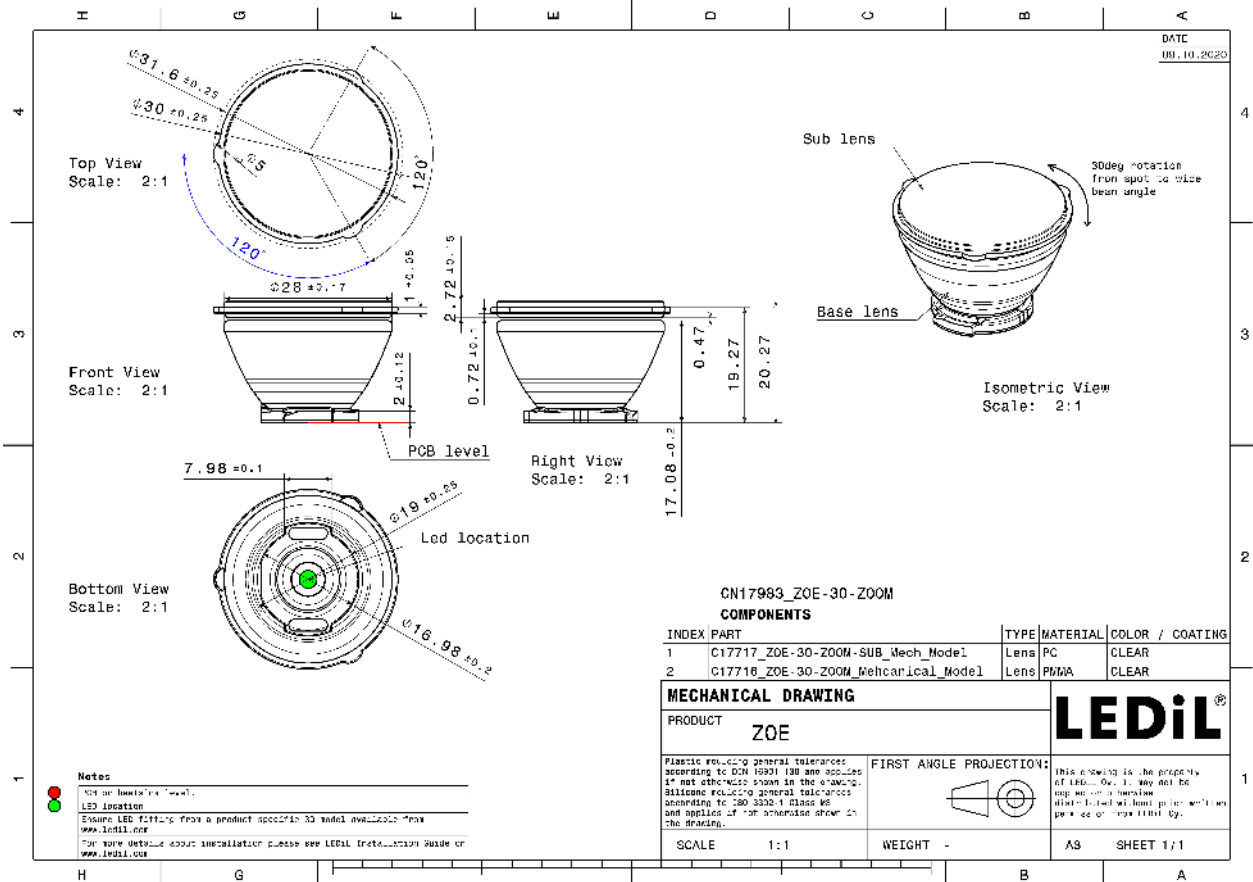
Component	Type	Material	Colour	Finish
C17716_ZOE-30-ZOOM	Single lens	PMMA	clear	
C17717_ZOE-30-ZOOM-SUB	Sublens	PC	clear	

#### ORDERING INFORMATION:

##### Quantities for one set:


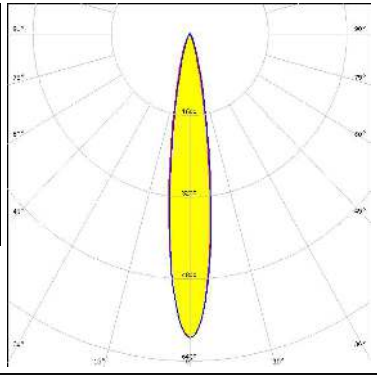

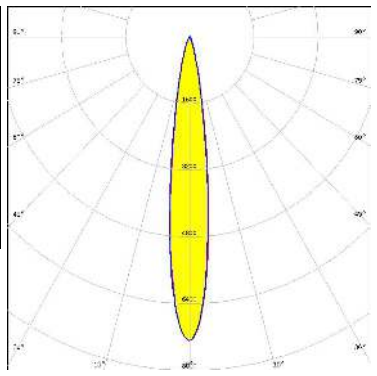
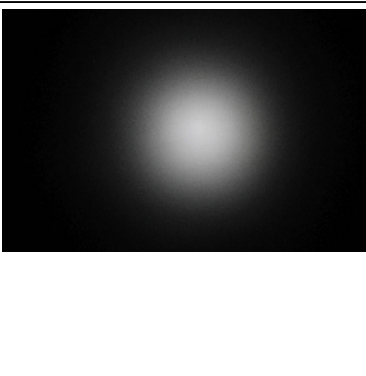
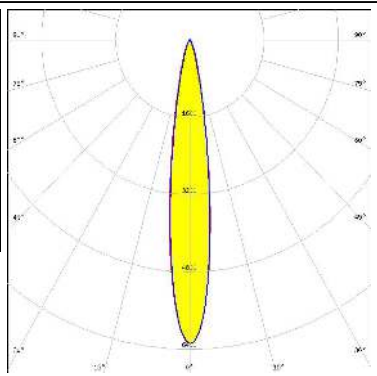

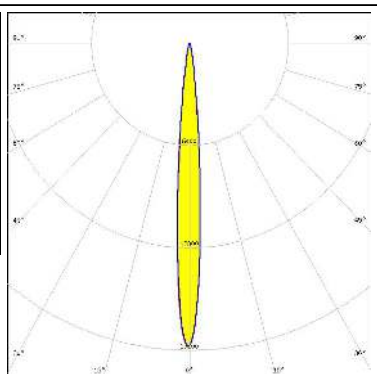
Single lens	1
Sublens	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C17716_ZOE-30-ZOOM	Single lens	1560	104	104	12.1
» Box size: 480 x 280 x 300 mm					
C17717_ZOE-30-ZOOM-SUB	Sublens	1560	104	104	3.6
» Box size: 480 x 280 x 115 mm					


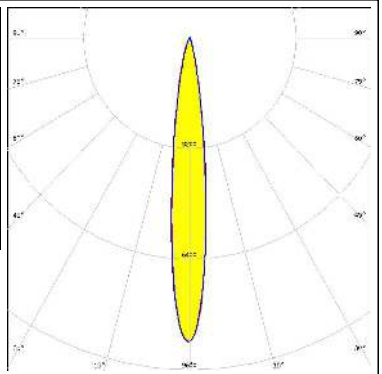

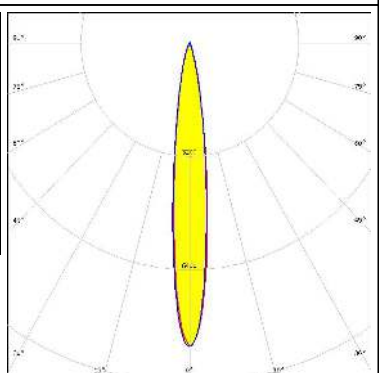
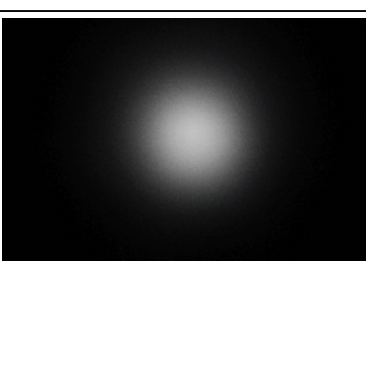
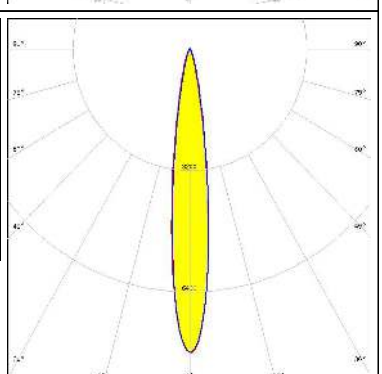

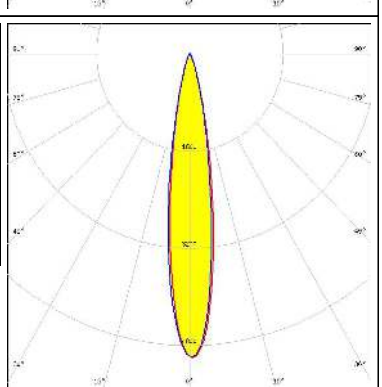


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)


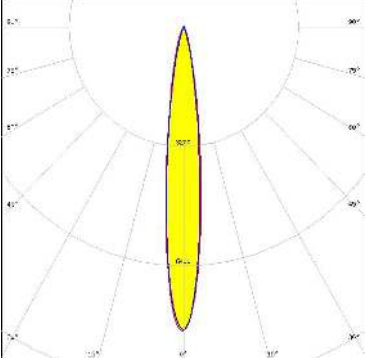

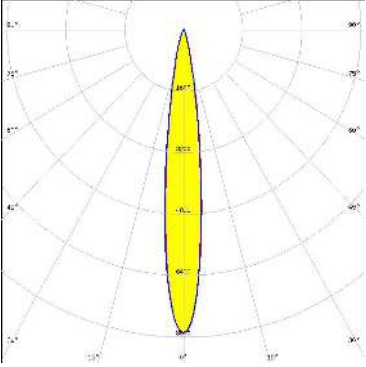

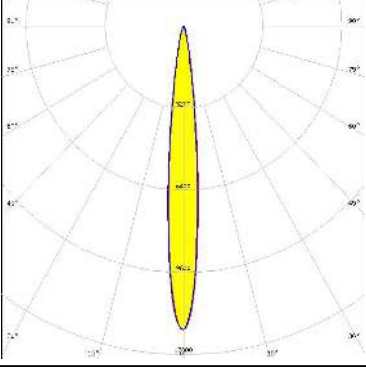

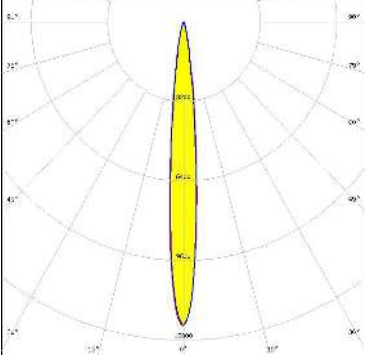
### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP50.3 HI            FWHM / FWTM 16.0 + 43.0° / 34.0 + 67.0°            Efficiency 76 %            Peak intensity 5.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XM-L3            FWHM / FWTM 15.0 + 43.0° / 31.0 + 64.0°            Efficiency 78 %            Peak intensity 7.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XP-L2            FWHM / FWTM 16.0 + 43.0° / 32.0 + 66.0°            Efficiency 75 %            Peak intensity 6.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XP-P            FWHM / FWTM 9.0 + 40.0° / 19.0 + 57.0°            Efficiency 80 %            Peak intensity 19 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		


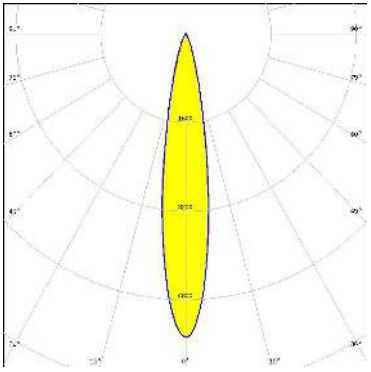

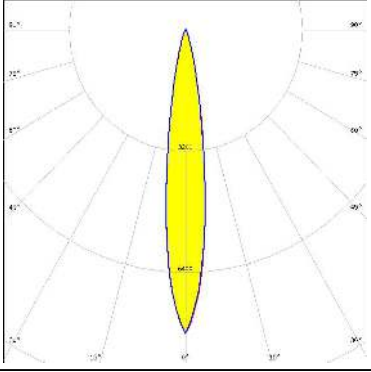

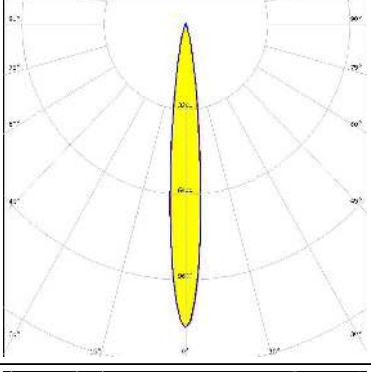

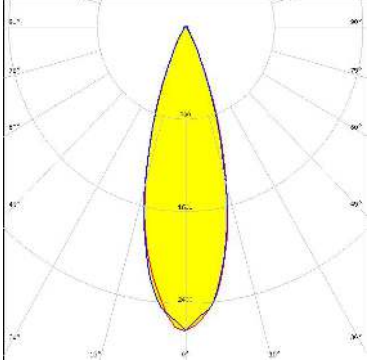
### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON HL2X</p> <p>FWHM / FWTM 14.0 + 42.0° / 29.0 + 61.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 8.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON HL2Z</p> <p>FWHM / FWTM 13.0 + 41.0° / 29.0 + 61.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 8.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW319B</p> <p>FWHM / FWTM 14.0 + 43.0° / 30.0 + 64.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW519A</p> <p>FWHM / FWTM 17.0 + 43.0° / 35.0 + 65.0°</p> <p>Efficiency 68 %</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 (MEASURED):

<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM / FWTM 14.0 + 41.0° / 29.0 + 63.0°            Efficiency 76 %            Peak intensity 8.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (3W version)            FWHM / FWTM 14.0 + 42.0° / 30.0 + 63.0°            Efficiency 78 %            Peak intensity 7.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3            FWHM / FWTM 12.0 + 41.0° / 24.0 + 60.0°            Efficiency 78 %            Peak intensity 11.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square Flat            FWHM / FWTM 10.0 + 41.0° / 23.0 + 61.0°            Efficiency 75 %            Peak intensity 12.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

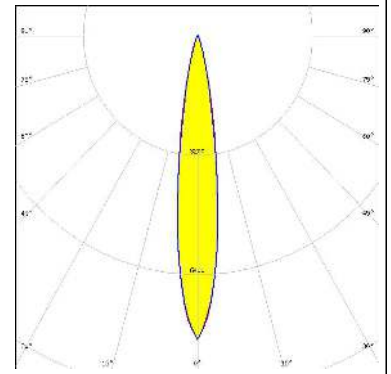
### OPTICAL RESULTS (SIMULATED):

	<p>LED XHP35 HD            FWHM / FWTM 18.0 + 40.0° / 37.0 + 67.0°            Efficiency 80 %            Peak intensity 5.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XHP35.2 HI            FWHM / FWTM 16.0 + 38.0° / 31.0 + 62.0°            Efficiency 92 %            Peak intensity 8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XP-L HI            FWHM / FWTM 12.0 + 40.0° / 26.0 + 63.0°            Efficiency 84 %            Peak intensity 11.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED SST-40            FWHM / FWTM 16.0 + 40.0° / 34.0 + 66.0°            Efficiency 90 %            Peak intensity 6.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

### OPTICAL RESULTS (SIMULATED):



LED	NV4WB35AM
FWHM / FWTM	16.0 + 38.0° / 30.0 + 60.0°
Efficiency	92 %
Peak intensity	8.2 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.

### MATERIALS:

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