

## ANNA-40-7-M

~20° medium beam with 7 optics

### SPECIFICATION:

Dimensions	Ø 40.0 mm
Height	10.7 mm
Fastening	pin
ROHS compliant	yes ⓘ

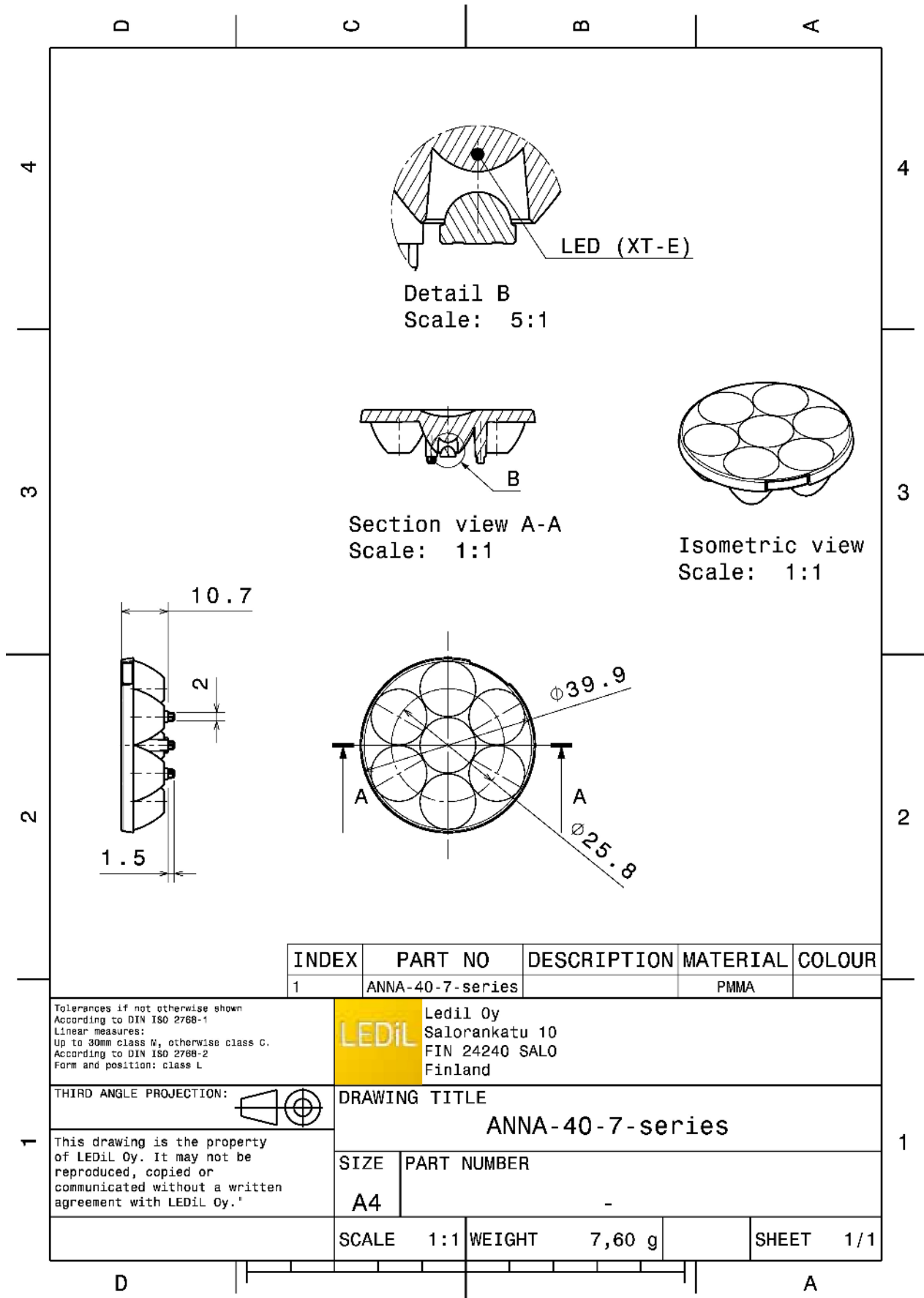
### MATERIALS:

Component	Type	Material	Colour	Finish
ANNA-40-7-M	Multi-lens	PMMA	clear	




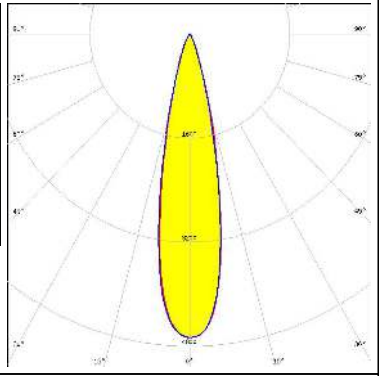

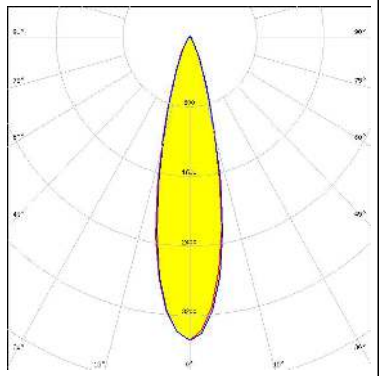

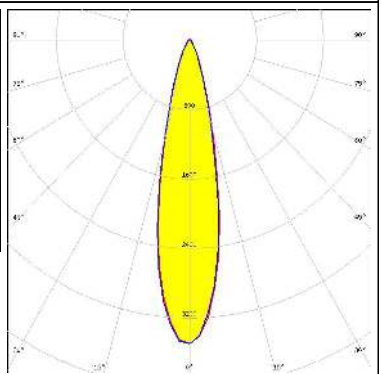
### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13484_ANNA-40-7-M » Box size: 480 x 280 x 300 mm	760	120	40	5.8


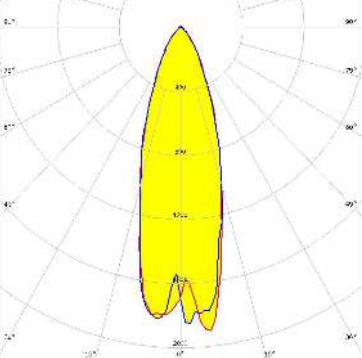

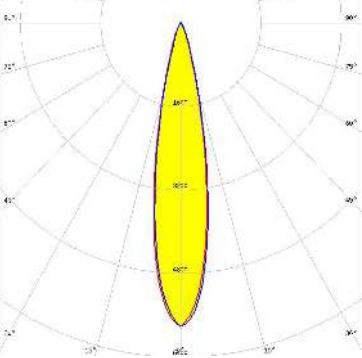

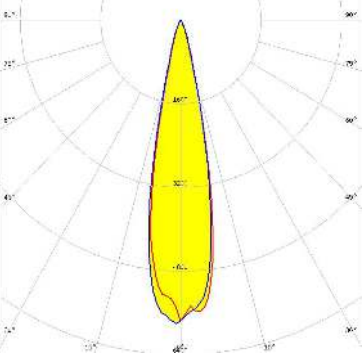

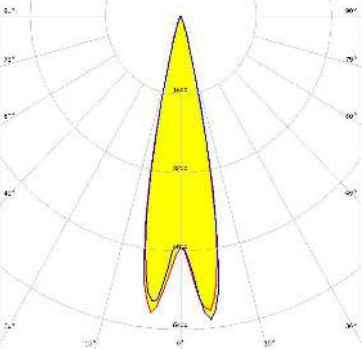


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED: XP-E2            FWHM / FWTM: 23.0° / 41.0°            Efficiency: 87 %            Peak intensity: 4.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED: XP-G2            FWHM / FWTM: 26.0° / 47.0°            Efficiency: 87 %            Peak intensity: 3.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED: XT-E            FWHM / FWTM: 23.0° / 46.0°            Efficiency: 85 %            Peak intensity: 3.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		

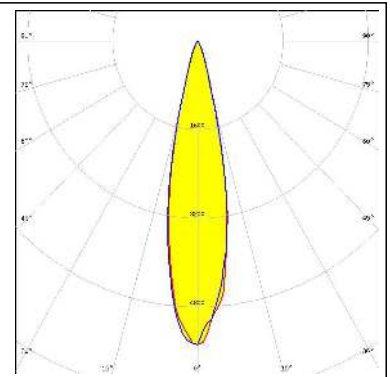
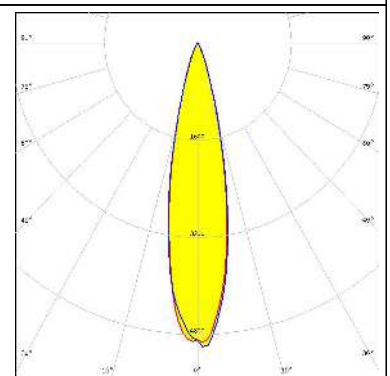
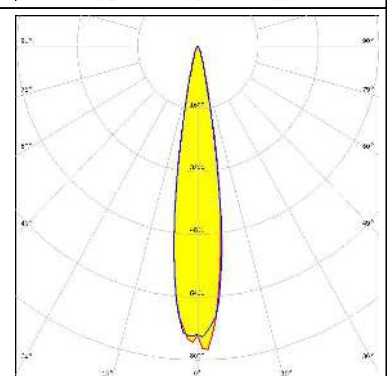
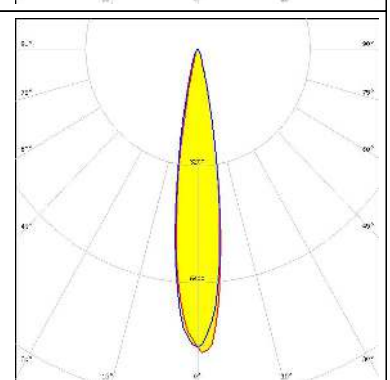
#### OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED SM4            FWHM / FWTM 31.0° / 67.0°            Efficiency 84 %            Peak intensity 1.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p></p> <p>LED J Series 2835            FWHM / FWTM 20.0° / 38.0°            Efficiency 96 %            Peak intensity 5.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p></p> <p>LED XB-D            FWHM / FWTM 22.0° / 35.0°            Efficiency 89 %            Peak intensity 5.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p></p> <p>LED XP-E            FWHM / FWTM 22.0° / 32.0°            Efficiency 92 %            Peak intensity 6.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	


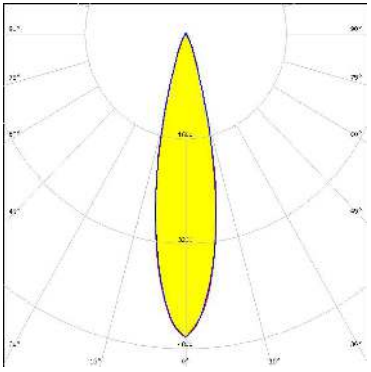

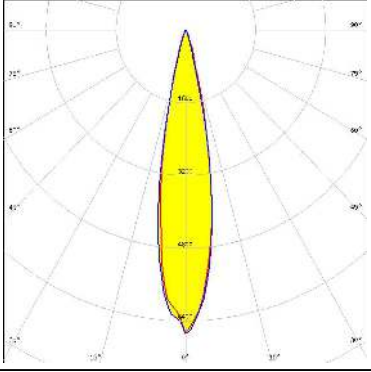

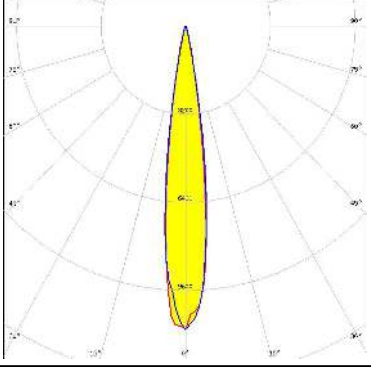

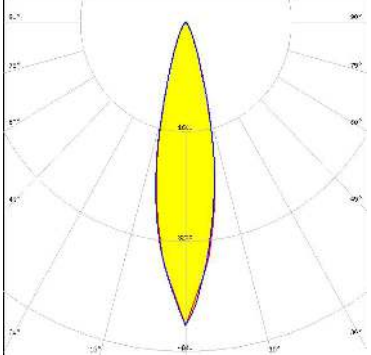
#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED: XP-G            FWHM / FWTM: 26.0° / 40.0°            Efficiency: 91 %            Peak intensity: 4.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED: XP-L HD            FWHM / FWTM: 27.0° / 51.0°            Efficiency: 89 %            Peak intensity: 3.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON HL1Z            FWHM / FWTM: 14.0° / 24.0°            Efficiency: 96 %            Peak intensity: 11.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON PWT            FWHM / FWTM: 13.0° / 23.0°            Efficiency: 88 %            Peak intensity: 14.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON T</p> <p>FWHM / FWTM: 22.0° / 37.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 5.6 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 TX</p> <p>FWHM / FWTM: 23.0° / 41.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 5 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: NCSxx19A</p> <p>FWHM / FWTM: 17.0° / 30.0°</p> <p>Efficiency: 87 %</p> <p>Peak intensity: 7.7 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: NF2x757A</p> <p>FWHM / FWTM: 17.0° / 30.0°</p> <p>Efficiency: 91 %</p> <p>Peak intensity: 8.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

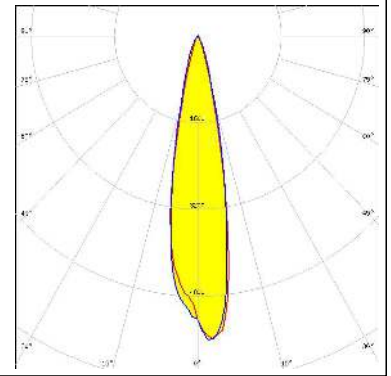
#### OPTICAL RESULTS (SIMULATED):

	<p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 23.0° / 41.0°            Efficiency 92 %            Peak intensity 4.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED OSLO Square EC            FWHM / FWTM 20.0° / 33.0°            Efficiency 91 %            Peak intensity 6.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED SFH 4715S            FWHM / FWTM 15.0° / 25.0°            Efficiency 89 %            Peak intensity 11.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED Z8Y22P            FWHM / FWTM 22.0°            Efficiency 90 %            Peak intensity 4.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

## OPTICAL RESULTS (SIMULATED):

### SHARP

LED	Double Dome (GM2BB)
FWHM / FWTM	20.0° / 37.0°
Efficiency	88 %
Peak intensity	5.8 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:

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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