

## 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 ⓘ

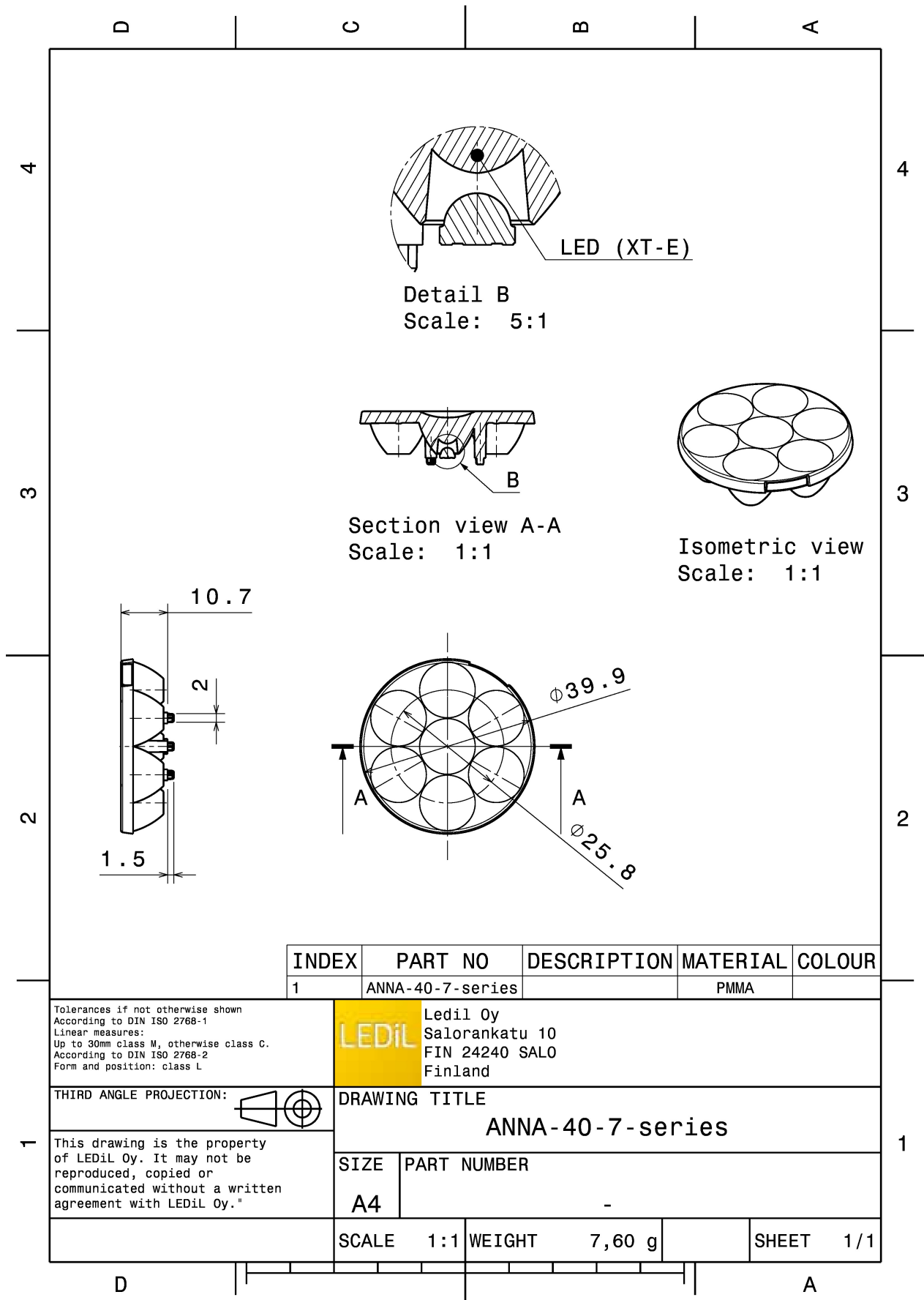
### MATERIALS:

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





INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	ANNA-40-7-series		PMMA	

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL** LediL Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**ANNA-40-7-series**


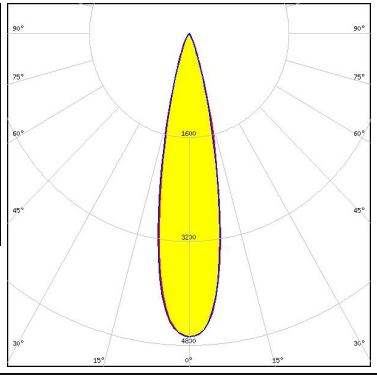

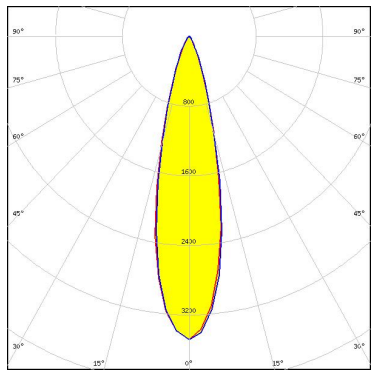

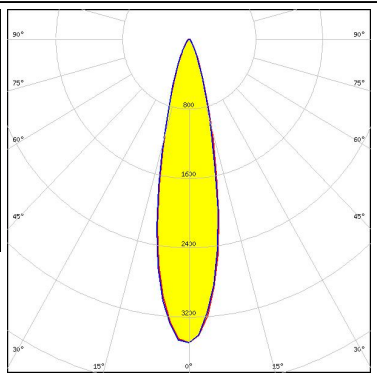
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SIZE	PART NUMBER
A4	-


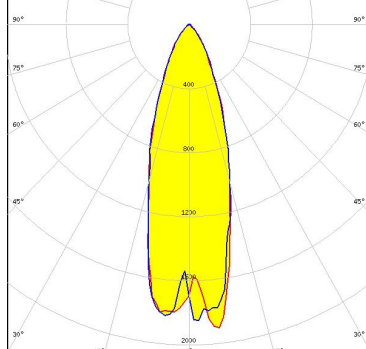

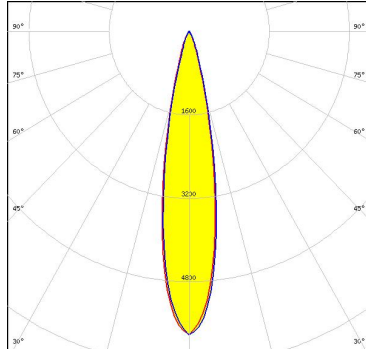

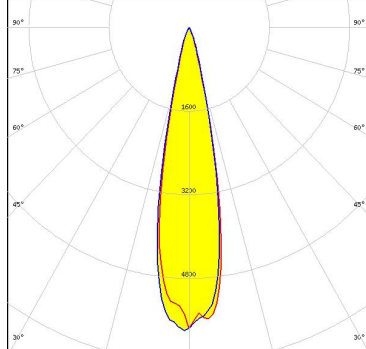

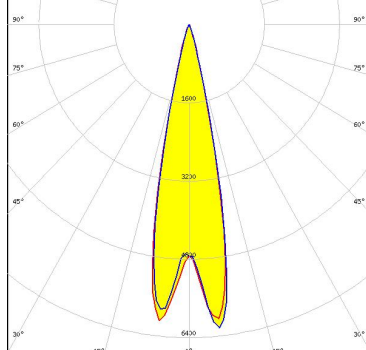
SCALE	1:1	WEIGHT	7,60 g	SHEET	1/1
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See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### 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/m            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/m            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/m            LEDs/each optic    1            Light colour        White            Required components:</p>		

#### OPTICAL RESULTS (SIMULATED):

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

#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LED</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> LED</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>	

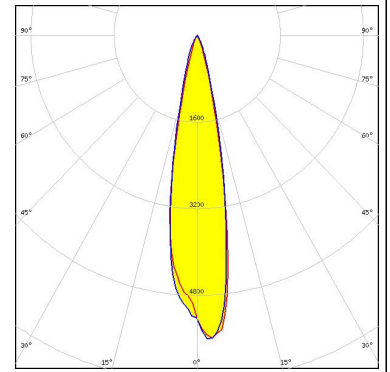
#### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <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><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSLOM 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><b>OSRAM</b> Opto Semiconductors</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><b>SEOUL SEMICONDUCTOR</b></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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