

## ANNA-40-7-S

~15° spot beam with 7 optics

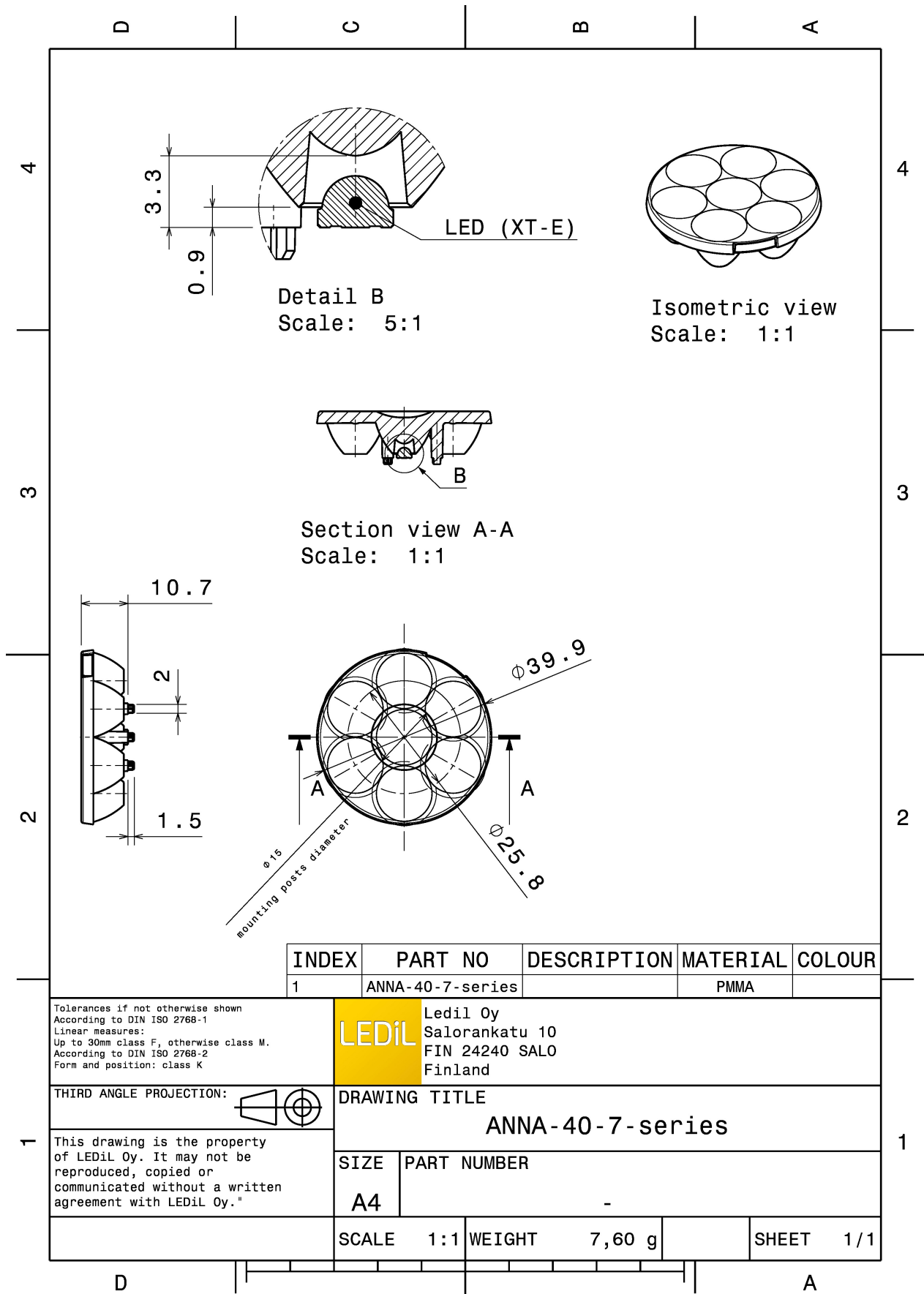
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 40.0 mm
Height	10.7 mm
Fastening	pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.2 kg
Quantity in Box	760 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

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



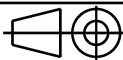
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	ANNA-40-7-series		PMMA	

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



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

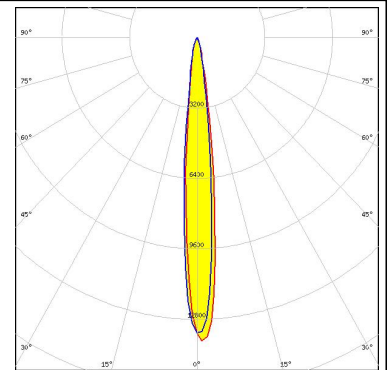
-

SCALE 1:1 WEIGHT 7,60 g SHEET 1/1

#### PHOTOMETRIC DATA (MEASURED):

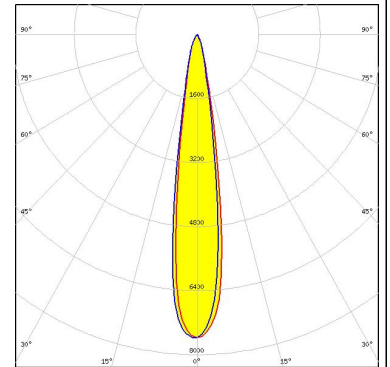
**CREE** 

LED XP-E2  
 FWHM 12.0°  
 Efficiency 87 %  
 Peak intensity 13.831 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



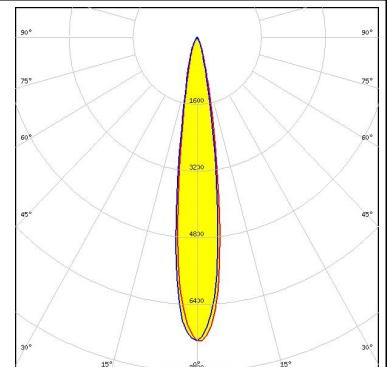
**CREE** 

LED XP-G2  
 FWHM 17.0°  
 Efficiency 91 %  
 Peak intensity 7.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

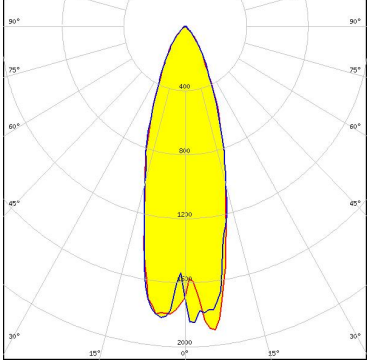
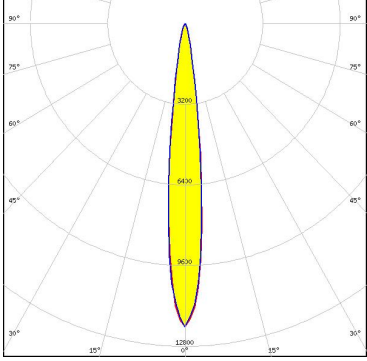
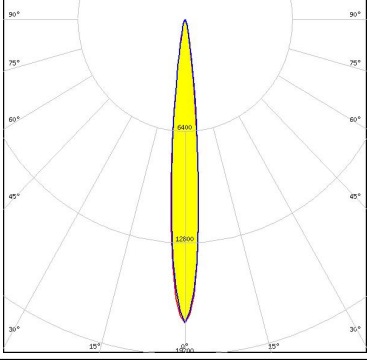
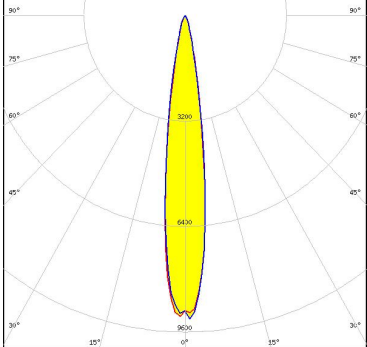


**CREE** 

LED XT-E  
 FWHM 16.0°  
 Efficiency 89 %  
 Peak intensity 7.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



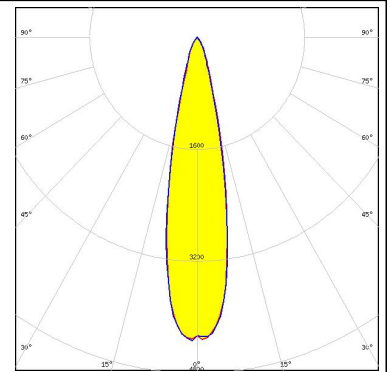
#### PHOTOMETRIC DATA (SIMULATED):

<p><b>bridgelux</b></p> <p>LED SM4            FWHM 33.0°            Efficiency 87 %            Peak intensity 2.104 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b></p> <p>LED XB-D            FWHM 13.0°            Efficiency 90 %            Peak intensity 12.030 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b></p> <p>LED XP-E            FWHM 11.0°            Efficiency 93 %            Peak intensity 17.390 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b></p> <p>LED XP-G            FWHM 15.0°            Efficiency 93 %            Peak intensity 9.337 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

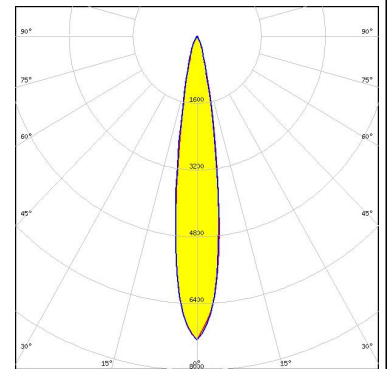
#### PHOTOMETRIC DATA (SIMULATED):



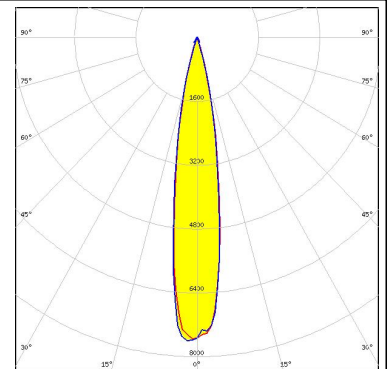
**LED** XP-L HD  
**FWHM** 22.0°  
**Efficiency** 92 %  
**Peak intensity** 4.370 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



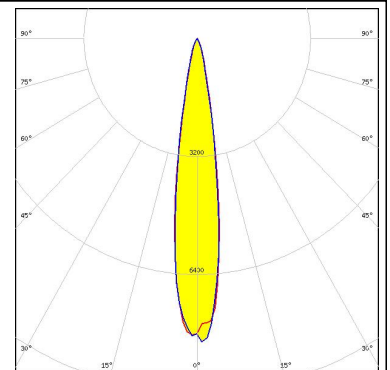
**LED** H35C0 (LEMWA33)  
**FWHM** 16.0°  
**Efficiency** 92 %  
**Peak intensity** 7.270 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** LUXEON PWT  
**FWHM** 17.0°  
**Efficiency** 88 %  
**Peak intensity** 7.630 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



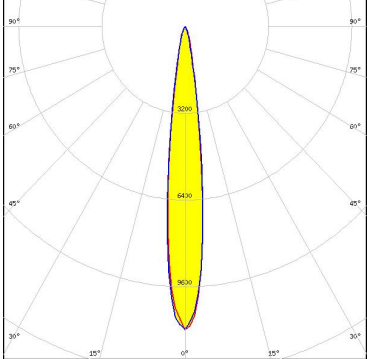
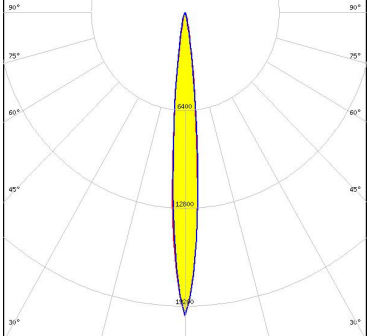
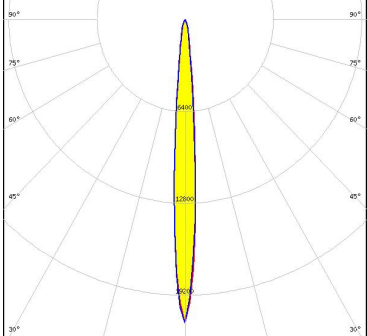
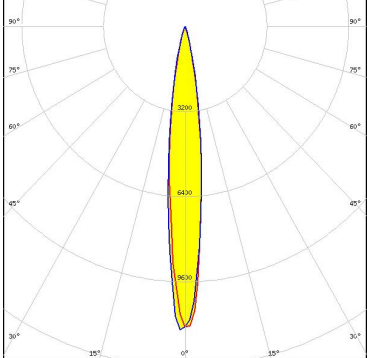
**LED** LUXEON T  
**FWHM** 17.0°  
**Efficiency** 92 %  
**Peak intensity** 8.467 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**




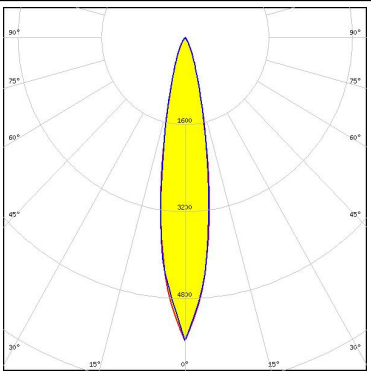
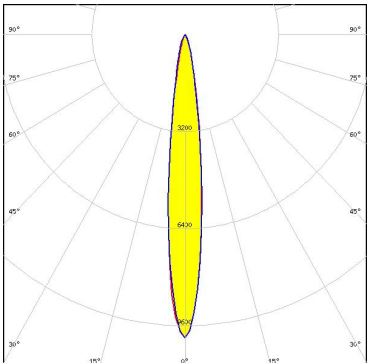
#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON TX            FWHM 15.0°            Efficiency 93 %            Peak intensity 9.400 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NCSxx19A            FWHM 17.0°            Efficiency 87 %            Peak intensity 7.748 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NF2x757A            FWHM 14.0°            Efficiency 92 %            Peak intensity 9.180 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM 18.0°            Efficiency 92 %            Peak intensity 6.270 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square EC            FWHM 13.0°            Efficiency 92 %            Peak intensity 11.210 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON SSL 150            FWHM 10.0°            Efficiency 92 %            Peak intensity 19.840 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON SSL 80            FWHM 8.0°            Efficiency %            Peak intensity 21.130 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED SFH 4715S            FWHM 13.0°            Efficiency 90 %            Peak intensity 11.690 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z8Y22P FWHM 18.0° Efficiency 90 % Peak intensity 5.500 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p><b>SHARP</b></p> <p>LED Double Dome (GM2BB) FWHM 13.0° Efficiency 89 % Peak intensity 10.000 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	



### 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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