

## ANNA-40-7-S

~15° spot beam with 7 optics

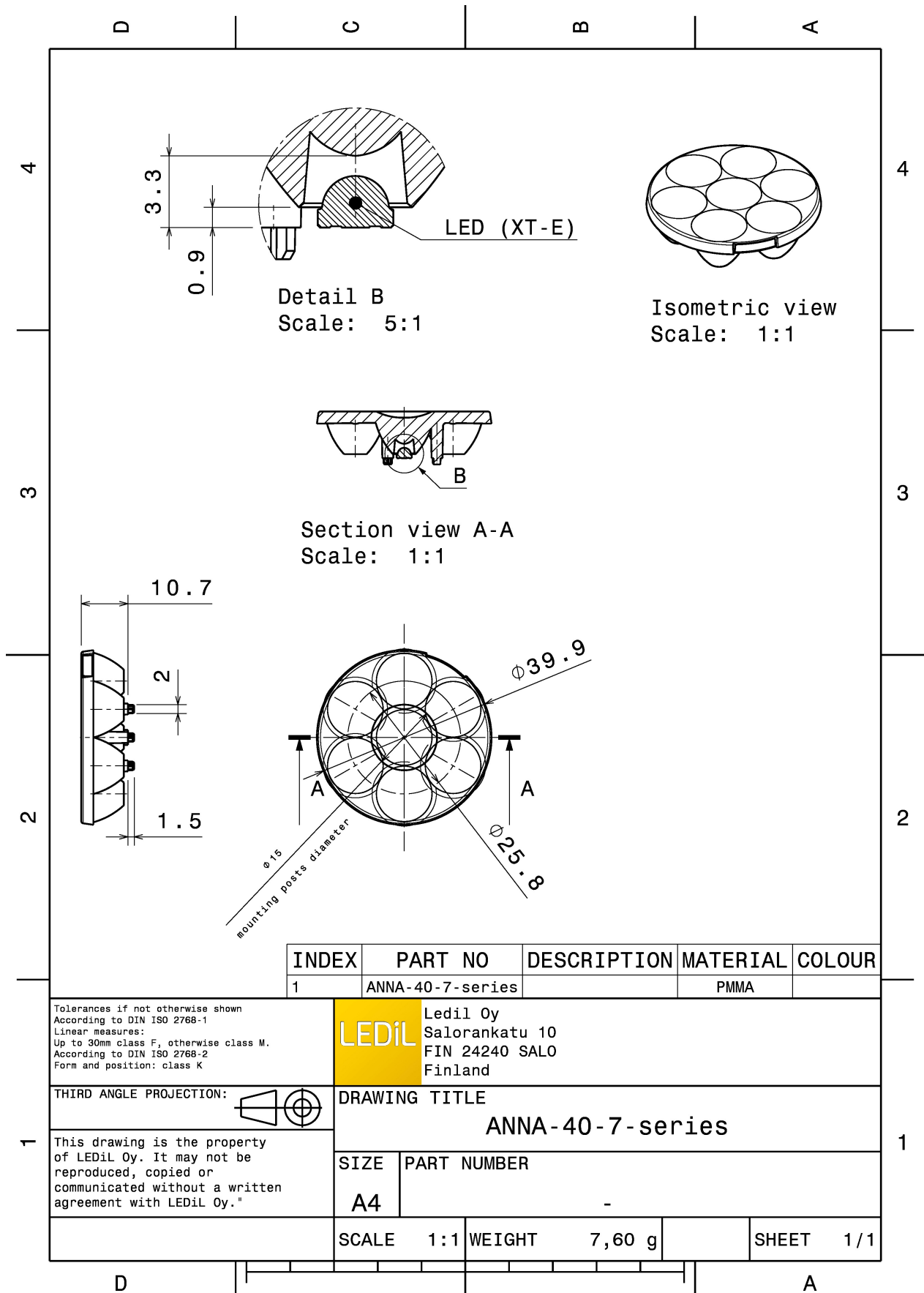
### TECHNICAL SPECIFICATIONS:

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	Lens array	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

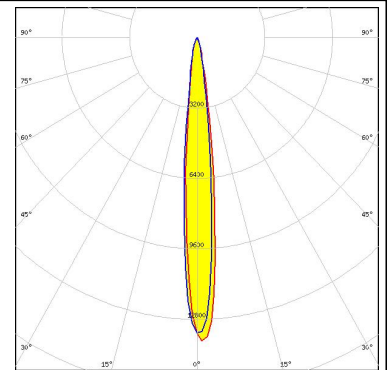
WEIGHT 7,60 g

SHEET 1/1

### PHOTOMETRIC DATA (MEASURED):

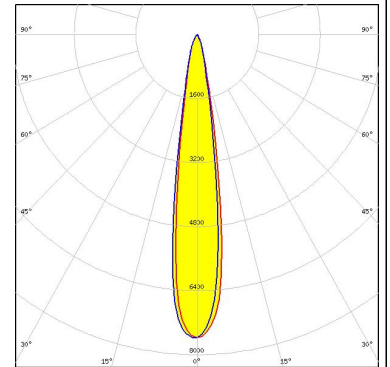
**CREE** 

LED XP-E2  
FWHM 12.0°  
Efficiency 87 %  
Peak intensity 13.831 cd/lm  
Required components:



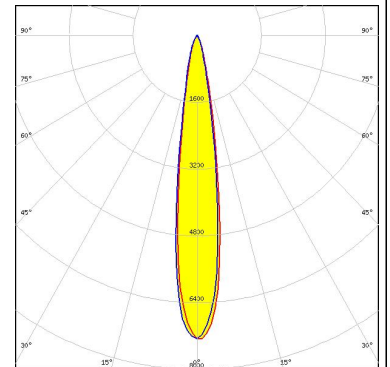
**CREE** 

LED XP-G2  
FWHM 17.0°  
Efficiency 91 %  
Peak intensity 7.600 cd/lm  
Required components:



**CREE** 

LED XT-E  
FWHM 16.0°  
Efficiency 89 %  
Peak intensity 7.300 cd/lm  
Required components:



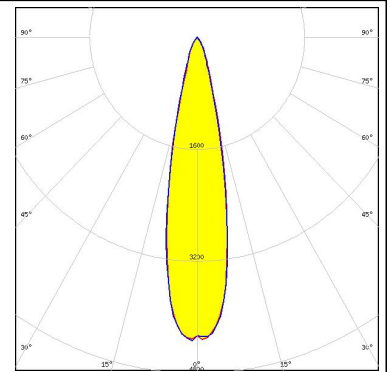
#### PHOTOMETRIC DATA (SIMULATED):

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

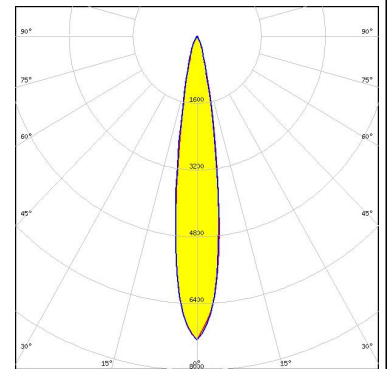
#### PHOTOMETRIC DATA (SIMULATED):



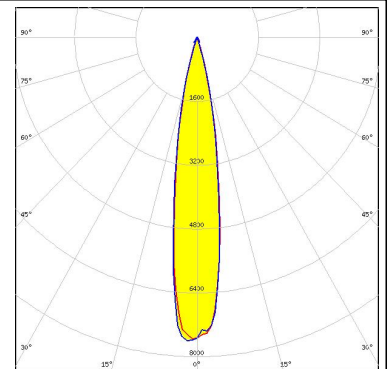
LED XP-L  
 FWHM 22.0°  
 Efficiency 92 %  
 Peak intensity 4.370 cd/lm  
 Required components:



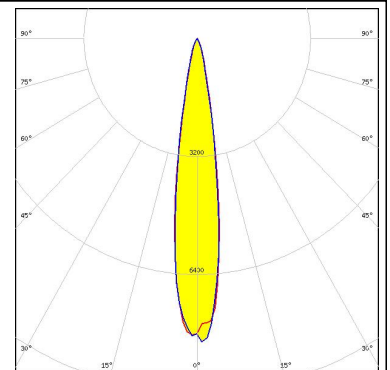
LED H35C0 (LEMWA33)  
 FWHM 16.0°  
 Efficiency 92 %  
 Peak intensity 7.270 cd/lm  
 Required components:



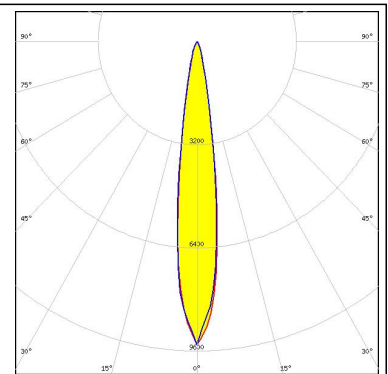
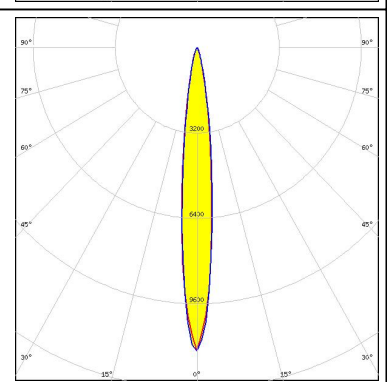
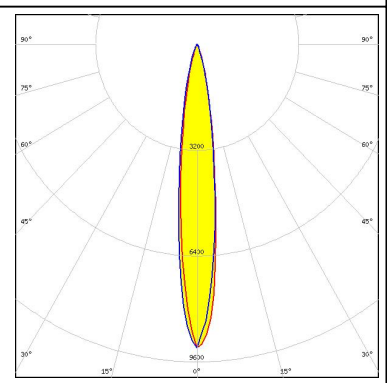
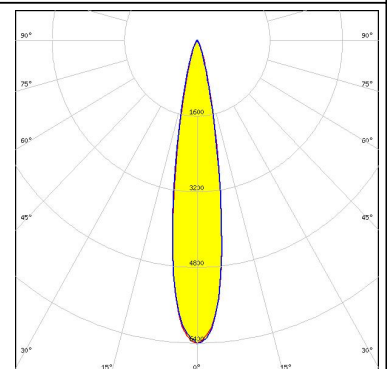
LED LUXEON PWT  
 FWHM 17.0°  
 Efficiency 88 %  
 Peak intensity 7.630 cd/lm  
 Required components:



LED LUXEON T  
 FWHM 17.0°  
 Efficiency 92 %  
 Peak intensity 8.467 cd/lm  
 Required components:



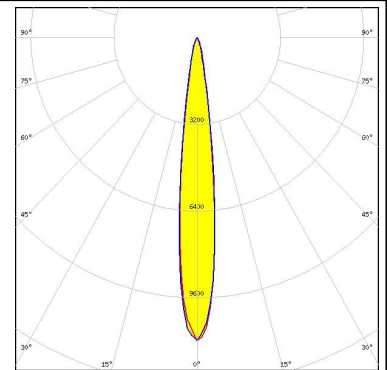
### PHOTOMETRIC DATA (SIMULATED):

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

**PHOTOMETRIC DATA (SIMULATED):**

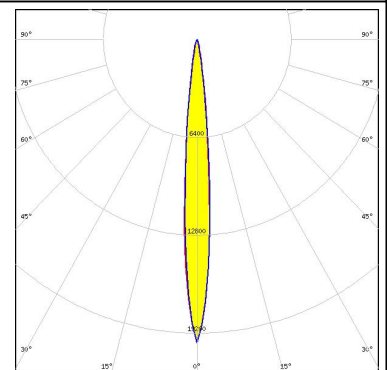
**OSRAM**  
Opto Semiconductors

LED Oslon Square EC  
FWHM 13.0°  
Efficiency 92 %  
Peak intensity 11.210 cd/lm  
Required components:



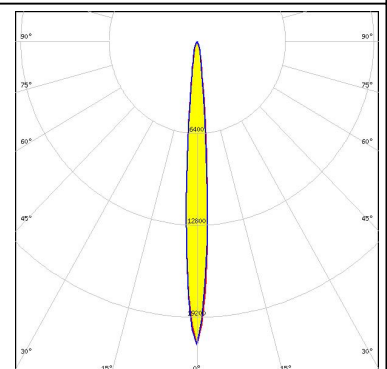
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 150  
FWHM 10.0°  
Efficiency 92 %  
Peak intensity 19.840 cd/lm  
Required components:



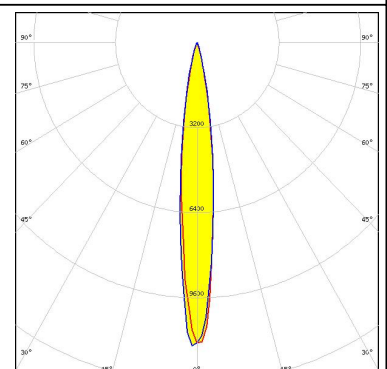
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 80  
FWHM 8.0°  
Efficiency %  
Peak intensity 21.130 cd/lm  
Required components:


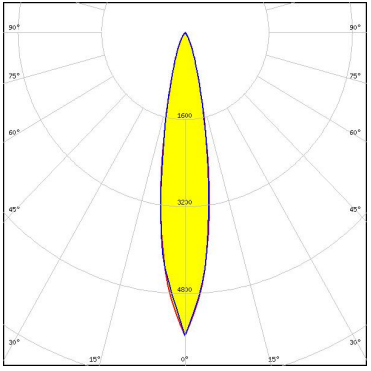
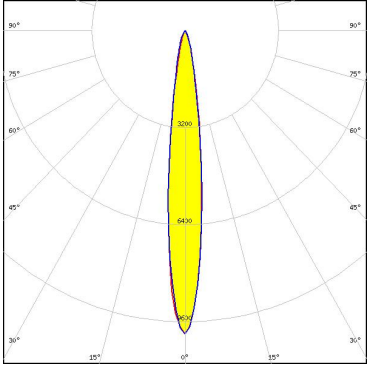


**OSRAM**  
Opto Semiconductors

LED SFH 4715S  
FWHM 13.0°  
Efficiency 90 %  
Peak intensity 11.690 cd/lm  
Required components:



### PHOTOMETRIC DATA (SIMULATED):

 SEOUL SEMICONDUCTOR		
LED	Z8Y22P	
FWHM	18.0°	
Efficiency	90 %	
Peak intensity	5.500 cd/m	
Required components:		
<b>SHARP</b>		
LED	Double Dome (GM2BB)	
FWHM	13.0°	
Efficiency	89 %	
Peak intensity	10.000 cd/m	
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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