


## ANNA-40-7-S

~15° spot beam with 7 optics

### TECHNICAL SPECIFICATIONS:

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

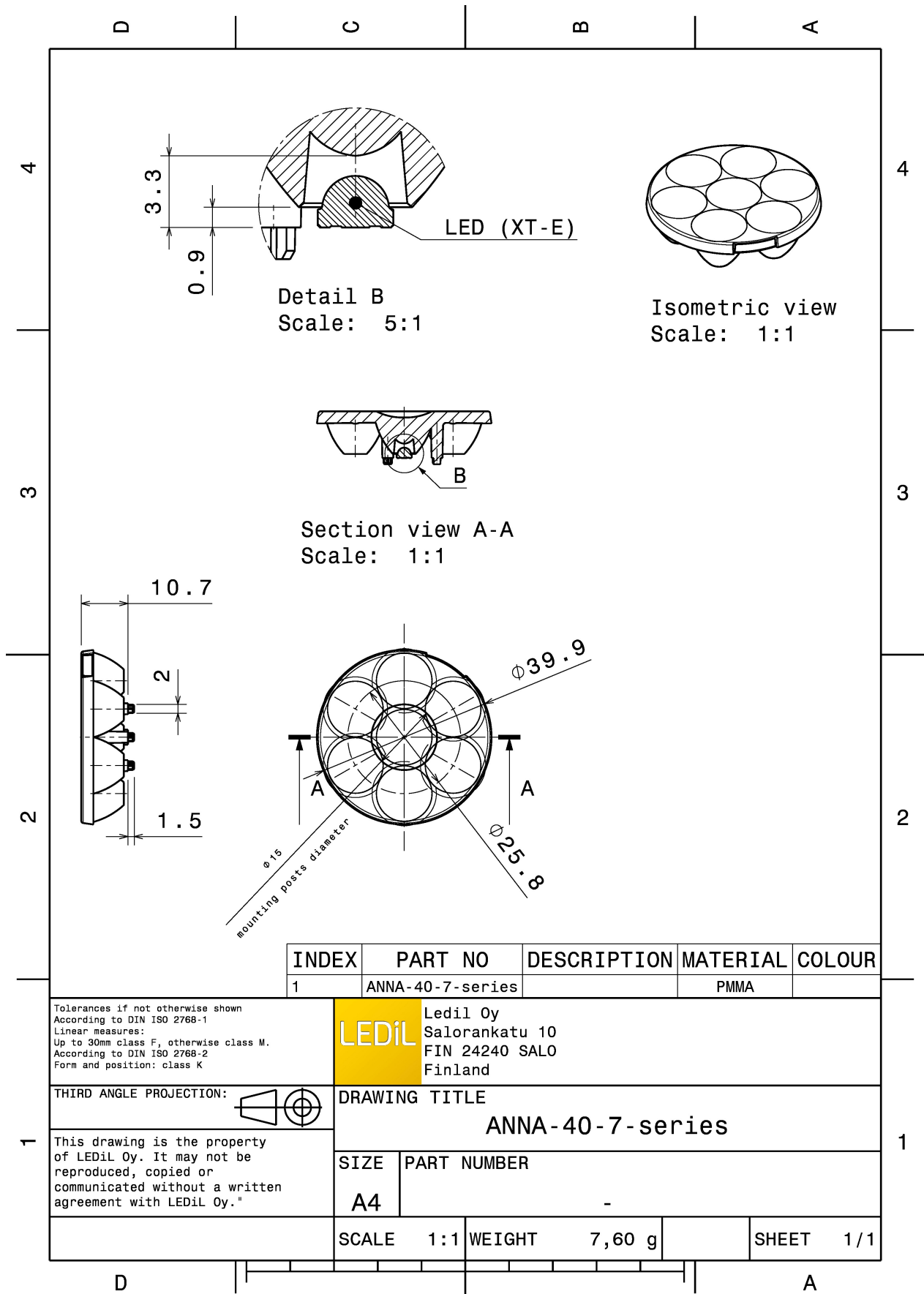
### MATERIAL SPECIFICATIONS:

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



### ORDERING INFORMATION:

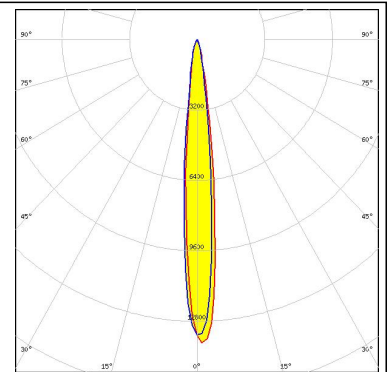
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13483_ANNA-40-7-S » Box size: 480 x 280 x 300 mm	760	120	40	8.2



### PHOTOMETRIC DATA (MEASURED):

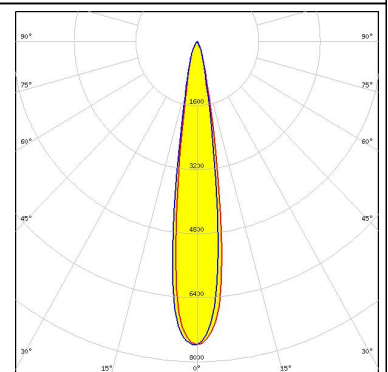
**CREE** 

LED XP-E2  
FWHM 12.0°  
Efficiency 87 %  
Peak intensity 13.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



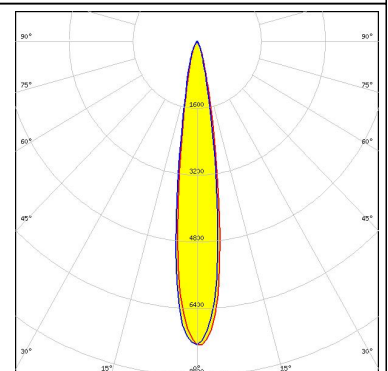
**CREE** 

LED XP-G2  
FWHM 17.0°  
Efficiency 91 %  
Peak intensity 7.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**CREE** 

LED XT-E  
FWHM 16.0°  
Efficiency 89 %  
Peak intensity 7.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



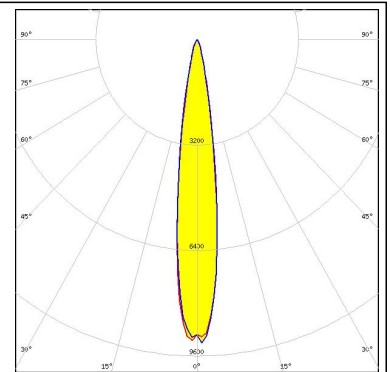
#### PHOTOMETRIC DATA (SIMULATED):

<p>bridgelux</p> <p>LED SM4            FWHM 33.0°            Efficiency 87 %            Peak intensity 2.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b></p> <p>LED J Series 2835            FWHM 14.0°            Efficiency 96 %            Peak intensity 9.1 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 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 17.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

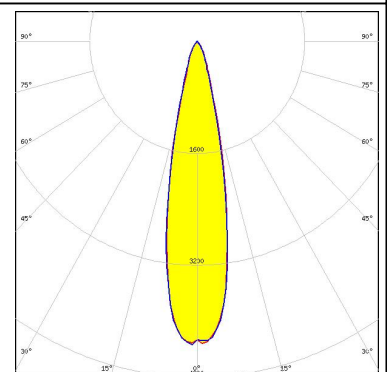
#### PHOTOMETRIC DATA (SIMULATED):



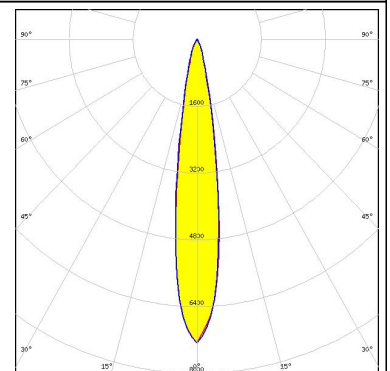
LED XP-G  
 FWHM 15.0°  
 Efficiency 93 %  
 Peak intensity 9.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



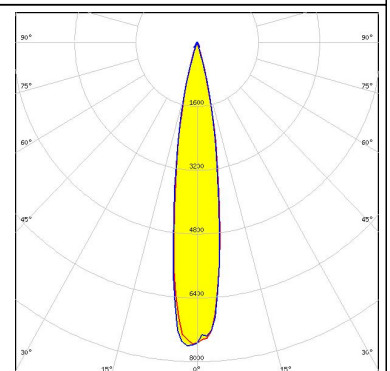
LED XP-L HD  
 FWHM 22.0°  
 Efficiency 92 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



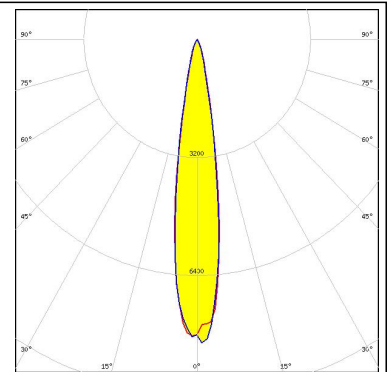
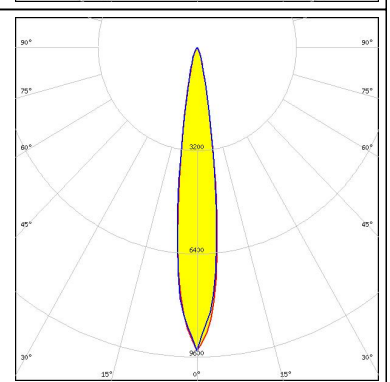
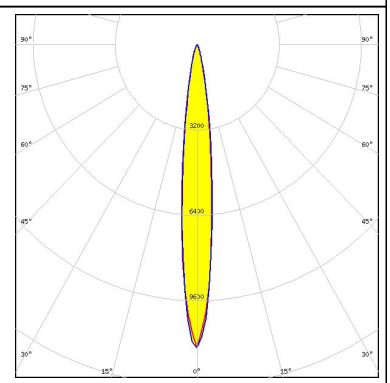
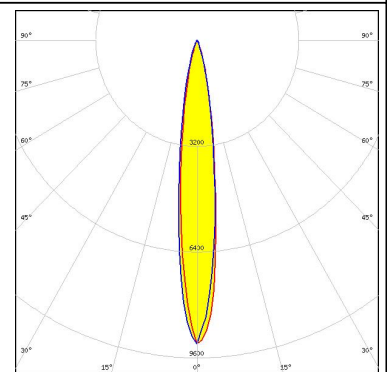
LED H35C0 (LEMWA33)  
 FWHM 16.0°  
 Efficiency 92 %  
 Peak intensity 7.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



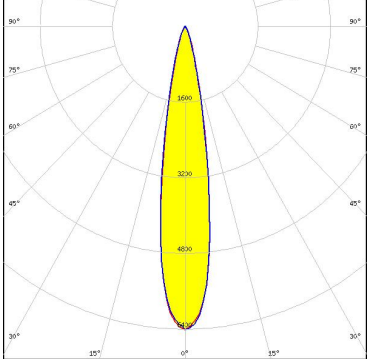
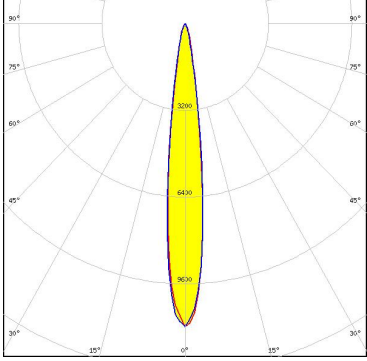
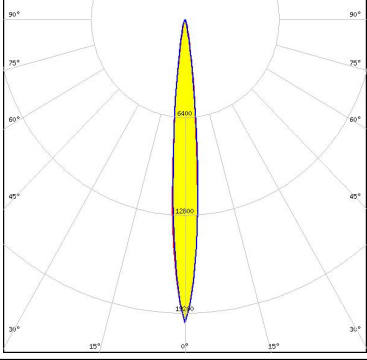
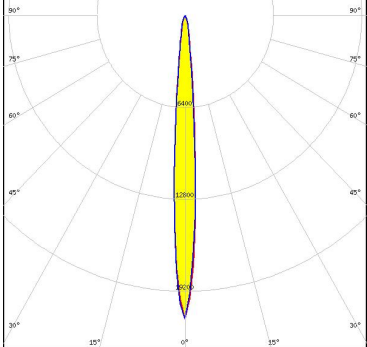
LED LUXEON PWT  
 FWHM 17.0°  
 Efficiency 88 %  
 Peak intensity 7.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON T            FWHM: 17.0°            Efficiency: 92 %            Peak intensity: 8.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON TX            FWHM: 15.0°            Efficiency: 93 %            Peak intensity: 9.4 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: 7.7 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: 9.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

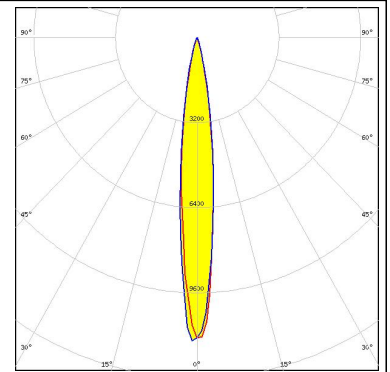
<p><b>NICHIA</b></p> <p>LED: NVSxx19B/NVSxx19C            FWHM: 18.0°            Efficiency: 92 %            Peak intensity: 6.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSOLON Square EC            FWHM: 13.0°            Efficiency: 92 %            Peak intensity: 11.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSOLON SSL 150            FWHM: 10.0°            Efficiency: 92 %            Peak intensity: 19.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSOLON SSL 80            FWHM: 8.0°            Efficiency: %            Peak intensity: 21.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Opto Semiconductors

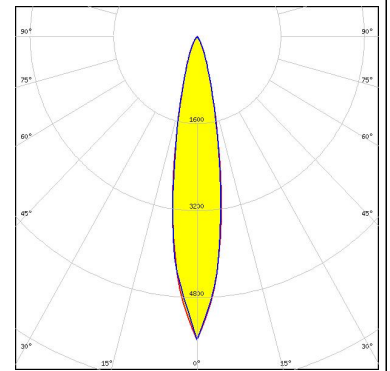
LED SFH 4715S  
 FWHM 13.0°  
 Efficiency 90 %  
 Peak intensity 11.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SEKUL

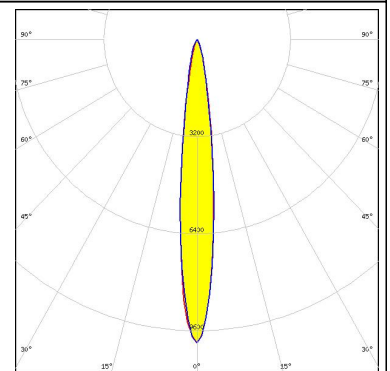
SEOUL SEMICONDUCTOR

LED Z8Y22P  
 FWHM 18.0°  
 Efficiency 90 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SHARP

LED Double Dome (GM2BB)  
 FWHM 13.0°  
 Efficiency 89 %  
 Peak intensity 10 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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