

## ANNA-50-7-M

~20° medium beam with 7 optics

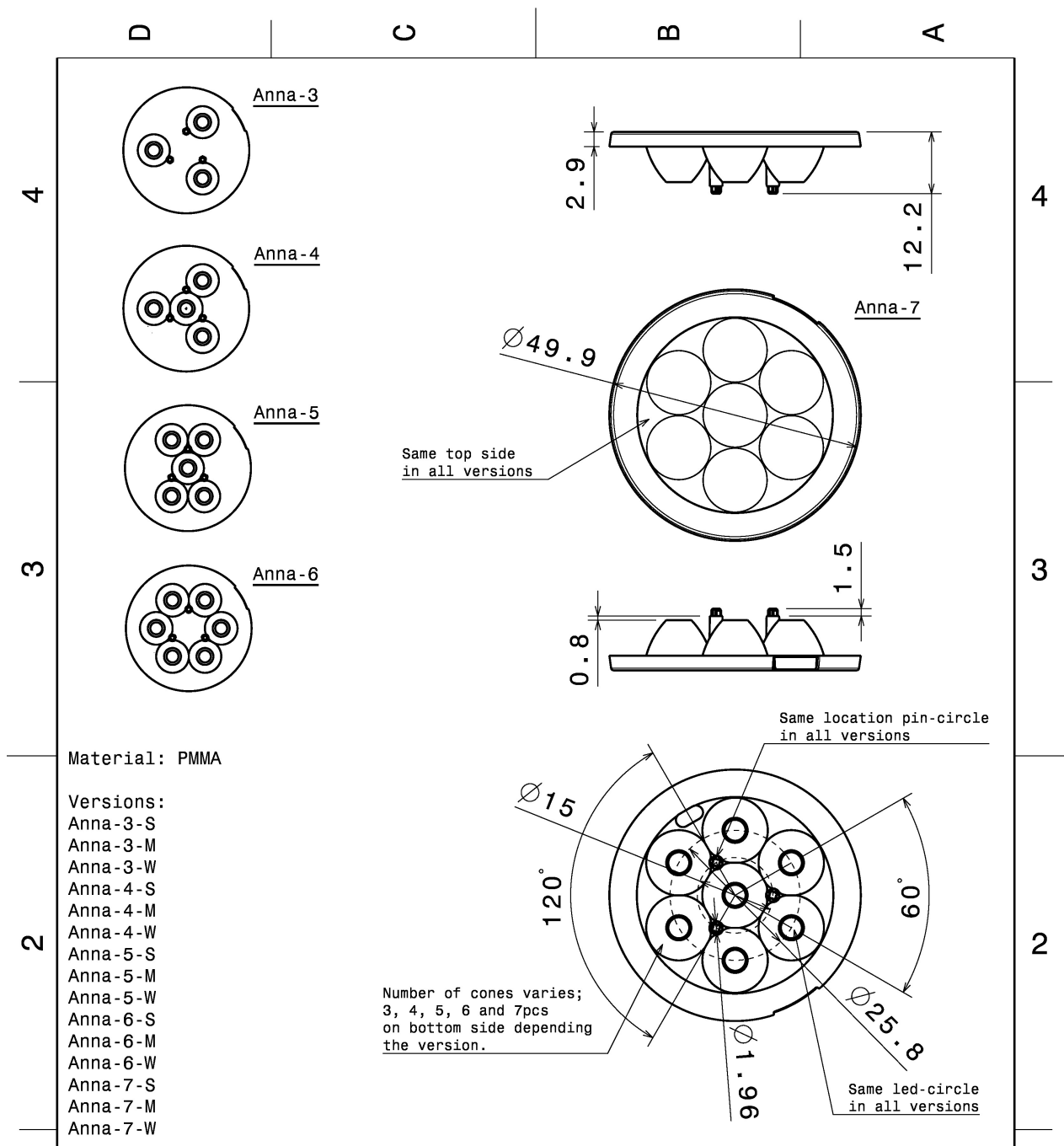
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	10.7 mm
Fastening	pin, glue
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	7.1 kg
Quantity in Box	512 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
ANNA-50-7-M	Multi-lens	PMMA	clear



This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>LEDiL</b> L T F F e e i n n d	
DRAWN BY p		DATE 05.10.2010	
CHECKED BY i k		DATE 03.08.2010	
DESIGNED BY hh		DATE 30.07.2010	
DRAWING TITLE <b>Datasheet Anna50-series Lens</b>		SIZE <b>A4</b>	DRAWING NUMBER -
SCALE 1:1		WEIGHT (g)	SHEET 1/1
REV 1			

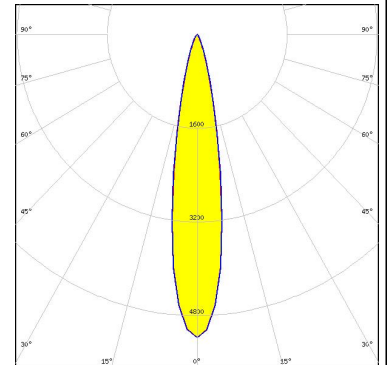
**PHOTOMETRIC DATA (MEASURED):**

**CREE** 

LED XB-D  
FWHM 22.0°  
Efficiency 87 %  
Peak intensity 3.450 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

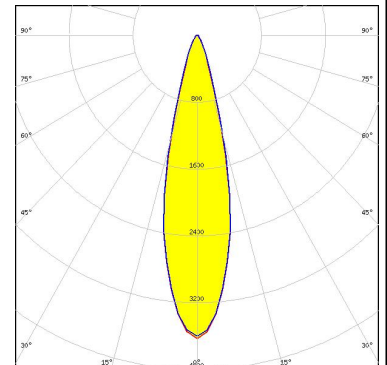
**CREE** 

LED XP-E  
FWHM 19.0°  
Efficiency 91 %  
Peak intensity 5.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



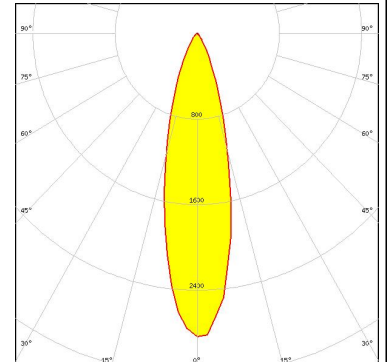
**CREE** 

LED XP-G  
FWHM 25.0°  
Efficiency 91 %  
Peak intensity 3.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



 **LUMILEDS**

LED LUXEON A  
FWHM 26.0°  
Efficiency 84 %  
Peak intensity 2.840 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



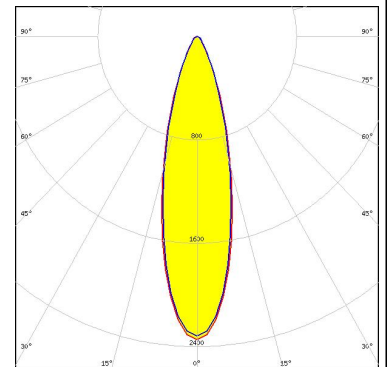
### PHOTOMETRIC DATA (MEASURED):

#### LUMILEDS

LED LUXEON Rebel  
FWHM 18.0°  
Efficiency 87 %  
Peak intensity 5.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### LUMILEDS

LED LUXEON Rebel ES  
FWHM 27.0°  
Efficiency 87 %  
Peak intensity 2.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

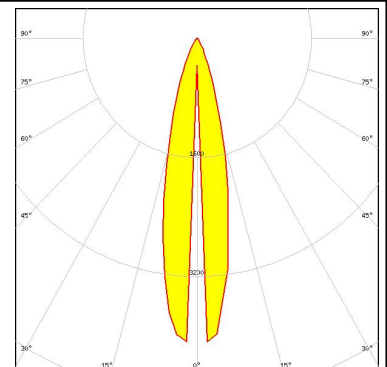


#### NICHIA

LED NCSxx19A  
FWHM 23.0°  
Efficiency 89 %  
Peak intensity 3.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### NICHIA

LED NF2x757A  
FWHM 20.0°  
Efficiency 90 %  
Peak intensity 4.080 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

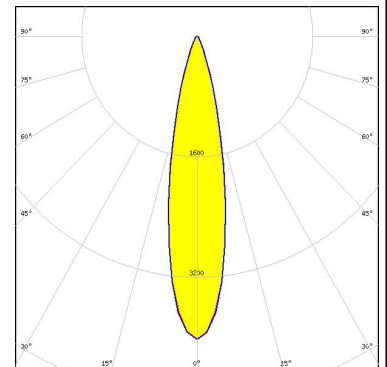


LED NVSxx19A  
FWHM 25.0°  
Efficiency 89 %  
Peak intensity 2.900 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



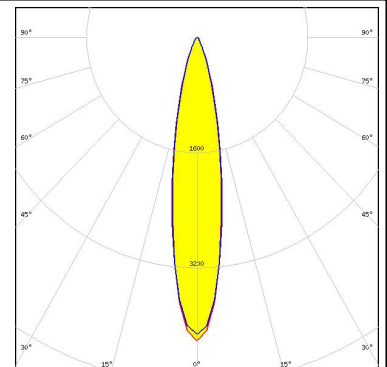
Osram Semiconductors

LED OSOLON SSL 150  
FWHM 22.0°  
Efficiency 89 %  
Peak intensity 4.000 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



Osram Semiconductors

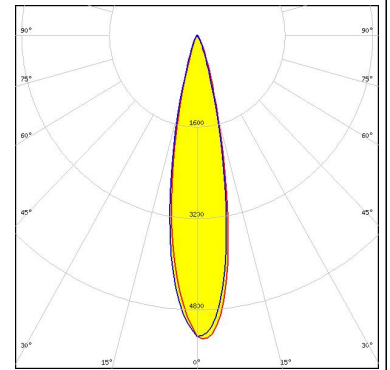
LED OSOLON SSL 80  
FWHM 20.0°  
Efficiency 88 %  
Peak intensity 4.200 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (SIMULATED):

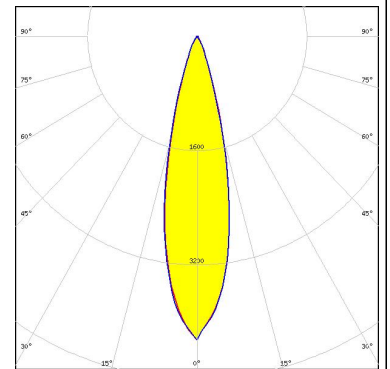
#### LG Innotek

LED LG 3030  
FWHM 21.5°  
Efficiency 94 %  
Peak intensity 5.320 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### NICHIA

LED NVSxx19B/NVSxx19C  
FWHM 25.0°  
Efficiency 95 %  
Peak intensity 4.251 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z5  
FWHM 23.0°  
Efficiency %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### **SHARP**

LED Double Dome (GM2BB)  
FWHM 24.0°  
Efficiency %  
Peak intensity 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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)