

## ANNA-50-6-M

~20° medium beam with 6 optics

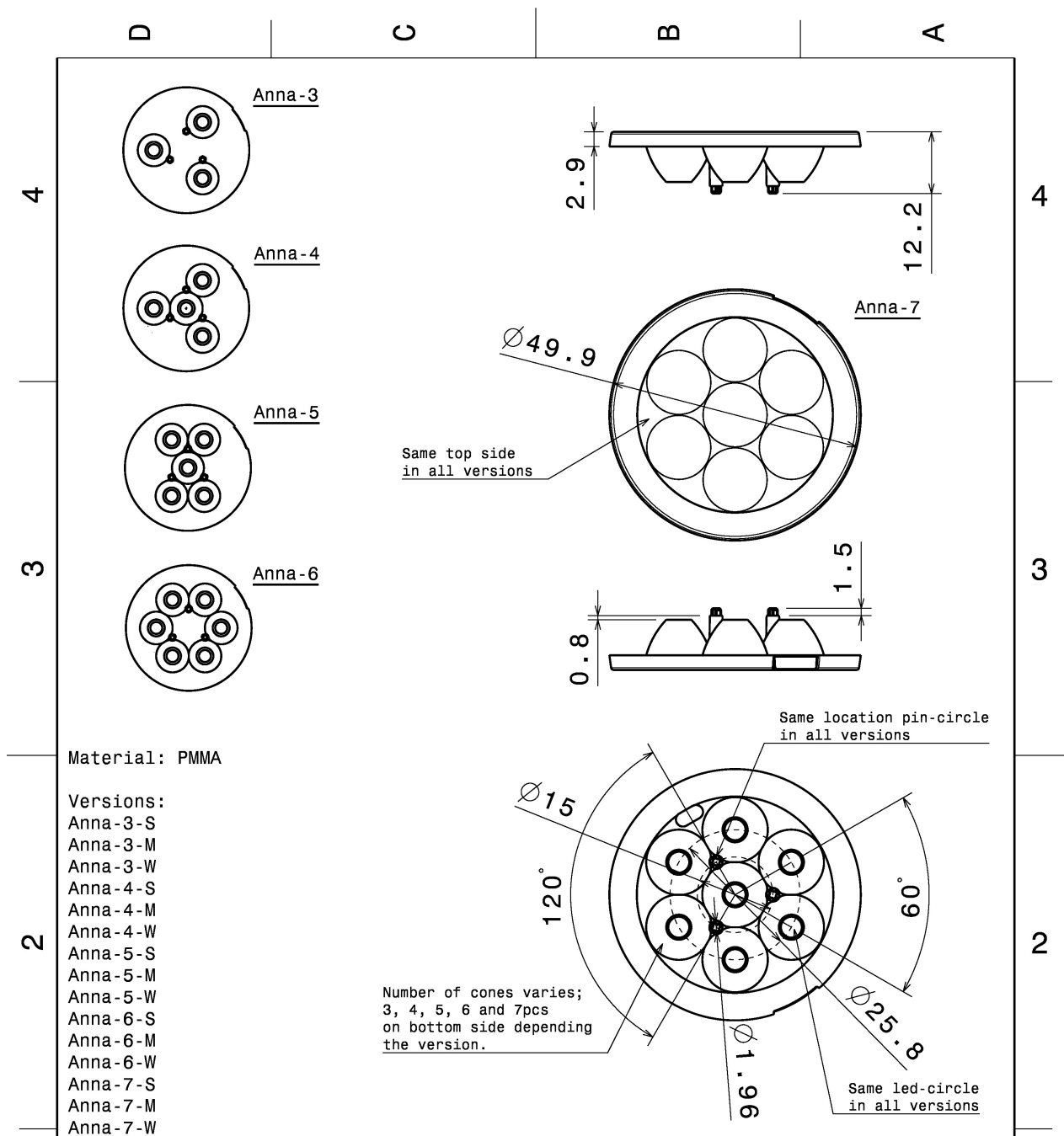
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	10.7 mm
Fastening	glue, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	6.5 kg
Quantity in Box	512 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
ANNA-50-6-M	Lens array	PMMA	clear



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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			

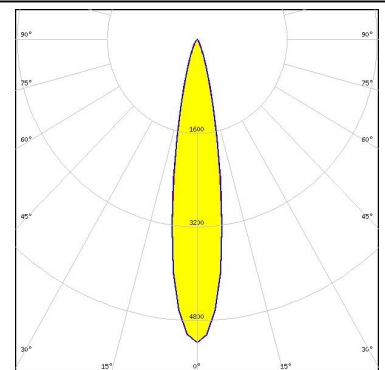
### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XB-D  
FWHM 22.0°  
Efficiency 87 %  
Peak intensity 3.450 cd/lm  
Required components:

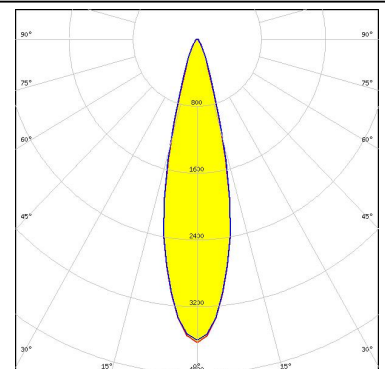
#### CREE

LED XP-E  
FWHM 19.0°  
Efficiency 91 %  
Peak intensity 5.200 cd/lm  
Required components:



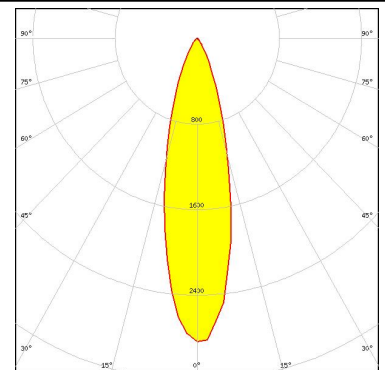
#### CREE

LED XP-G  
FWHM 25.0°  
Efficiency 91 %  
Peak intensity 3.600 cd/lm  
Required components:



#### LUMILEDS

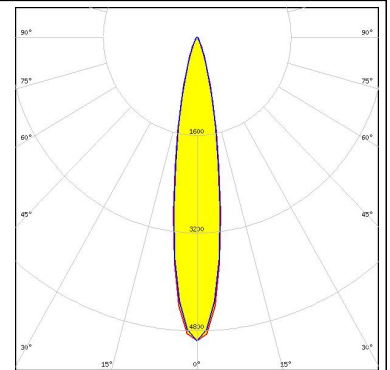
LED LUXEON A  
FWHM 26.0°  
Efficiency 84 %  
Peak intensity 2.840 cd/lm  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

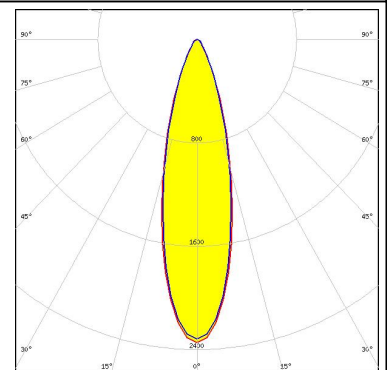
##### LUMILEDS

LED LUXEON Rebel  
FWHM 18.0°  
Efficiency 87 %  
Peak intensity 5.000 cd/lm  
Required components:



##### LUMILEDS

LED LUXEON Rebel ES  
FWHM 27.0°  
Efficiency 87 %  
Peak intensity 2.300 cd/lm  
Required components:

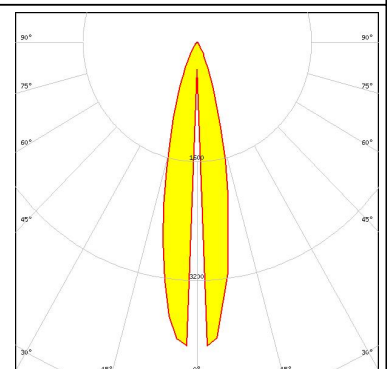


##### NICHIA

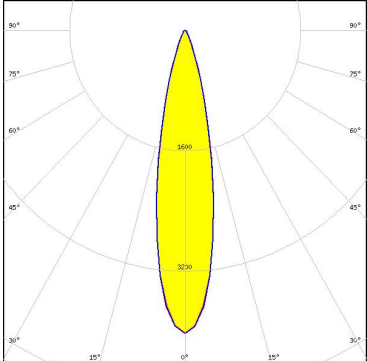
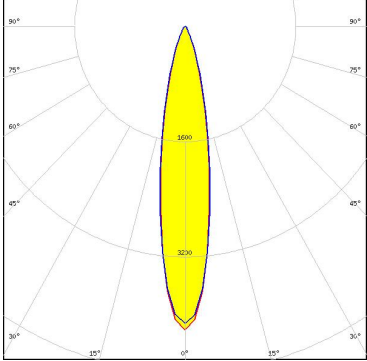
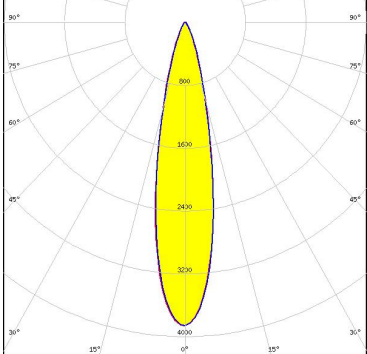
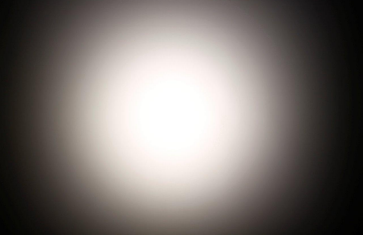
LED NCSxx19A  
FWHM 23.0°  
Efficiency 89 %  
Peak intensity 3.200 cd/lm  
Required components:

##### NICHIA

LED NF2x757A  
FWHM 20.0°  
Efficiency 90 %  
Peak intensity 4.080 cd/lm  
Required components:



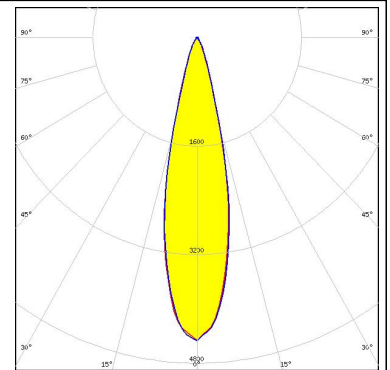
**PHOTOMETRIC DATA (MEASURED):**

<p><b>NICHIA</b></p> <p>LED NVSxx19A FWHM 25.0° Efficiency 89 % Peak intensity 2.900 cd/lm Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Oslon SSL 150 FWHM 22.0° Efficiency 89 % Peak intensity 4.000 cd/lm Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Oslon SSL 80 FWHM 20.0° Efficiency 88 % Peak intensity 4.200 cd/lm Required components:</p>	
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z5M FWHM 23.0° Efficiency 88 % Peak intensity 3.900 cd/lm Required components:</p>	 

### PHOTOMETRIC DATA (SIMULATED):



LED NVSxx19B/NVSxx19C  
FWHM 23.0°  
Efficiency 89 %  
Peak intensity 4.700 cd/lm  
Required components:



### SHARP

LED Double Dome (GM2BB)  
FWHM 24.0°  
Efficiency %  
Peak intensity cd/lm  
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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