

## ANNA-40-4-M

~20° medium beam with 4 optics

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 40.0 mm
Height	10.7 mm
Fastening	glue, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	5.7 kg
Quantity in Box	760 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
ANNA-40-4-M	Multi-lens	PMMA	clear

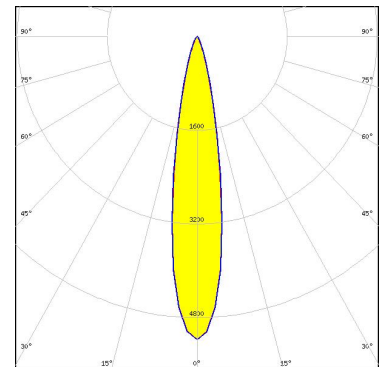
### PHOTOMETRIC DATA (MEASURED):

#### CREE

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

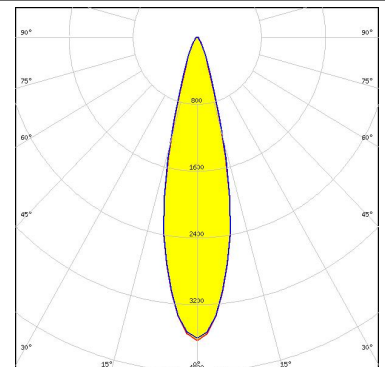
#### CREE

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



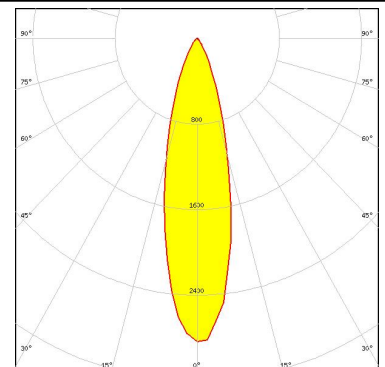
#### CREE

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



#### LUMILEDS

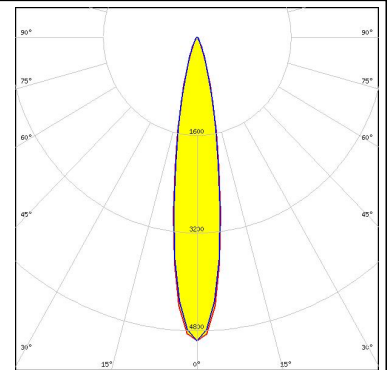
LED LUXEON A  
 FWHM 26.0°  
 Efficiency 84 %  
 Peak intensity 2.840 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

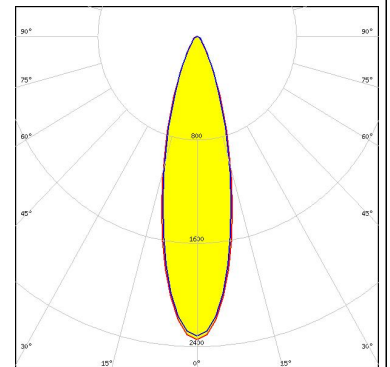
#### LUMILEDS

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:

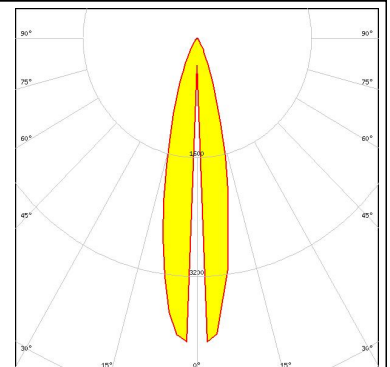


#### NICHIA

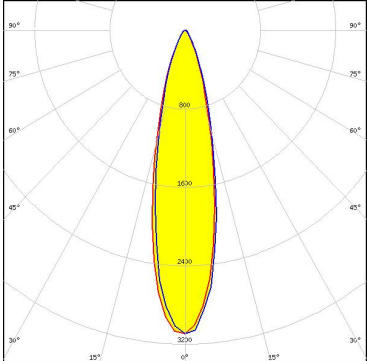
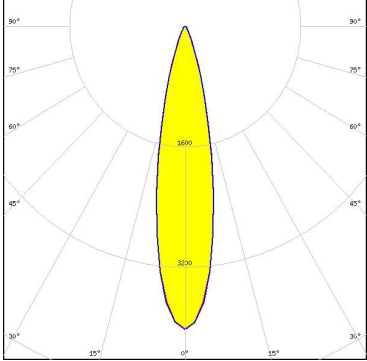
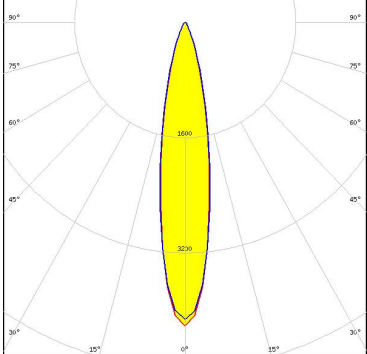
LED NCSxx19A  
FWHM 23.0°  
Efficiency 89 %  
Peak intensity 3.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### 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):**

<p><b>NICHIA</b></p> <p>LED NVSxx19A            FWHM 25.0°            Efficiency 89 %            Peak intensity 2.900 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S5 (2 chip)            FWHM 25.0°            Efficiency 85 %            Peak intensity 3.100 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 22.0°            Efficiency 89 %            Peak intensity 4.000 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 20.0°            Efficiency 88 %            Peak intensity 4.200 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

## PHOTOMETRIC DATA (SIMULATED):

	
SEOUL SEMICONDUCTOR	
LED	Z5
FWHM	23.0°
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
<b>SHARP</b>	
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:

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