


## MELODY-4-S

~12° spot beam with 3 optics

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.6 mm
Height	11.9 mm
Fastening	pin
ROHS compliant	yes 

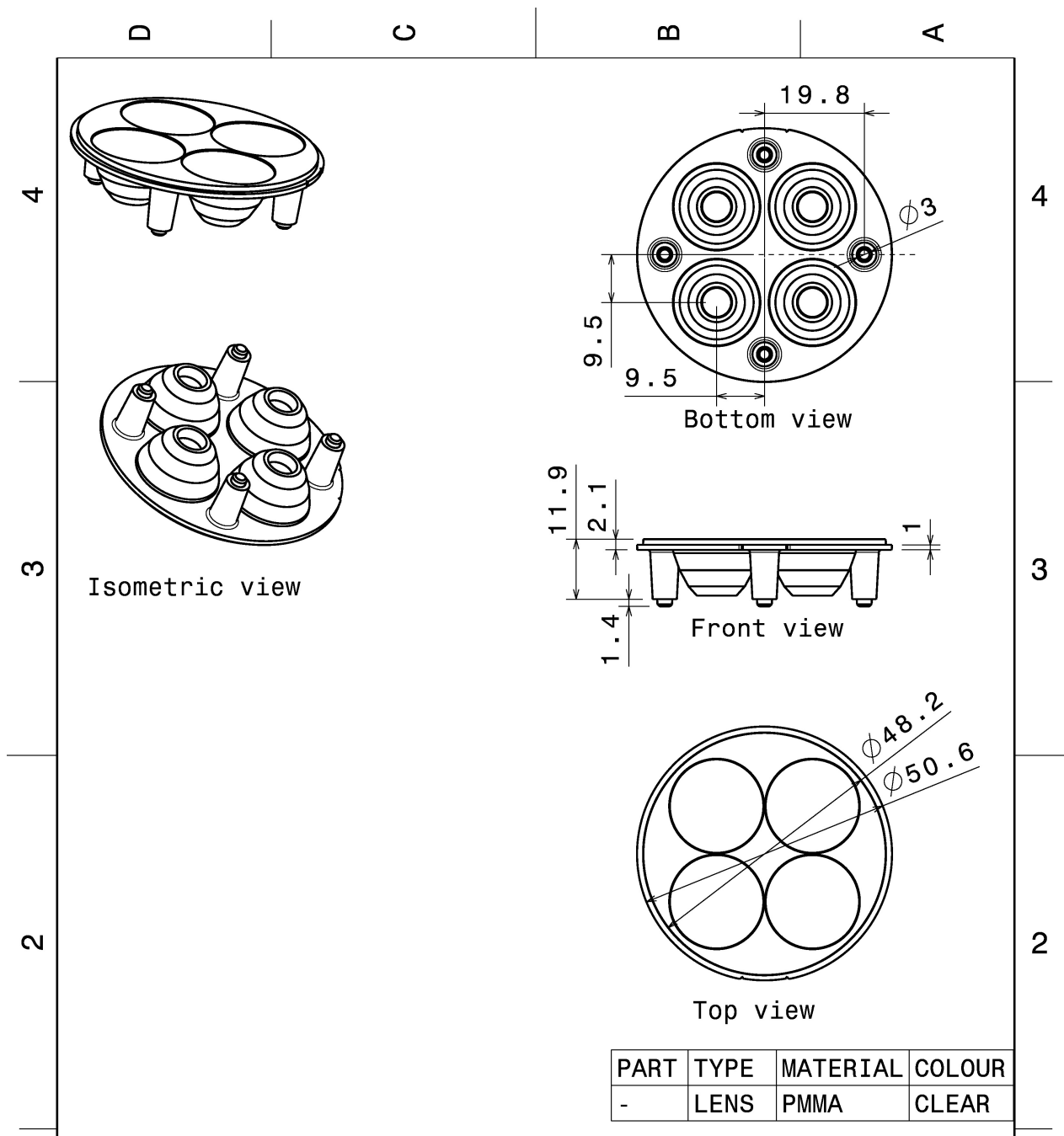
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
MELODY-4-S	Multi-lens	PMMA	clear	



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13736_MELODY-4-S » Box size: 480 x 280 x 300 mm	364	112	28	5.8



PART	TYPE	MATERIAL	COLOUR
-	LENS	PMMA	CLEAR

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**LEDiL**  
A WORLD OF INNOVATION

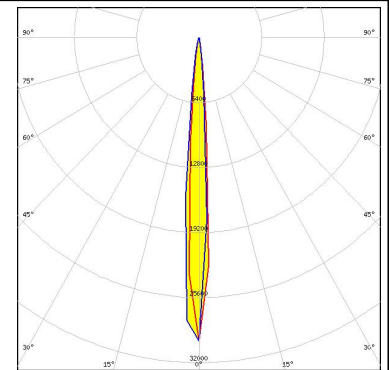
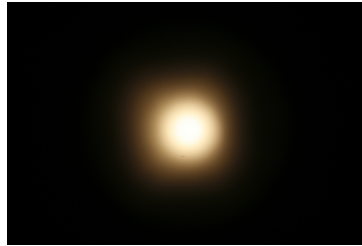
Ledil Oy  
Joensuunkatu 13  
FIN 24100 SALO  
Finland

DRAWN BY mav		DATE 18.04.2012	DRAWING TITLE <b>Datasheet MELODY-4 series</b>			
CHECKED BY sn	DATE 18.04.2012	SIZE <b>A4</b>	DRAWING NUMBER -		REV <b>1</b>	
DESIGNED BY mav	DATE 06.03.2012	SCALE 1:1	WEIGHT (g)	SHEET 1/1		

#### PHOTOMETRIC DATA (MEASURED):

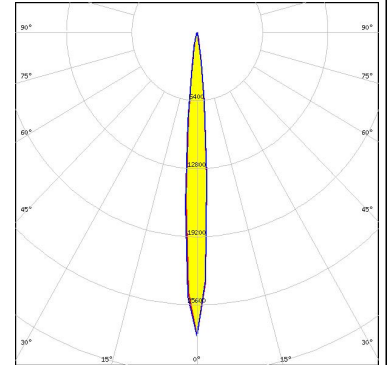
**CREE** 

LED XP-E  
 FWHM 8.0°  
 Efficiency 90 %  
 Peak intensity 29.9 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



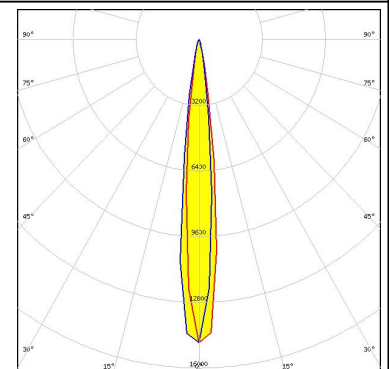
**CREE** 

LED XP-E2  
 FWHM 9.0°  
 Efficiency 92 %  
 Peak intensity 28.5 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



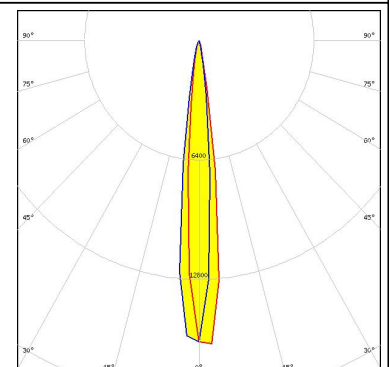
**CREE** 

LED XP-G  
 FWHM 12.0°  
 Efficiency 89 %  
 Peak intensity 14.8 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**CREE** 

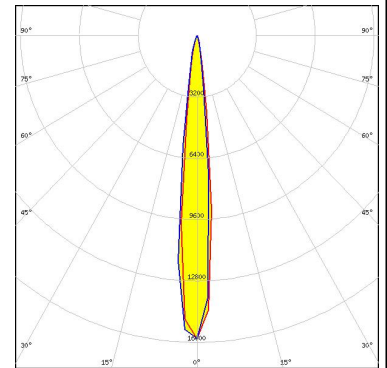
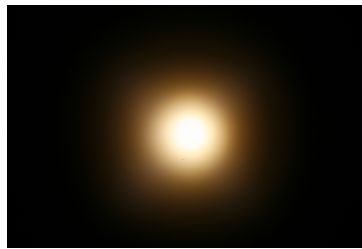
LED XP-G2  
 FWHM 12.0°  
 Efficiency 92 %  
 Peak intensity 16.6 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



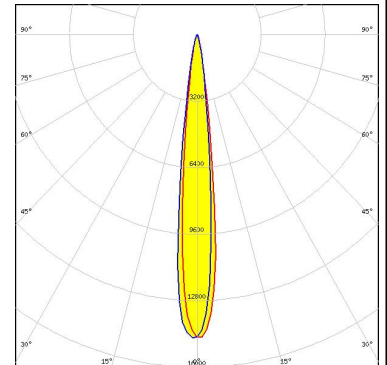
#### PHOTOMETRIC DATA (MEASURED):



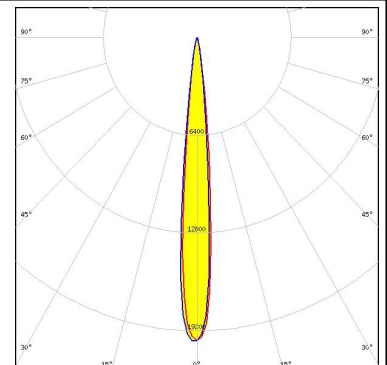
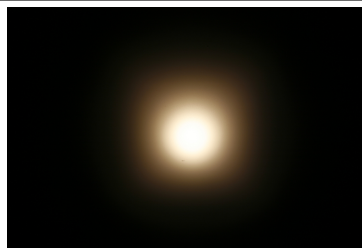
LED XT-E  
 FWHM 12.0°  
 Efficiency 90 %  
 Peak intensity 15.8 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



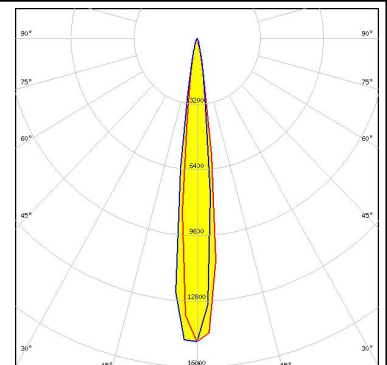
LED LUXEON A  
 FWHM 13.0°  
 Efficiency 91 %  
 Peak intensity 14.6 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON Rebel  
 FWHM 11.0°  
 Efficiency 91 %  
 Peak intensity 19.9 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



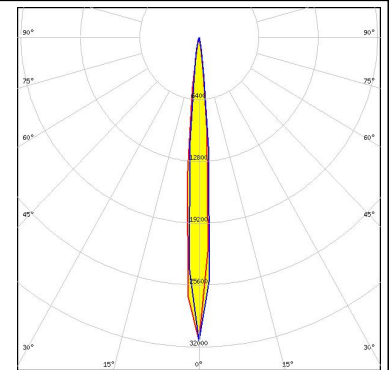
LED LUXEON Rebel ES  
 FWHM 13.0°  
 Efficiency 91 %  
 Peak intensity 14.8 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



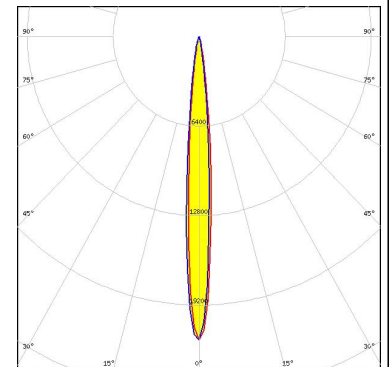
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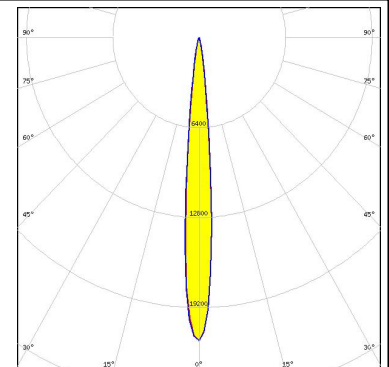
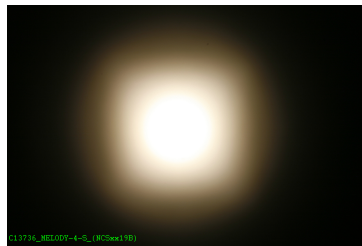
LED LUXEON Z ES  
 FWHM 9.0°  
 Efficiency 91 %  
 Peak intensity 31.4 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



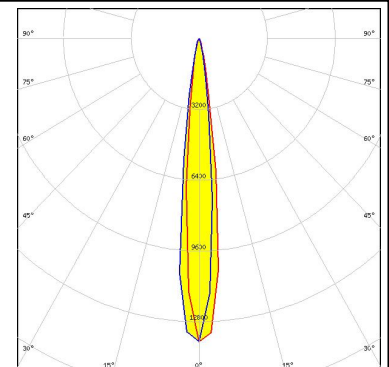
LED NCSxx19A  
 FWHM 9.0°  
 Efficiency 88 %  
 Peak intensity 21.7 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NCSxx19B  
 FWHM 11.0°  
 Efficiency 89 %  
 Peak intensity 21.6 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



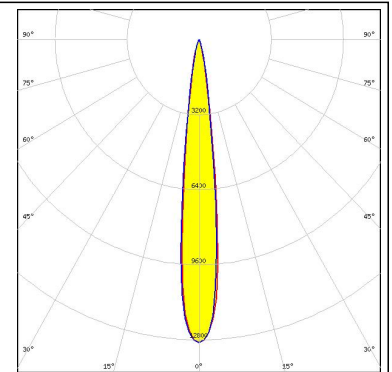
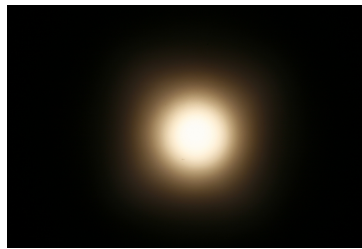
LED NVSxx19A  
 FWHM 13.0°  
 Efficiency 88 %  
 Peak intensity 13.7 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



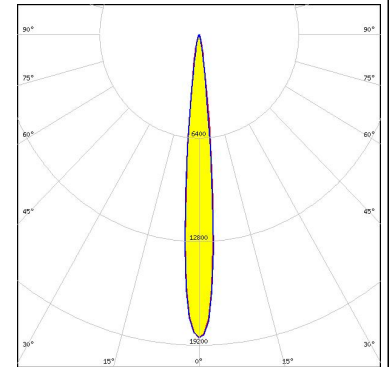
### PHOTOMETRIC DATA (MEASURED):



LED NVSxx19B/NVSxx19C  
FWHM 14.0°  
Efficiency 90 %  
Peak intensity 12.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSOLON Square EC  
FWHM 11.0°  
Efficiency 89 %  
Peak intensity 18.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

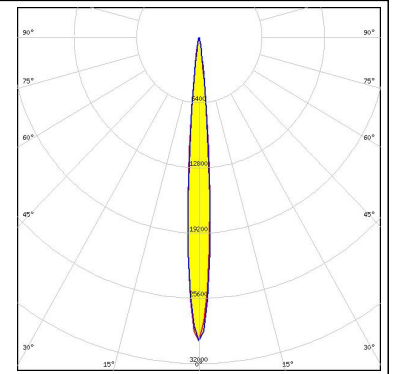




#### PHOTOMETRIC DATA (SIMULATED):



LED	LUXEON Rebel Plus
FWHM	8.0°
Efficiency	94 %
Peak intensity	29.8 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.

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