

## FLORENTINA-2X2-MRK-M

~40° medium beam. Compatible with ultra high power LEDs.

### SPECIFICATION:

Dimensions	89.7 x 89.7 mm
Height	17.7 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

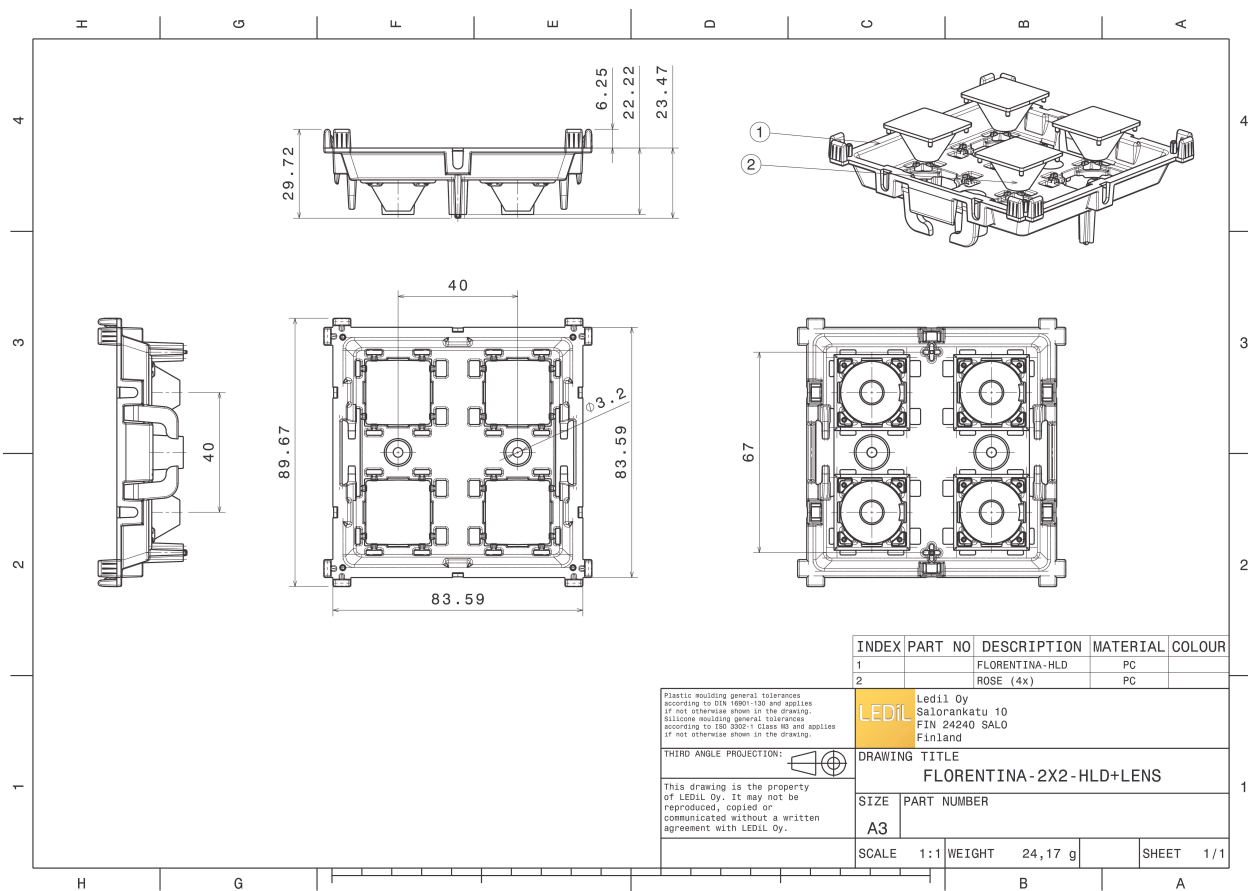


### MATERIALS:

Component	Type	Material	Colour	Finish
ROSE-MRK-M	Single lens	PC	clear	
FLORENTINA-2X2-HLD	Holder	PC	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP15705_FLORENTINA-2X2-MRK-M	Single lens	88	24	8	4.2
» Box size: 476 x 273 x 292 mm					

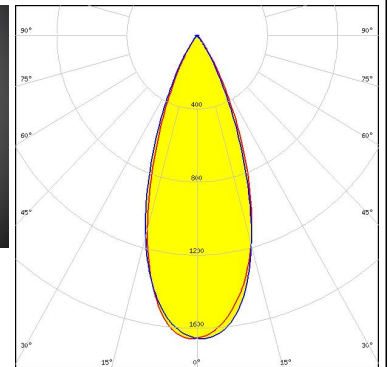


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

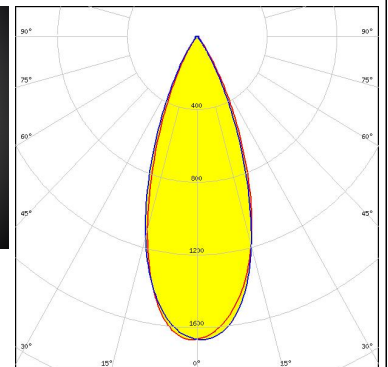
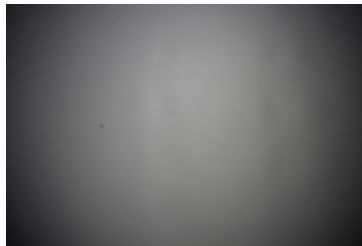
#### OPTICAL RESULTS (MEASURED):



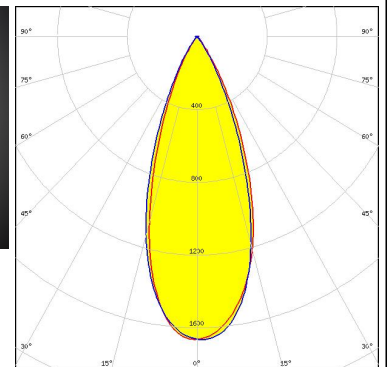
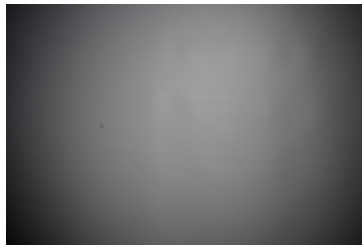
LED XHP35 HD  
FWHM / FWTM 39.0° / 64.0°  
Efficiency 79 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



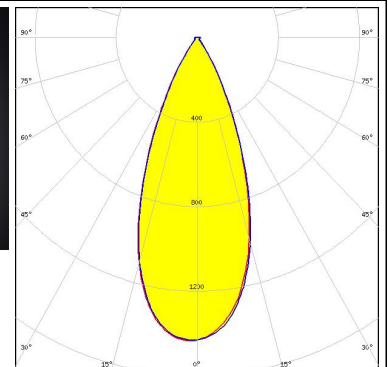
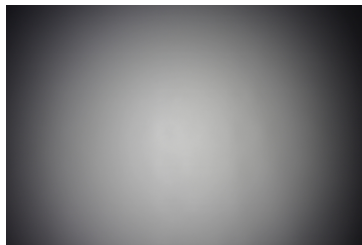
LED XHP35 HD  
FWHM / FWTM 39.0° / 65.0°  
Efficiency 82 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



LED XHP35 HD  
FWHM / FWTM 39.0° / 64.0°  
Efficiency 79 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



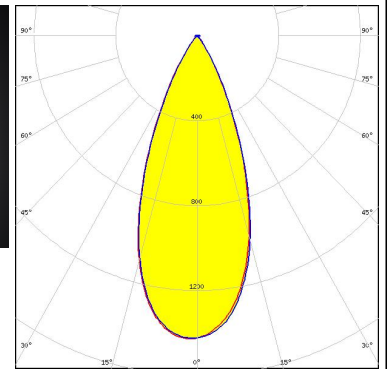
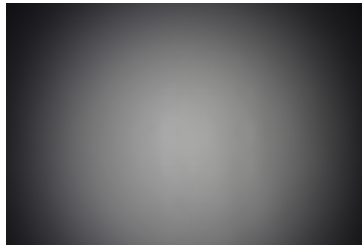
LED XHP50  
FWHM / FWTM 41.0° / 67.0°  
Efficiency 80 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



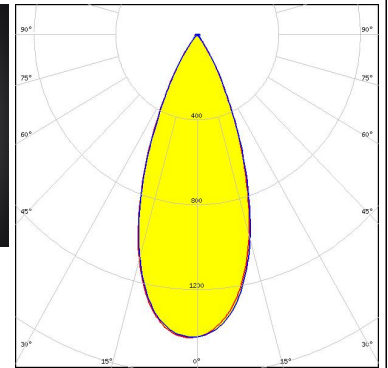
#### OPTICAL RESULTS (MEASURED):



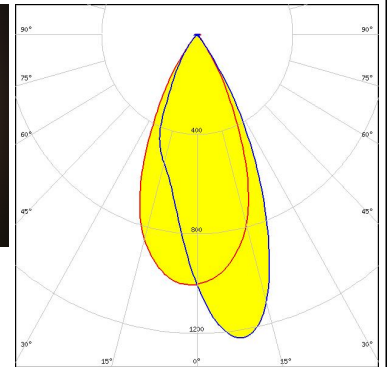
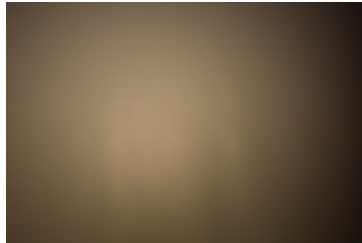
LED XHP50  
FWHM / FWTM 41.0° / 66.0°  
Efficiency 76 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



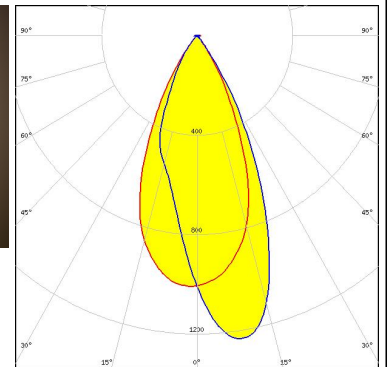
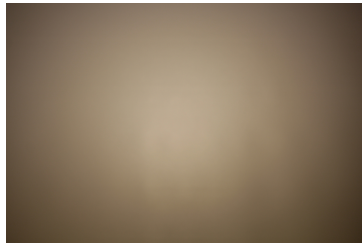
LED XHP50  
FWHM / FWTM 41.0° / 66.0°  
Efficiency 76 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



LED XHP70  
FWHM / FWTM 48.0° / 71.0°  
Efficiency 69 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



LED XHP70  
FWHM / FWTM 48.0° / 71.0°  
Efficiency 70 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN

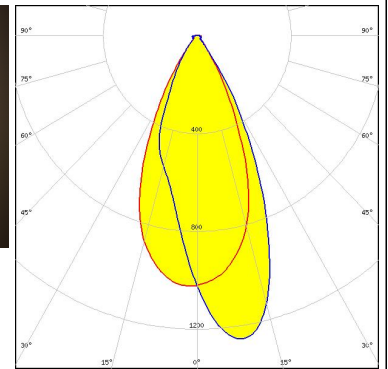
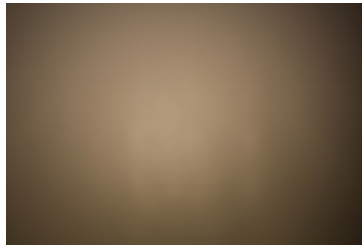




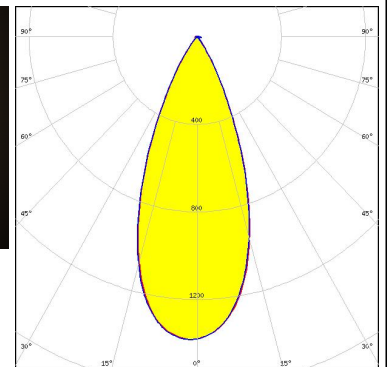
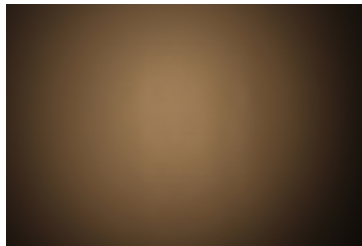
#### OPTICAL RESULTS (MEASURED):



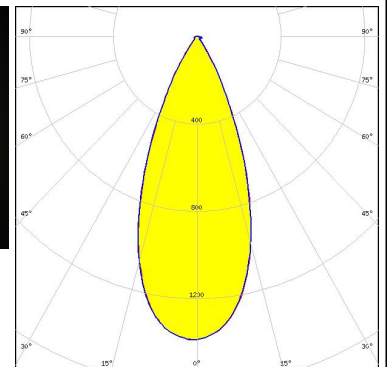
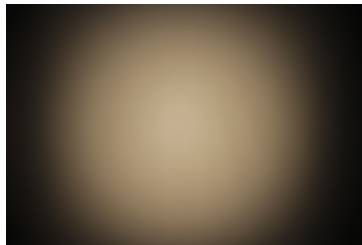
LED XHP70  
FWHM / FWTM 48.0° / 73.0°  
Efficiency 77 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



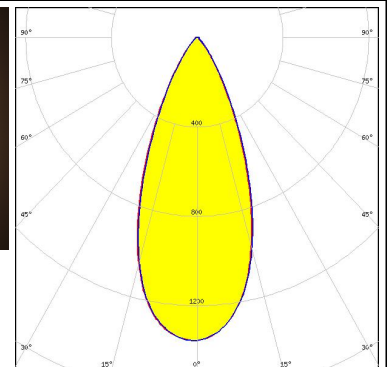
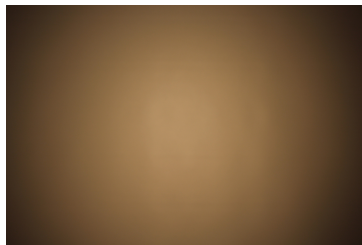
LED LUXEON M/MX  
FWHM / FWTM 41.0° / 66.0°  
Efficiency 74 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



LED LUXEON M/MX  
FWHM / FWTM 42.0° / 66.0°  
Efficiency 79 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



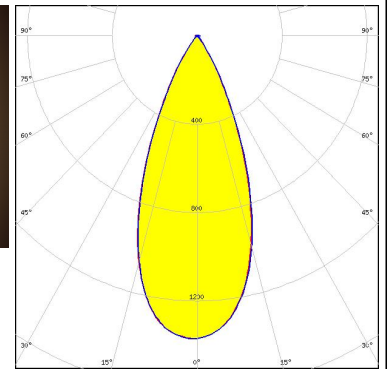
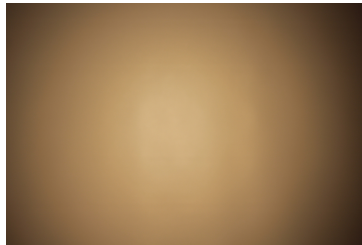
LED LUXEON M/MX  
FWHM / FWTM 43.0° / 72.0°  
Efficiency 82 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OPTICAL RESULTS (MEASURED):

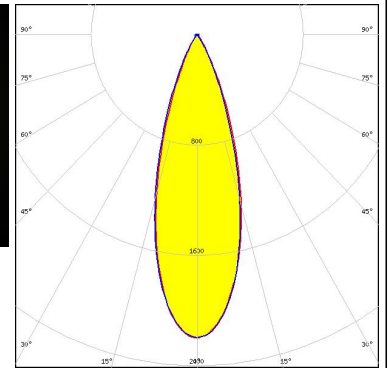
##### LUMILEDS

LED LUXEON M/MX  
FWHM / FWTM 42.0° / 66.0°  
Efficiency 74 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



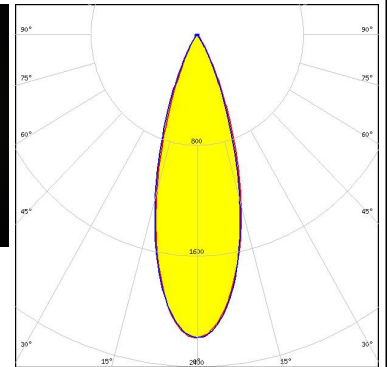
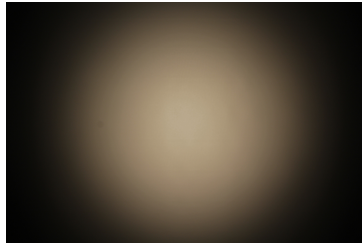
##### LUMILEDS

LED LUXEON MZ  
FWHM / FWTM 33.0° / 56.0°  
Efficiency 78 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



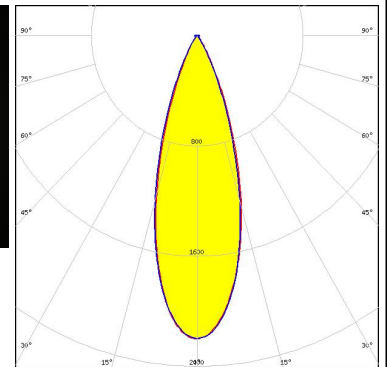
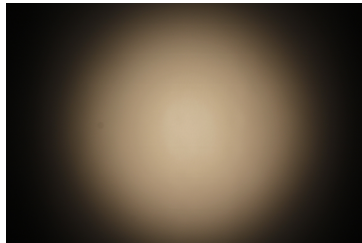
##### LUMILEDS

LED LUXEON MZ  
FWHM / FWTM 33.0° / 56.0°  
Efficiency 77 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



##### LUMILEDS

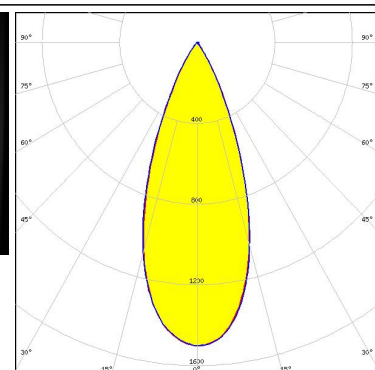
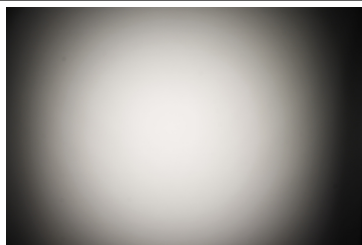
LED LUXEON MZ  
FWHM / FWTM 33.0° / 56.0°  
Efficiency 81 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



#### OPTICAL RESULTS (MEASURED):

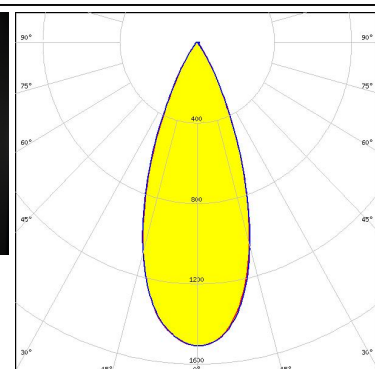
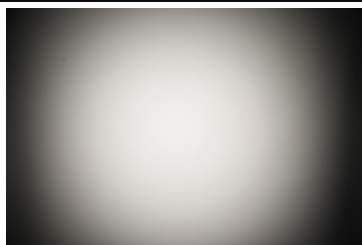
##### OSRAM Opto Semiconductors

LED OSCONIQ P 7070  
FWHM / FWTM 40.0° / 65.0°  
Efficiency 71 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



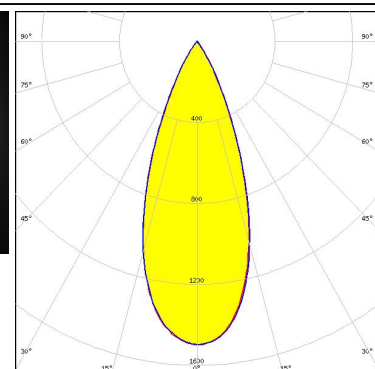
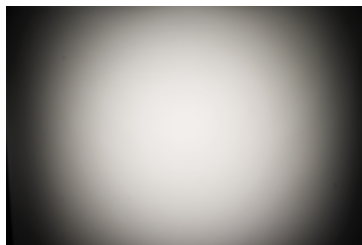
##### OSRAM Opto Semiconductors

LED OSCONIQ P 7070  
FWHM / FWTM 40.0° / 65.0°  
Efficiency 75 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



##### OSRAM Opto Semiconductors

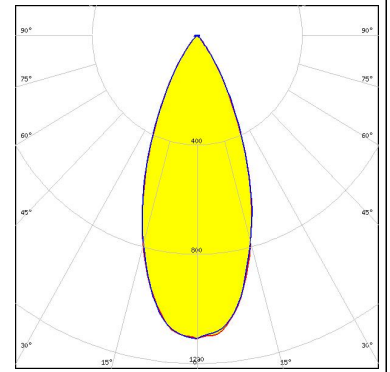
LED OSCONIQ P 7070  
FWHM / FWTM 40.0° / 65.0°  
Efficiency 70 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



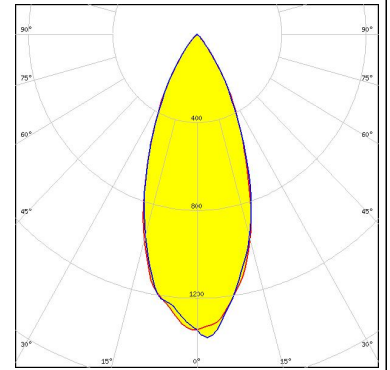
#### OPTICAL RESULTS (SIMULATED):



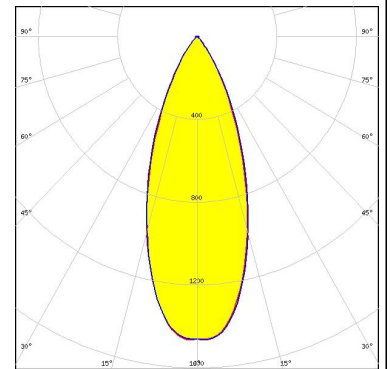
LED LUXEON 7070  
 FWHM / FWTM 42.0° / 71.0°  
 Efficiency 64 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



LED NV4x144A  
 FWHM / FWTM 42.0° / 72.0°  
 Efficiency 76 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



LED Duris S8  
 FWHM / FWTM 39.0° / 70.0°  
 Efficiency 76 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



### 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.

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#### Local sales and technical support

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#### Distribution Partners

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