



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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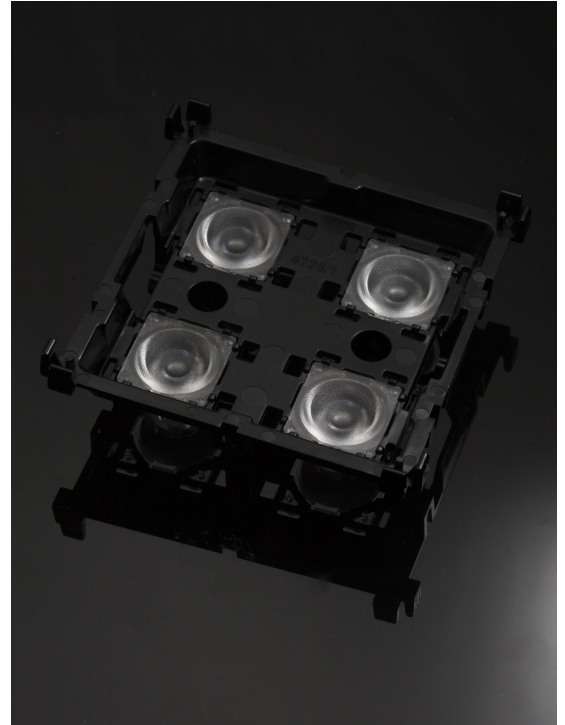


## FLORENTINA-2X2-MRK-W

~50° wide beam. Compatible with ultra high power LEDs.

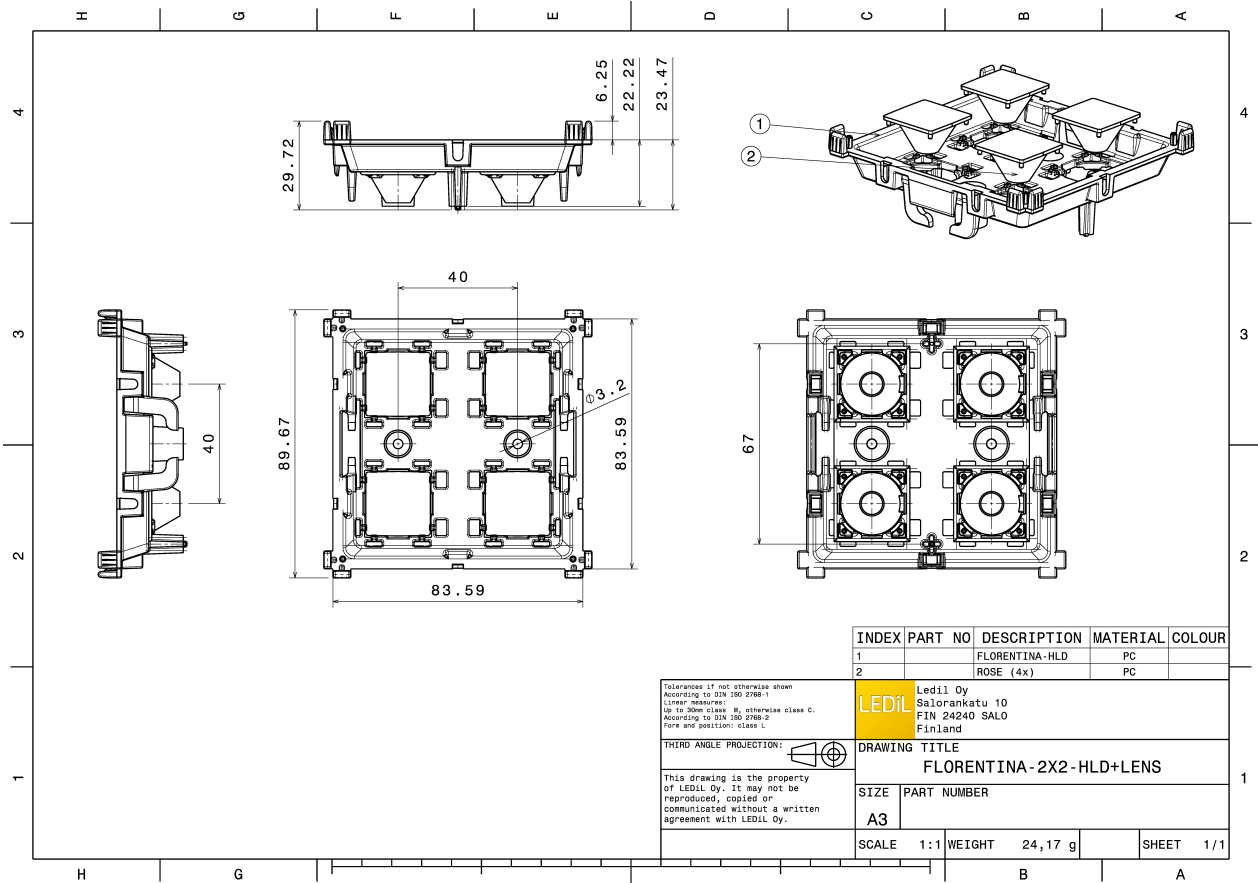
### TECHNICAL SPECIFICATIONS:

Dimensions	95.57x95.57 mm
Height	17.7 mm
Fastening	pin, screw
Colour	black
Box size	476 x 273 x 292 mm
Box weight	4.3 kg
Quantity in Box	88 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

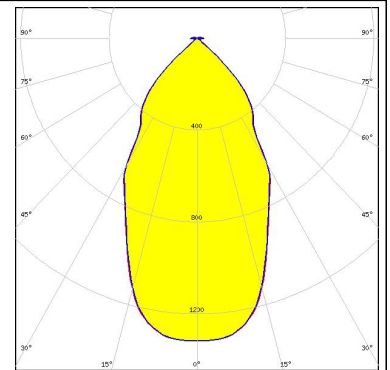
Component	Type	Material	Colour
ROSE-MRK-W	Lens	PC	clear
FLORENTINA-2X2-HLD	Holder	PC	black



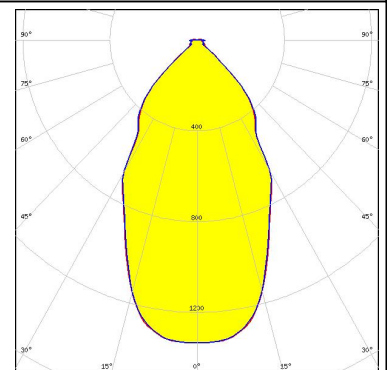
#### PHOTOMETRIC DATA (MEASURED):



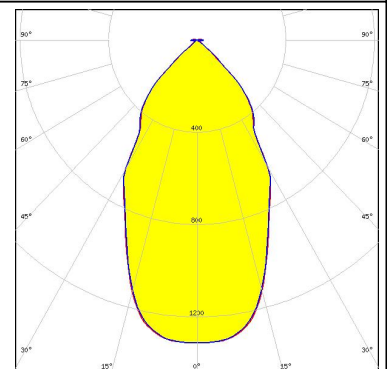
LED XHP35 HD  
 FWHM 57.0°  
 Efficiency 72 %  
 Peak intensity 0.680 cd/lm  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



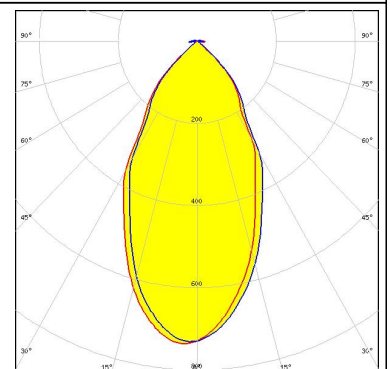
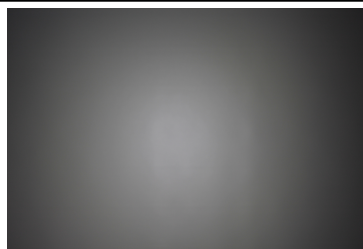
LED XHP35 HD  
 FWHM 58.0°  
 Efficiency 78 %  
 Peak intensity 0.690 cd/lm  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



LED XHP35 HD  
 FWHM 57.0°  
 Efficiency 72 %  
 Peak intensity 0.680 cd/lm  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



LED XHP50  
 FWHM 53.0°  
 Efficiency 71 %  
 Peak intensity 0.740 cd/lm  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD

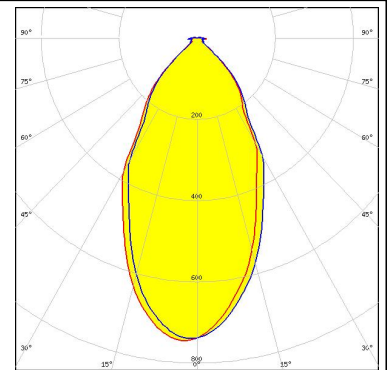


#### PHOTOMETRIC DATA (MEASURED):



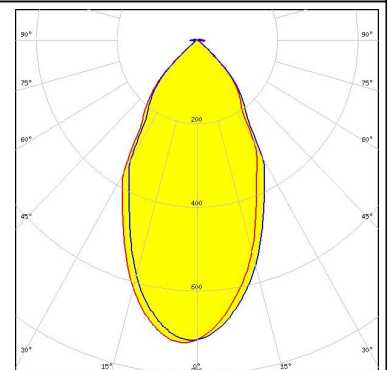
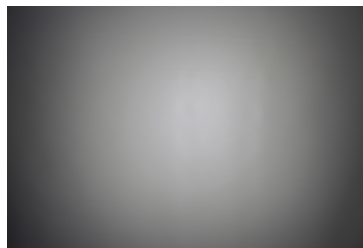
LED XHP50  
 FWHM 54.0°  
 Efficiency 77 %  
 Peak intensity 0.750 cd/lm  
 Required components:

C14960\_FLORENTINA-2X2-SHD-WHT



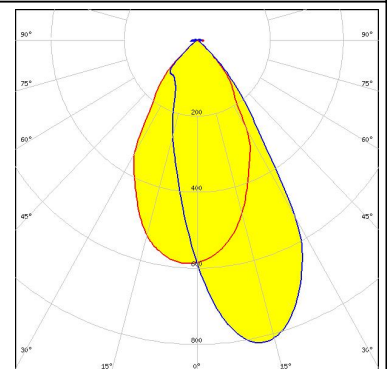
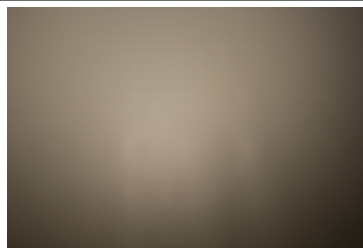
LED XHP50  
 FWHM 54.0°  
 Efficiency 71 %  
 Peak intensity 0.730 cd/lm  
 Required components:

C15196\_FLORENTINA-2X2-SHD-OPEN



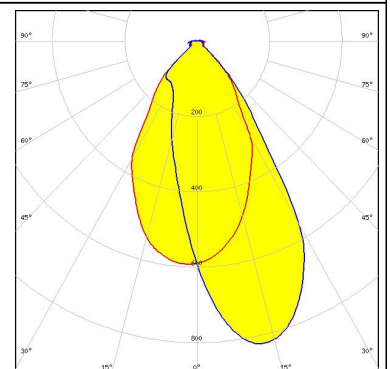
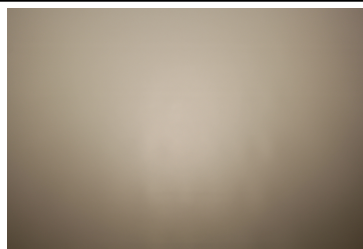
LED XHP70  
 FWHM 61.0°  
 Efficiency 66 %  
 Peak intensity 0.820 cd/lm  
 Required components:

C14734\_FLORENTINA-2X2-SHD



LED XHP70  
 FWHM 63.0°  
 Efficiency 74 %  
 Peak intensity 0.830 cd/lm  
 Required components:

C14960\_FLORENTINA-2X2-SHD-WHT



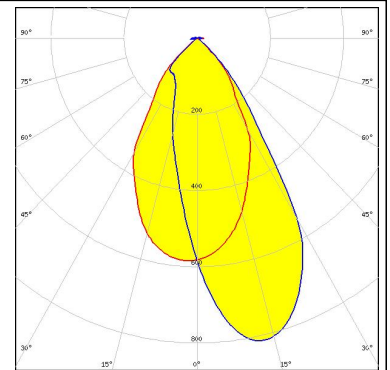
#### PHOTOMETRIC DATA (MEASURED):



LED XHP70  
 FWHM 61.0°  
 Efficiency 66 %  
 Peak intensity 0.820 cd/lm

Required components:

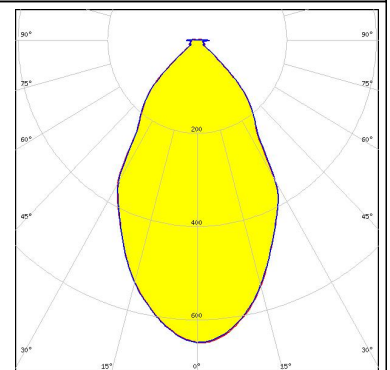
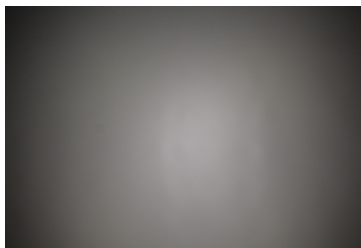
C15196\_FLORENTINA-2X2-SHD-OPEN



LED H70E0  
 FWHM 62.0°  
 Efficiency 76 %  
 Peak intensity 0.650 cd/lm

Required components:

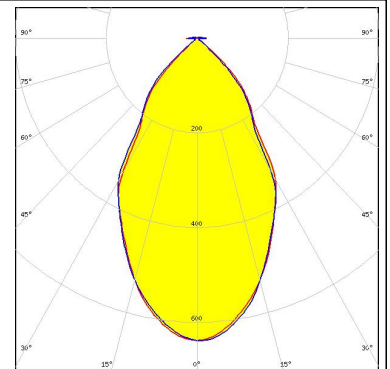
C14960\_FLORENTINA-2X2-SHD-WHT



LED H70E0  
 FWHM 61.0°  
 Efficiency 69 %  
 Peak intensity 0.640 cd/lm

Required components:

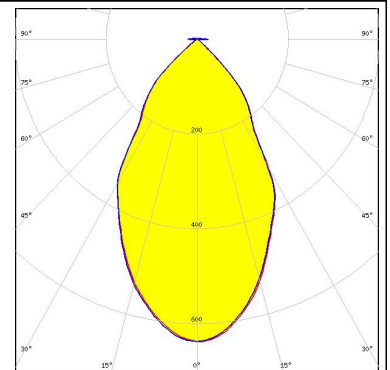
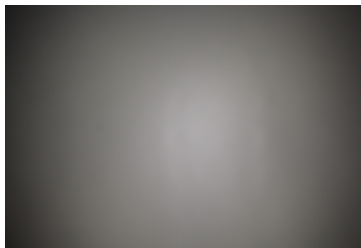
C15196\_FLORENTINA-2X2-SHD-OPEN



LED H70E0  
 FWHM 61.0°  
 Efficiency 69 %  
 Peak intensity 0.640 cd/lm

Required components:

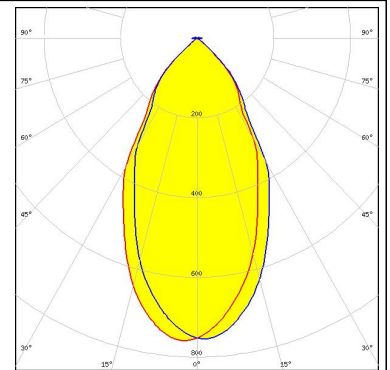
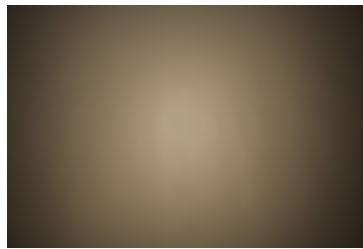
C14734\_FLORENTINA-2X2-SHD



#### PHOTOMETRIC DATA (MEASURED):

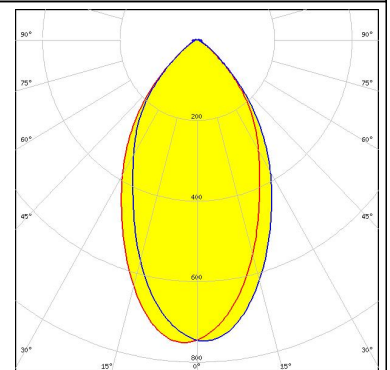
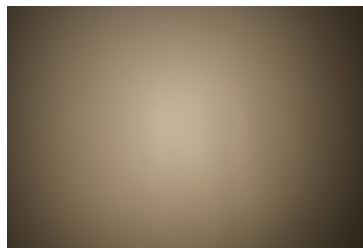
#### LUMILEDS

LED LUXEON M/MX  
 FWHM 54.0°  
 Efficiency 71 %  
 Peak intensity 0.760 cd/lm  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



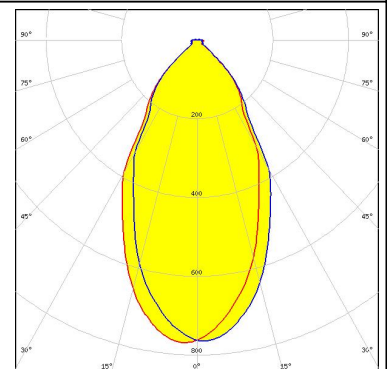
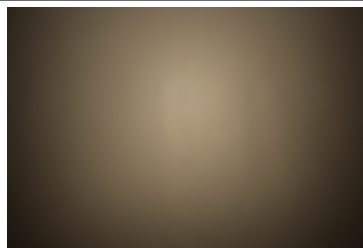
#### LUMILEDS

LED LUXEON M/MX  
 FWHM 56.0°  
 Efficiency 81 %  
 Peak intensity 0.760 cd/lm  
 Required components:



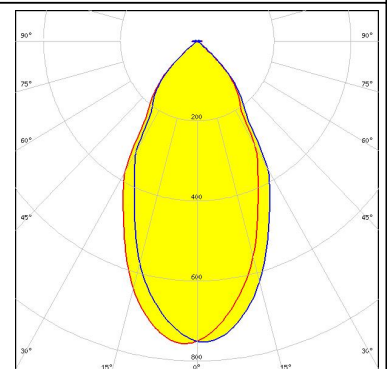
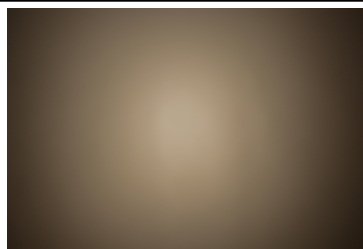
#### LUMILEDS

LED LUXEON M/MX  
 FWHM 55.0°  
 Efficiency 78 %  
 Peak intensity 0.770 cd/lm  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



#### LUMILEDS

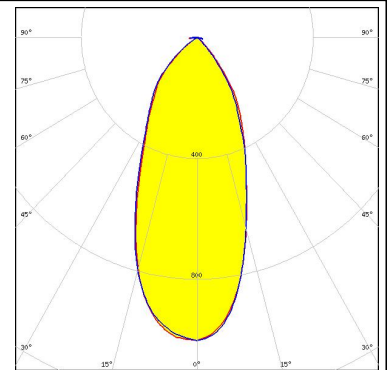
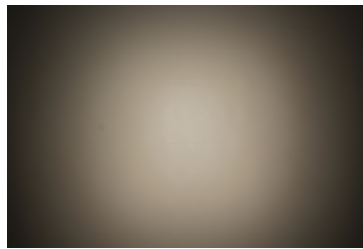
LED LUXEON M/MX  
 FWHM 55.0°  
 Efficiency 71 %  
 Peak intensity 0.760 cd/lm  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



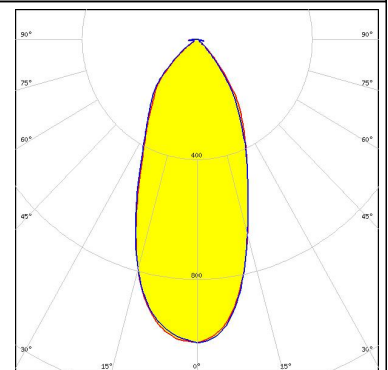
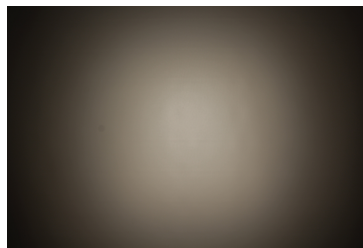
#### PHOTOMETRIC DATA (MEASURED):



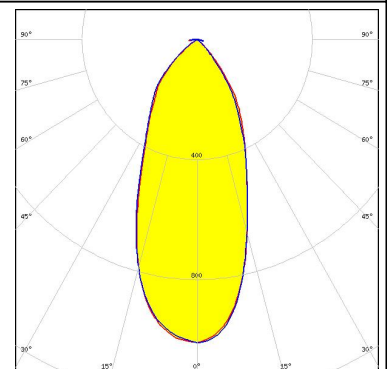
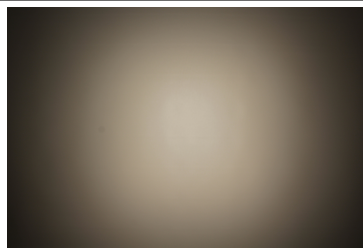
LED LUXEON MZ  
 FWHM 43.0°  
 Efficiency 78 %  
 Peak intensity 1.000 cd/lm  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



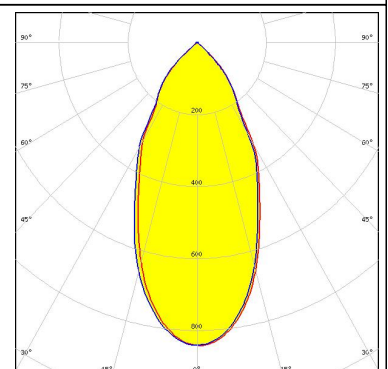
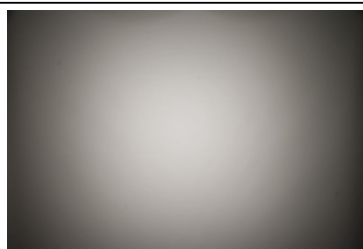
LED LUXEON MZ  
 FWHM 44.0°  
 Efficiency 80 %  
 Peak intensity 1.000 cd/lm  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



LED LUXEON MZ  
 FWHM 43.0°  
 Efficiency 75 %  
 Peak intensity 1.000 cd/lm  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



LED OSCONIQ P 7070  
 FWHM 49.0°  
 Efficiency 68 %  
 Peak intensity 0.840 cd/lm  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN

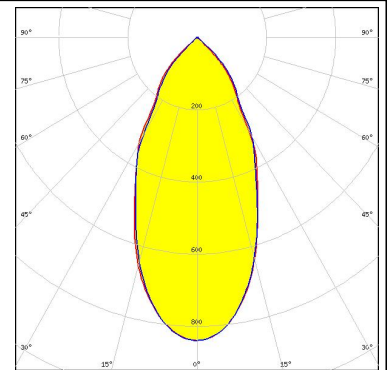




#### PHOTOMETRIC DATA (MEASURED):

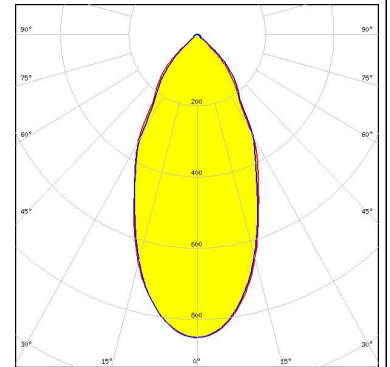
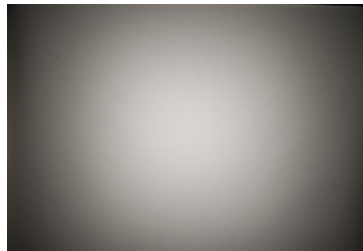
**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 7070  
FWHM 49.0°  
Efficiency 68 %  
Peak intensity 0.840 cd/lm  
Required components:  
C14734\_FLORENTINA-2X2-SHD



**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 7070  
FWHM 50.0°  
Efficiency 74 %  
Peak intensity 0.850 cd/lm  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



#### 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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#### Distribution Partners

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