



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## FLORENTINA-2X2-MRK-M

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

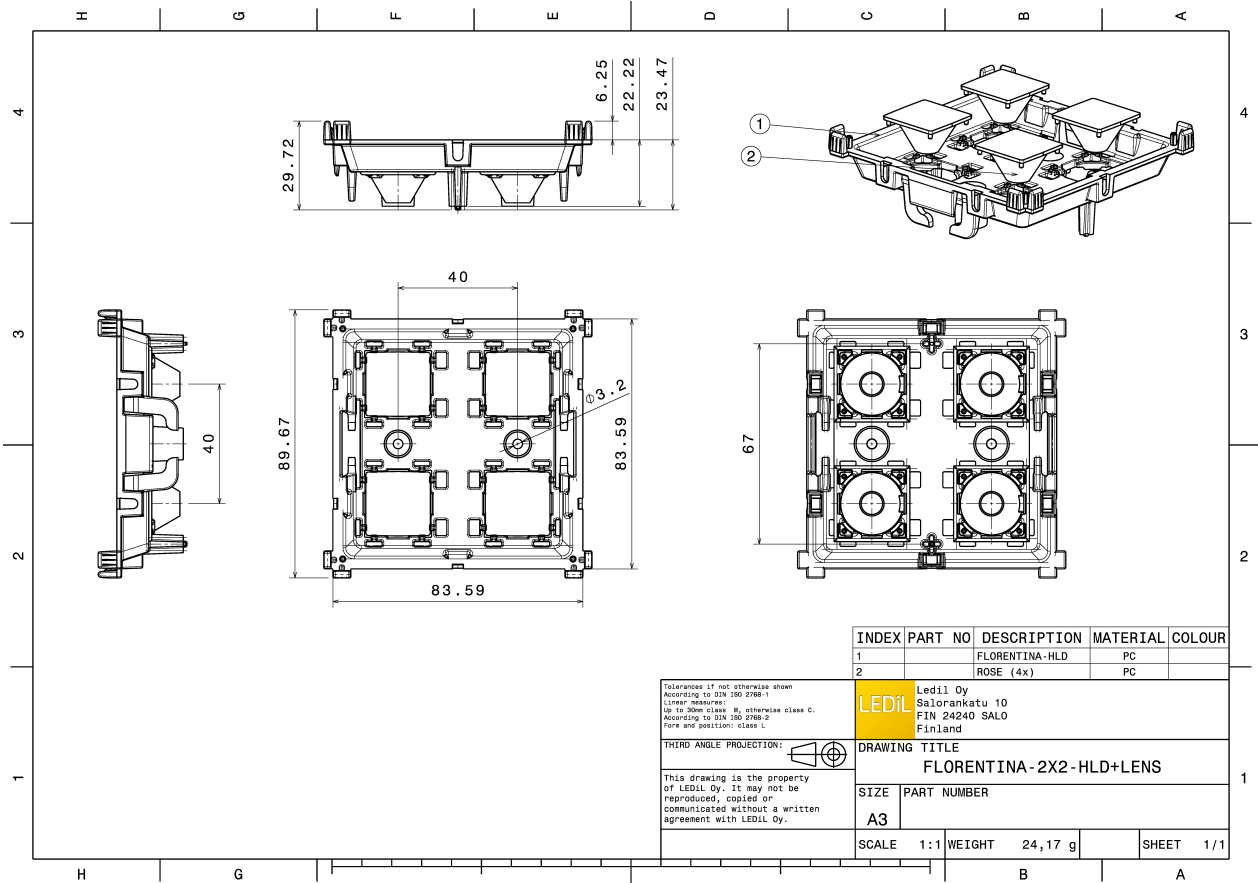
### TECHNICAL SPECIFICATIONS:

Dimensions	95.57x95.57 mm
Height	17.7 mm
Fastening	pin, screw
Colour	black
Box size	476 x 273 x 292 mm
Box weight	4.2 kg
Quantity in Box	88 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

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



#### PHOTOMETRIC DATA (MEASURED):



LED XHP35 HD

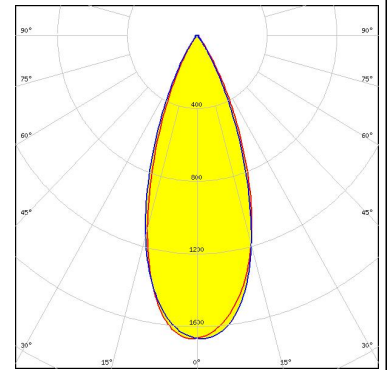
FWHM 39.0°

Efficiency 82 %

Peak intensity 1.700 cd/lm

Required components:

C14960\_FLORENTINA-2X2-SHD-WHT



LED XHP35 HD

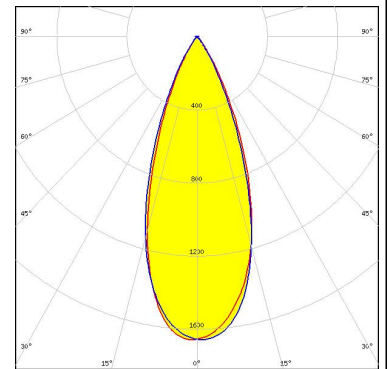
FWHM 39.0°

Efficiency 79 %

Peak intensity 1.700 cd/lm

Required components:

C15196\_FLORENTINA-2X2-SHD-OPEN



LED XHP35 HD

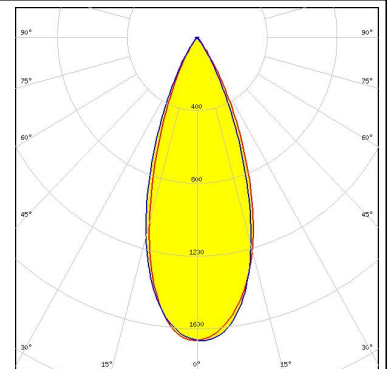
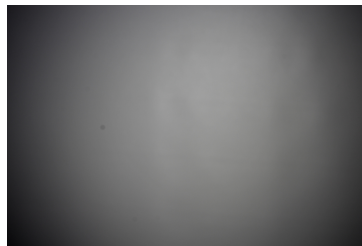
FWHM 39.0°

Efficiency 79 %

Peak intensity 1.700 cd/lm

Required components:

C14734\_FLORENTINA-2X2-SHD



LED XHP50

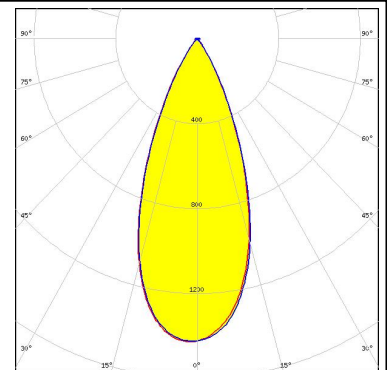
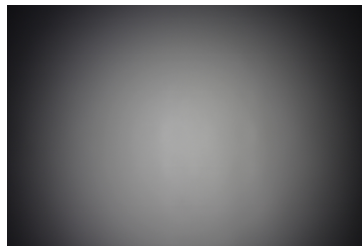
FWHM 41.0°

Efficiency 76 %

Peak intensity 1.400 cd/lm

Required components:

C14734\_FLORENTINA-2X2-SHD

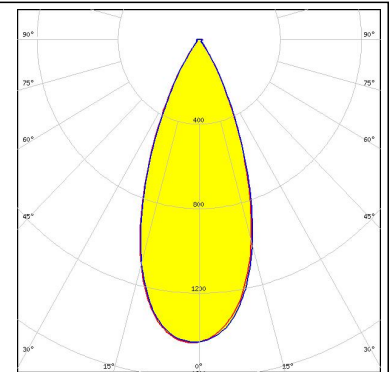


#### PHOTOMETRIC DATA (MEASURED):



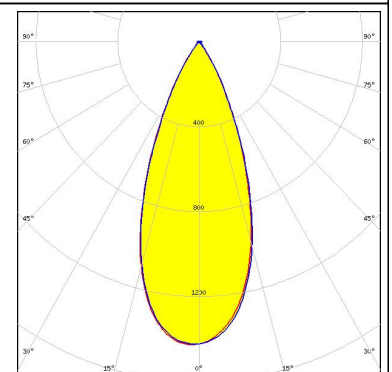
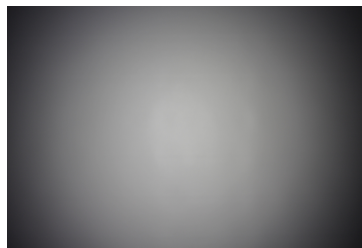
LED XHP50  
 FWHM 41.0°  
 Efficiency 80 %  
 Peak intensity 1.400 cd/lm  
 Required components:

C14960\_FLORENTINA-2X2-SHD-WHT



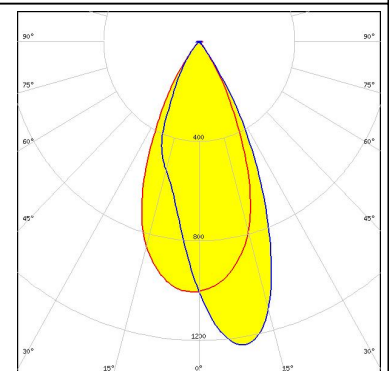
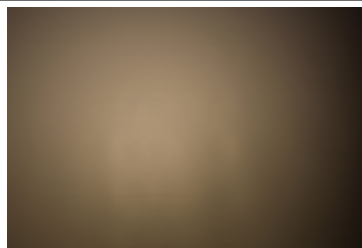
LED XHP50  
 FWHM 41.0°  
 Efficiency 76 %  
 Peak intensity 1.400 cd/lm  
 Required components:

C15196\_FLORENTINA-2X2-SHD-OPEN



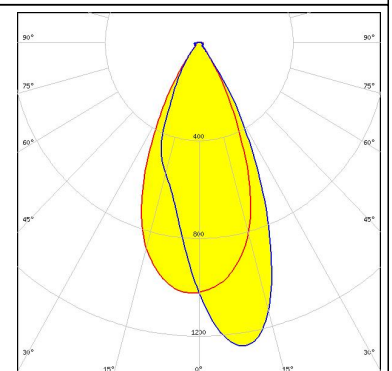
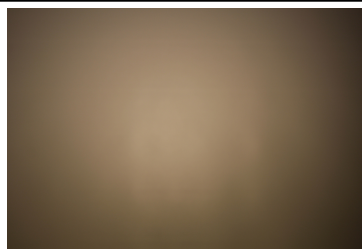
LED XHP70  
 FWHM 48.0°  
 Efficiency 69 %  
 Peak intensity 1.200 cd/lm  
 Required components:

C14734\_FLORENTINA-2X2-SHD



LED XHP70  
 FWHM 48.0°  
 Efficiency 77 %  
 Peak intensity 1.300 cd/lm  
 Required components:

C14960\_FLORENTINA-2X2-SHD-WHT



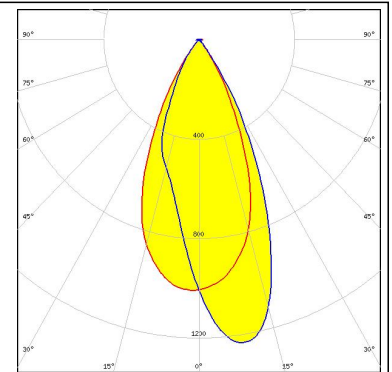
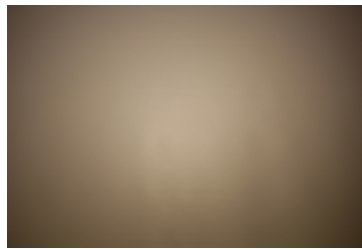
#### PHOTOMETRIC DATA (MEASURED):



LED XHP70  
 FWHM 48.0°  
 Efficiency 70 %  
 Peak intensity 1.200 cd/lm

Required components:

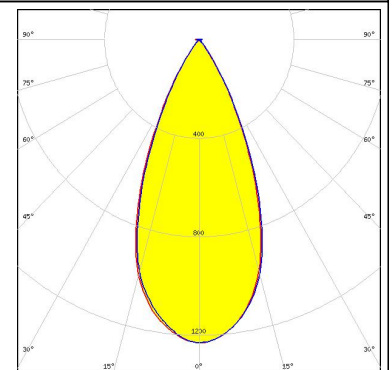
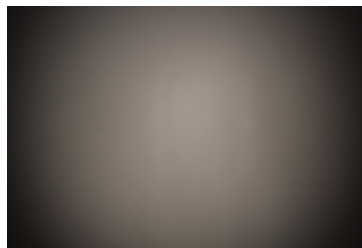
C15196\_FLORENTINA-2X2-SHD-OPEN



LED H70E0  
 FWHM 45.0°  
 Efficiency 75 %  
 Peak intensity 1.200 cd/lm

Required components:

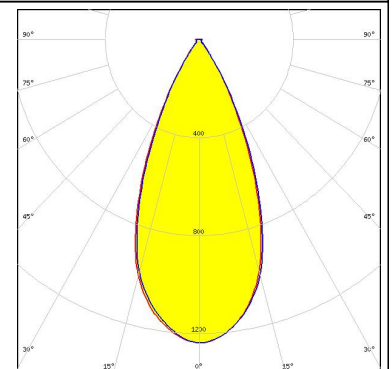
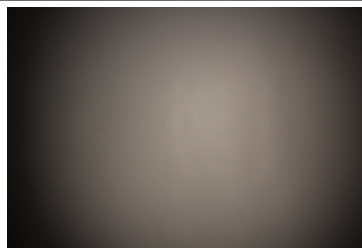
C14734\_FLORENTINA-2X2-SHD



LED H70E0  
 FWHM 46.0°  
 Efficiency 80 %  
 Peak intensity 1.200 cd/lm

Required components:

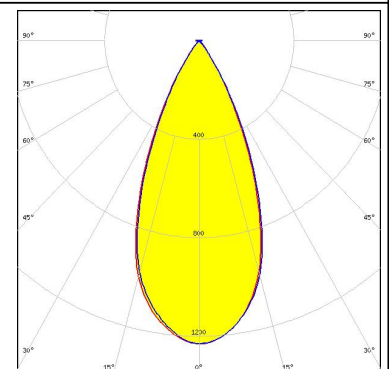
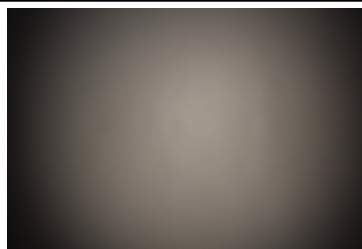
C14960\_FLORENTINA-2X2-SHD-WHT



LED H70E0  
 FWHM 45.0°  
 Efficiency 76 %  
 Peak intensity 1.200 cd/lm

Required components:

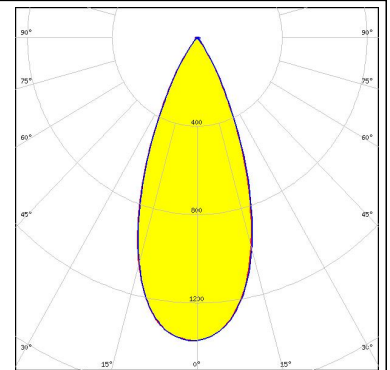
C15196\_FLORENTINA-2X2-SHD-OPEN



#### PHOTOMETRIC DATA (MEASURED):

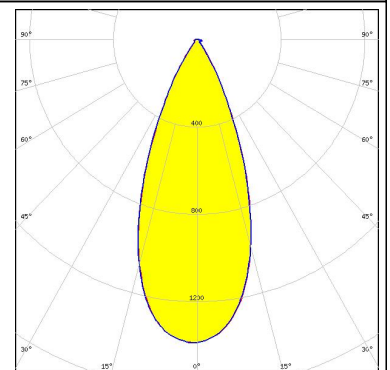
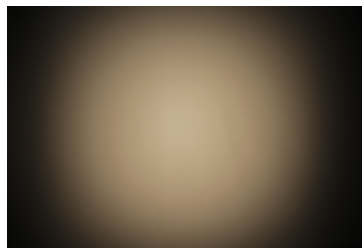
#### LUMILEDS

LED LUXEON M/MX  
FWHM 42.0°  
Efficiency 74 %  
Peak intensity 1.400 cd/lm  
Required components:  
C14734\_FLORENTINA-2X2-SHD



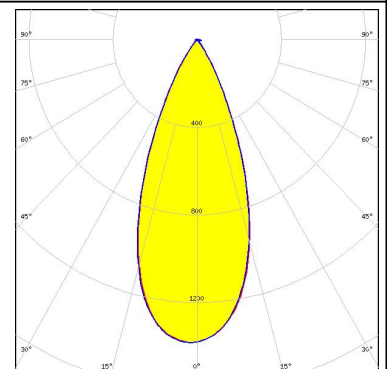
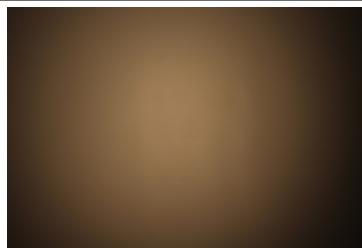
#### LUMILEDS

LED LUXEON M/MX  
FWHM 42.0°  
Efficiency 79 %  
Peak intensity 1.400 cd/lm  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



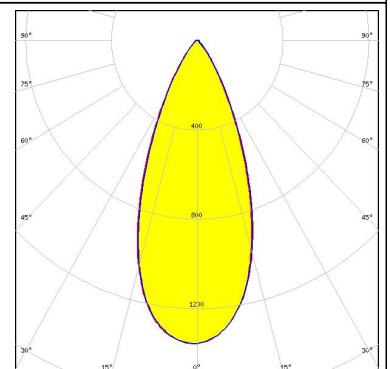
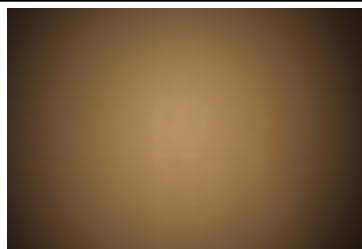
#### LUMILEDS

LED LUXEON M/MX  
FWHM 41.0°  
Efficiency 74 %  
Peak intensity 1.400 cd/lm  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



#### LUMILEDS

LED LUXEON M/MX  
FWHM 43.0°  
Efficiency 82 %  
Peak intensity 1.400 cd/lm  
Required components:



#### PHOTOMETRIC DATA (MEASURED):



LED LUXEON MZ

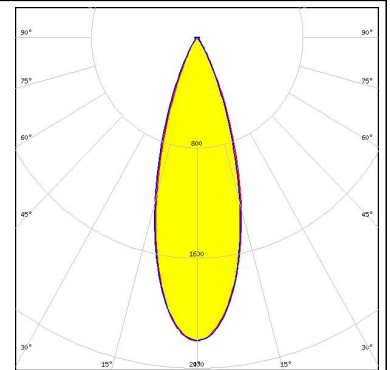
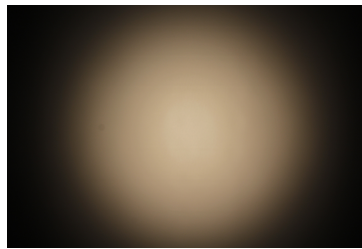
FWHM 33.0°

Efficiency 81 %

Peak intensity 2.200 cd/lm

Required components:

C14960\_FLORENTINA-2X2-SHD-WHT



LED LUXEON MZ

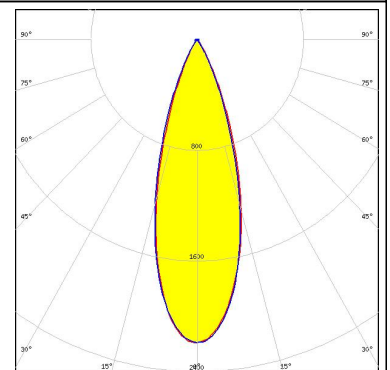
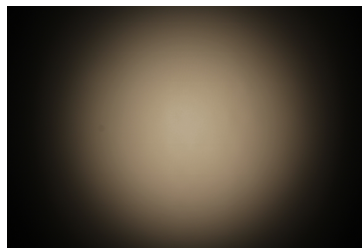
FWHM 33.0°

Efficiency 77 %

Peak intensity 2.200 cd/lm

Required components:

C15196\_FLORENTINA-2X2-SHD-OPEN



LED LUXEON MZ

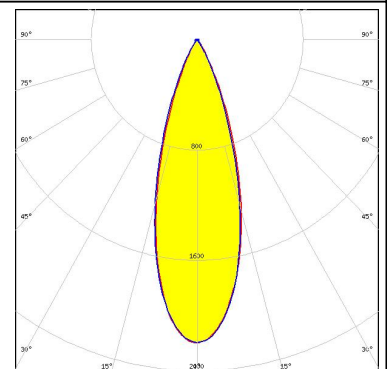
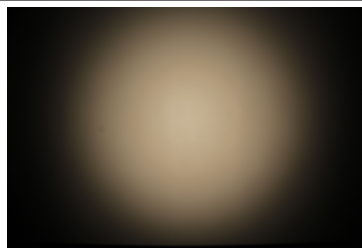
FWHM 33.0°

Efficiency 78 %

Peak intensity 2.200 cd/lm

Required components:

C14734\_FLORENTINA-2X2-SHD



LED OSCONIQ P 7070

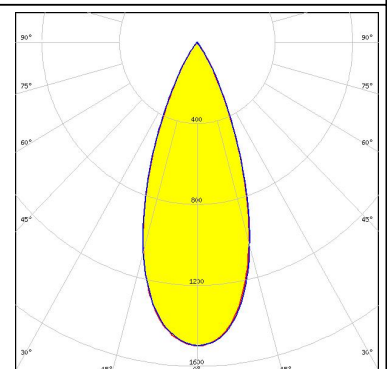
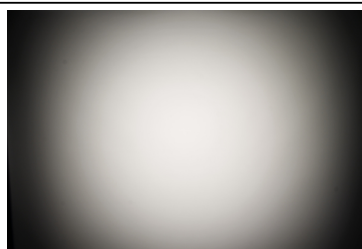
FWHM 40.0°

Efficiency 70 %

Peak intensity 1.500 cd/lm

Required components:

C14734\_FLORENTINA-2X2-SHD





#### PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 7070

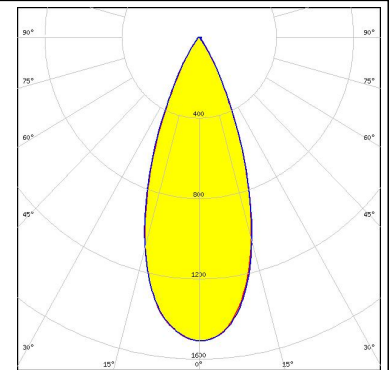
FWHM 40.0°

Efficiency 75 %

Peak intensity 1.500 cd/lm

Required components:

C14960\_FLORENTINA-2X2-SHD-WHT



**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 7070

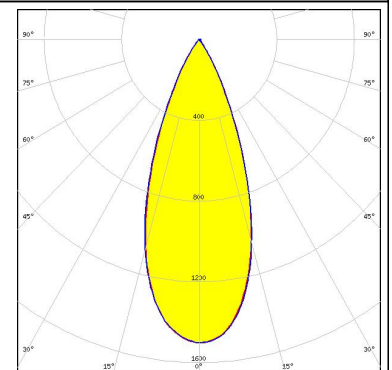
FWHM 40.0°

Efficiency 71 %

Peak intensity 1.500 cd/lm

Required components:

C15196\_FLORENTINA-2X2-SHD-OPEN



#### 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)