

FLORENTINA-HLD-D

~18° diffused spot beam

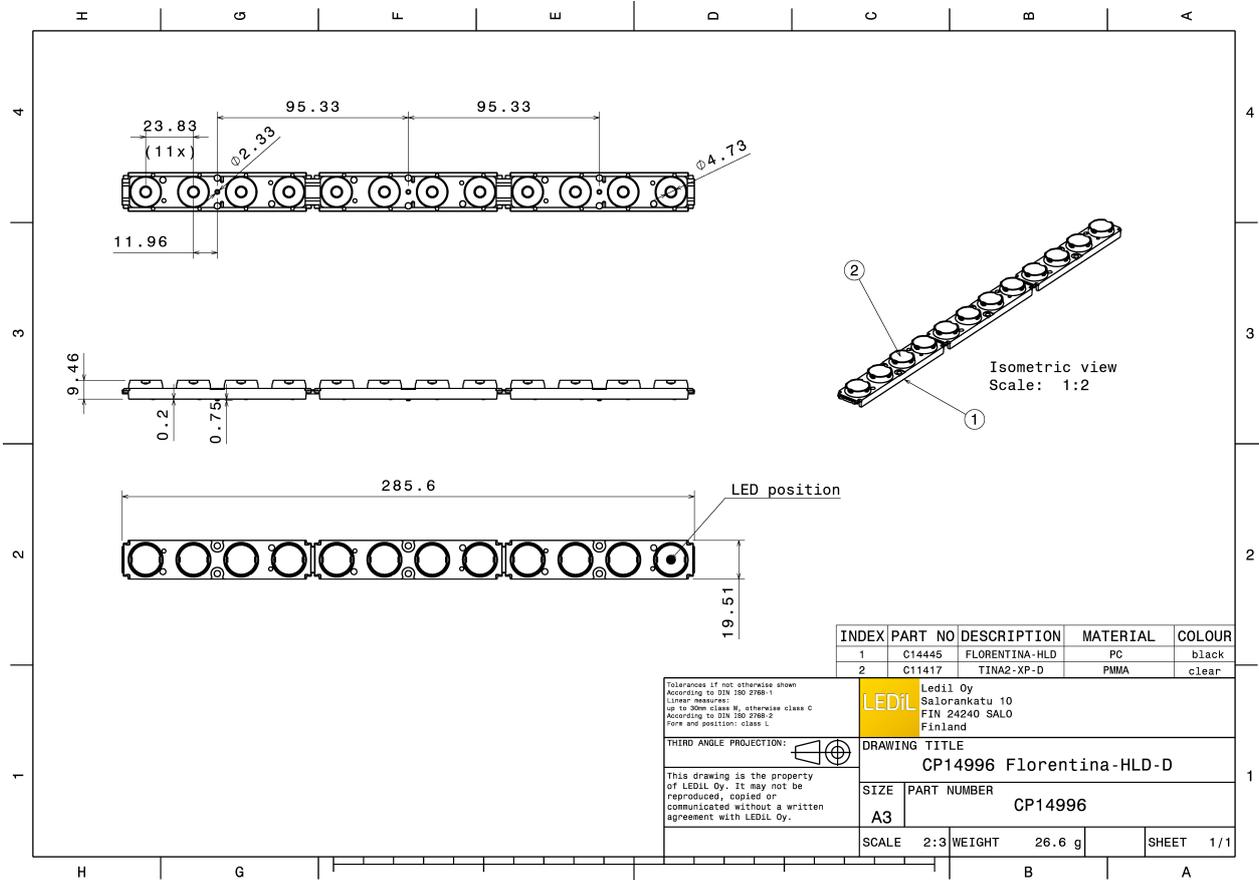
TECHNICAL SPECIFICATIONS:

Dimensions	285.6+19.5 mm
Height	9.5 mm
Fastening	screw
Colour	black
Box size	398 x 298 x 140 mm
Box weight	5.2 kg
Quantity in Box	160 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

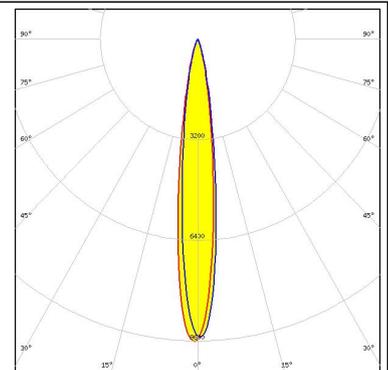
Component	Type	Material	Colour
TINA2-XP-D	Lens	PMMA	clear
FLORENTINA-HLD	Holder	PC	black



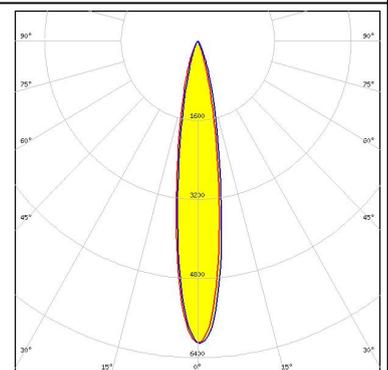
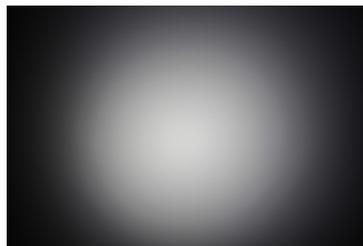
PHOTOMETRIC DATA (MEASURED):



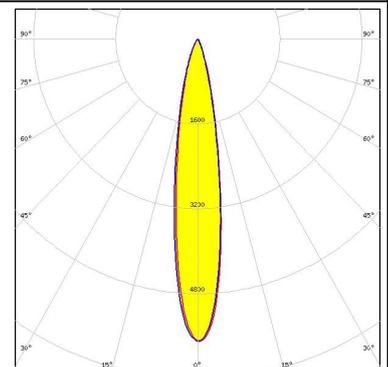
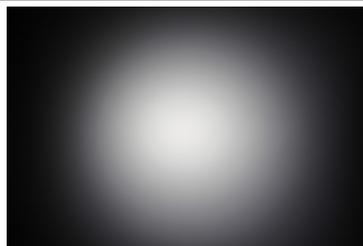
LED XP-E2
 FWHM 13.0°
 Efficiency 84 %
 Peak intensity 9.620 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



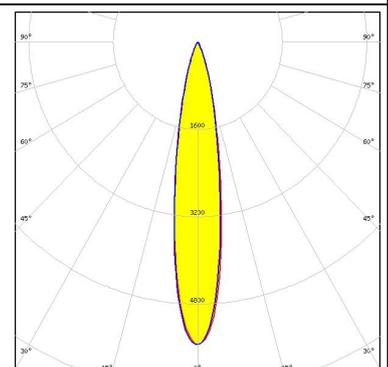
LED XP-G2
 FWHM 17.0°
 Efficiency 82 %
 Peak intensity 6.200 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



LED H35C1 (LEMWA33)
 FWHM 18.0°
 Efficiency 82 %
 Peak intensity 5.700 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



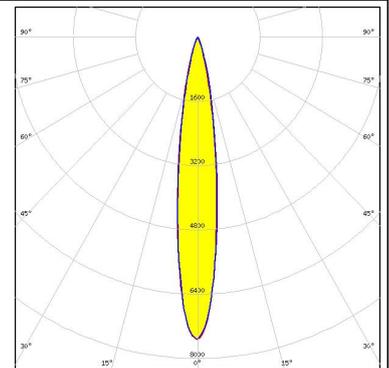
LED LUXEON Rebel ES
 FWHM 18.0°
 Efficiency 81 %
 Peak intensity 5.500 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



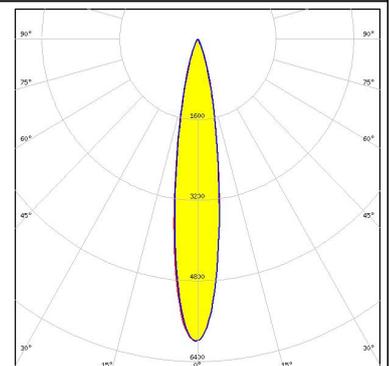
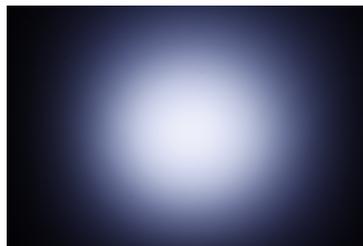
PHOTOMETRIC DATA (MEASURED):



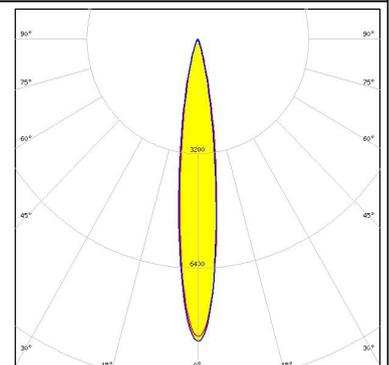
LED LUXEON Rebel Plus
 FWHM 15.0°
 Efficiency 82 %
 Peak intensity 7.500 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



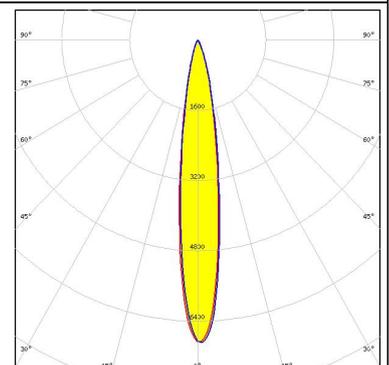
LED LUXEON TX
 FWHM 17.0°
 Efficiency 82 %
 Peak intensity 6.000 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



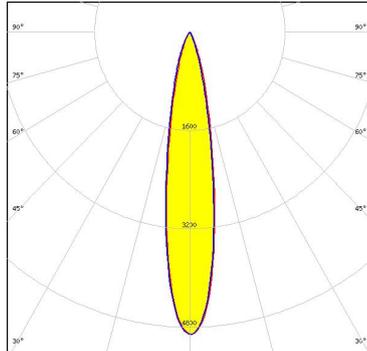
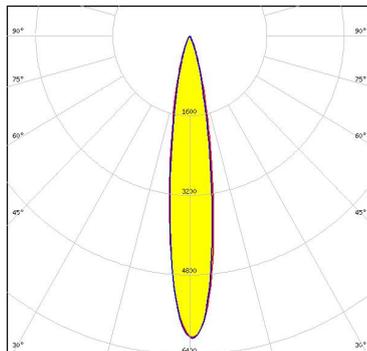
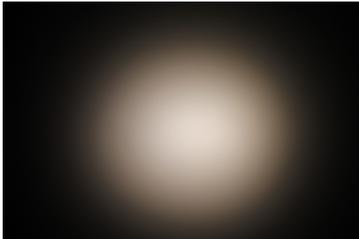
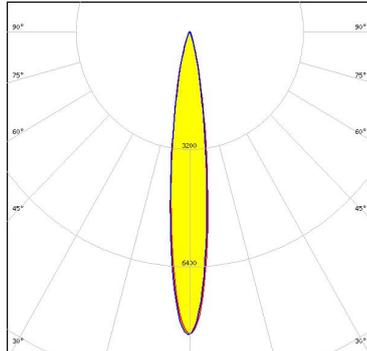
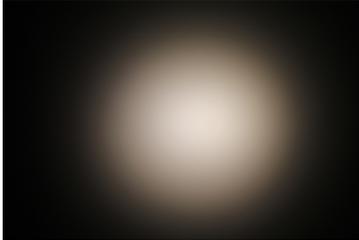
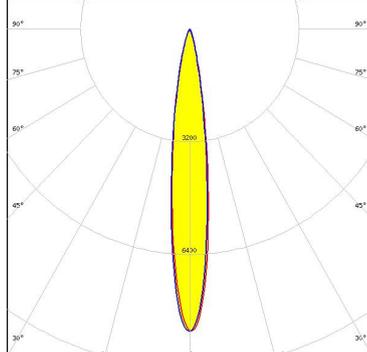
LED LUXEON Z ES
 FWHM 15.0°
 Efficiency 82 %
 Peak intensity 8.530 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



LED NCSxx19B
 FWHM 15.0°
 Efficiency 79 %
 Peak intensity 6.900 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM 19.0° Efficiency 78 % Peak intensity 4.920 cd/lm Required components: C14446_FLORENTINA-SHD</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Oslon Square EC FWHM 17.0° Efficiency 80 % Peak intensity 6.080 cd/lm Required components: C14446_FLORENTINA-SHD</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Oslon SSL 150 FWHM 14.0° Efficiency 84 % Peak intensity 8.200 cd/lm Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Oslon SSL 150 FWHM 14.0° Efficiency 80 % Peak intensity 8.600 cd/lm Required components: C14446_FLORENTINA-SHD</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

LED Oslon SSL 80

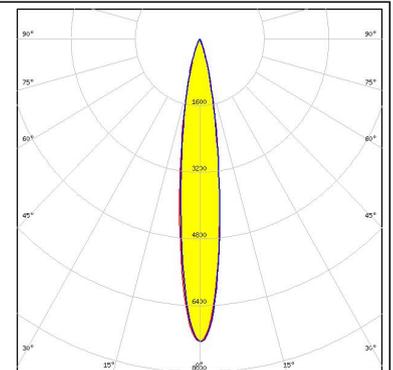
FWHM 15.0°

Efficiency 82 %

Peak intensity 7.270 cd/lm

Required components:

C14446_FLORENTINA-SHD



SAMSUNG

LED LH351B

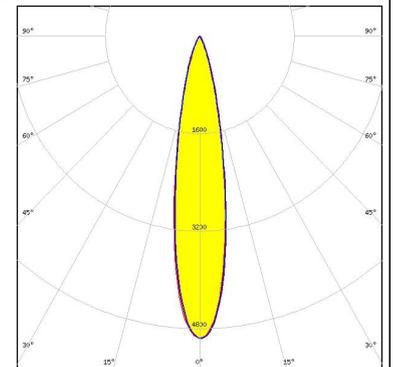
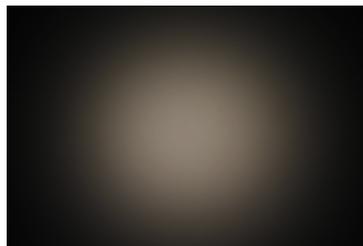
FWHM 20.0°

Efficiency 82 %

Peak intensity 4.970 cd/lm

Required components:

C14446_FLORENTINA-SHD



TOSHIBA

Leading Innovation >>>

LED TL1L4

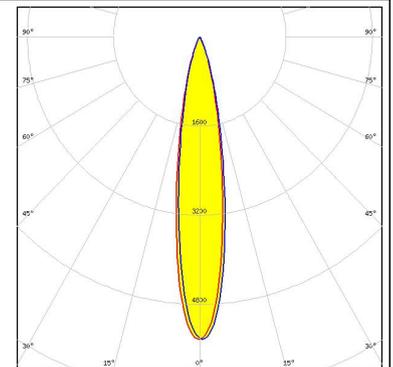
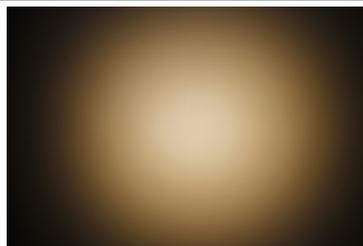
FWHM 18.0°

Efficiency 80 %

Peak intensity 5.430 cd/lm

Required components:

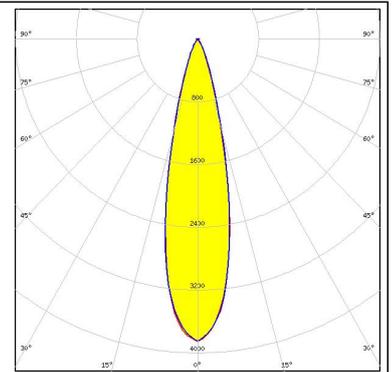
C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (SIMULATED):



LED NWSx229A
FWHM 24.0°
Efficiency 86 %
Peak intensity 3.870 cd/lm
Required components:
C14446_FLORENTINA-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.

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)