



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

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

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



FLORENTINA-HLD-RS

~10° real spot beam

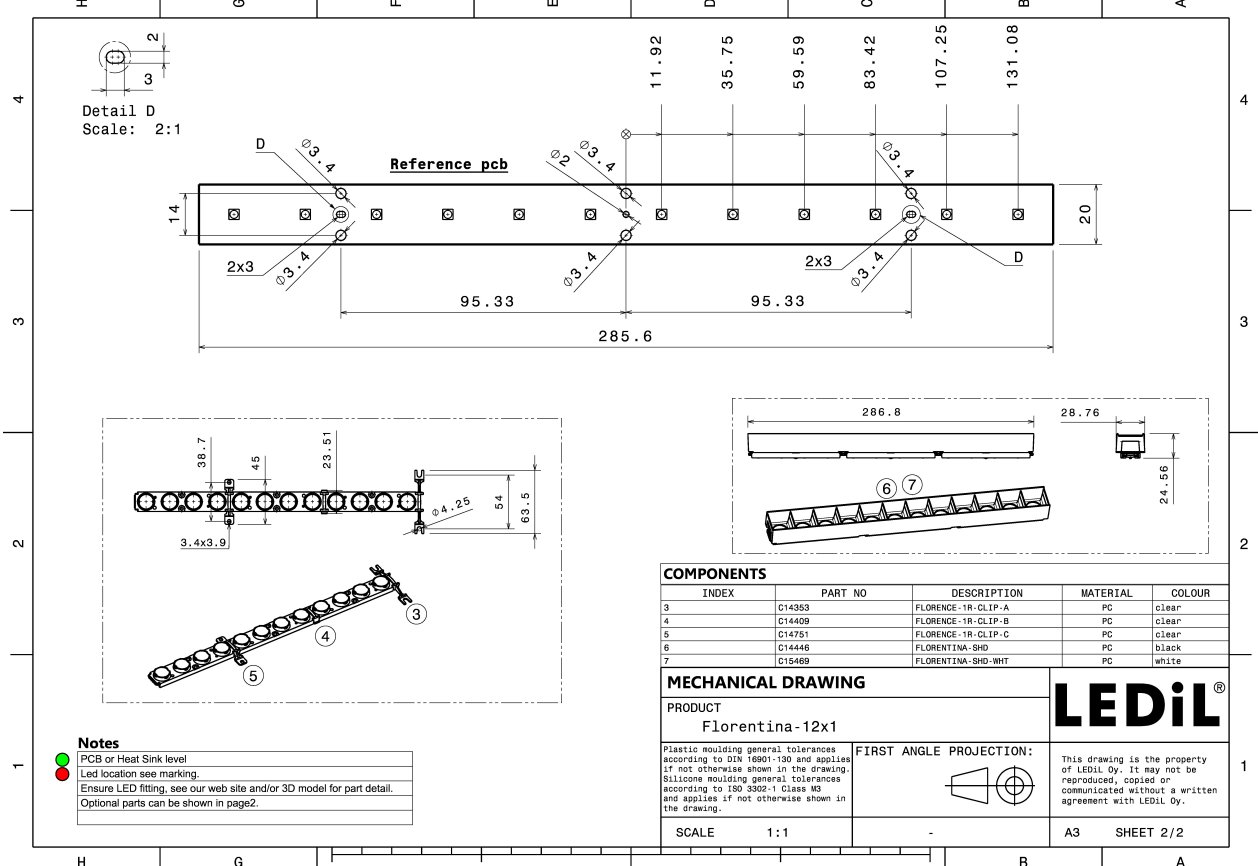
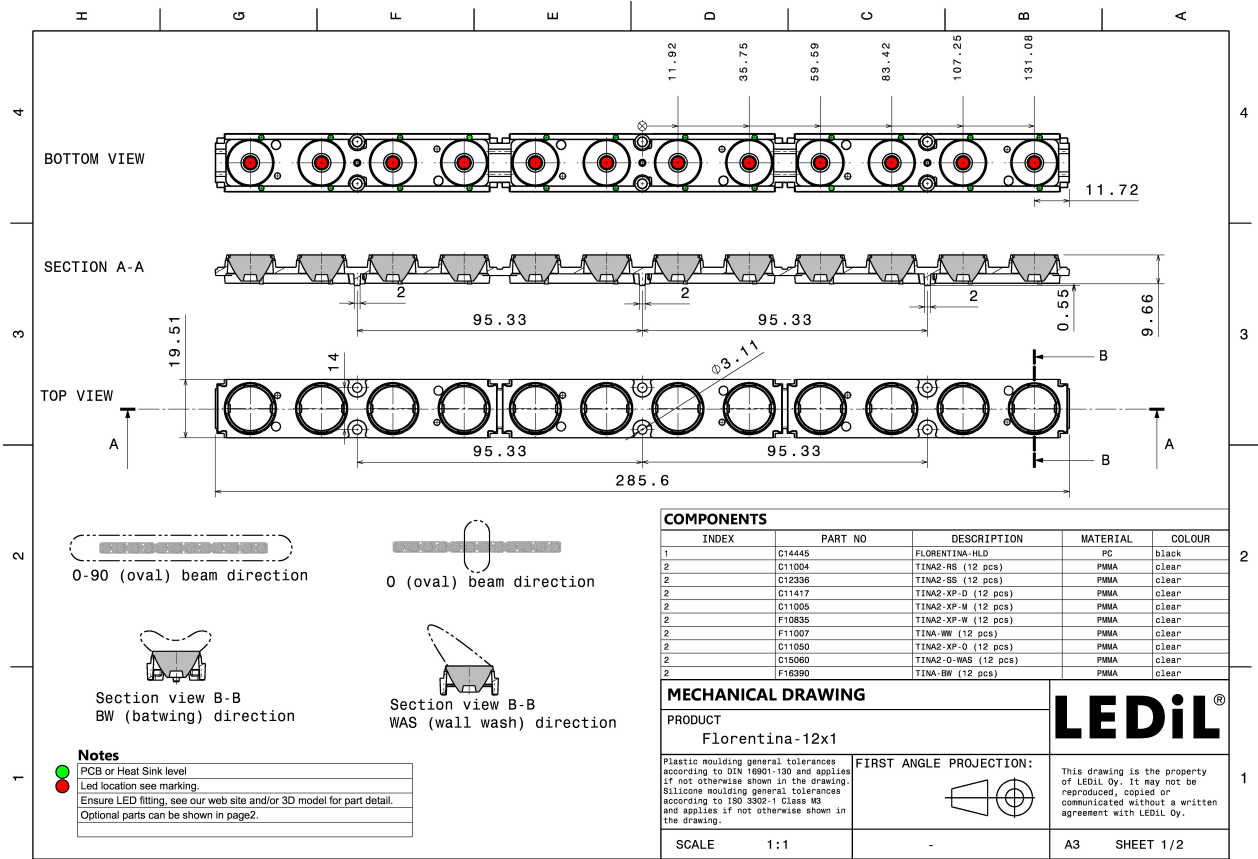
TECHNICAL SPECIFICATIONS:

Dimensions	285.6 x 19.5 mm
Height	9.5 mm
Fastening	clips
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:

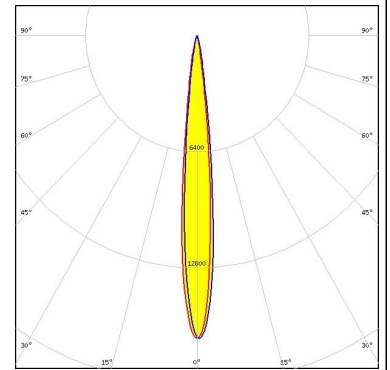
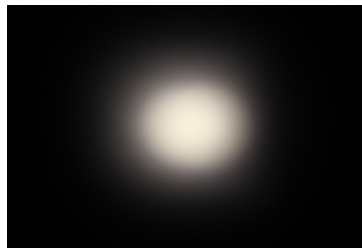
Component	Type	Material	Colour
TINA2-RS	Lens	PMMA	clear
FLORENTINA-HLD	Holder	PC	black



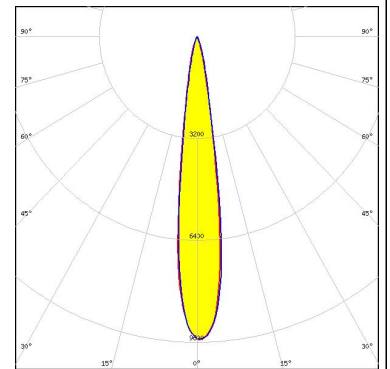
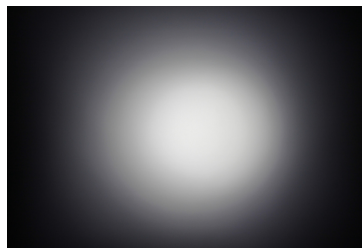
PHOTOMETRIC DATA (MEASURED):



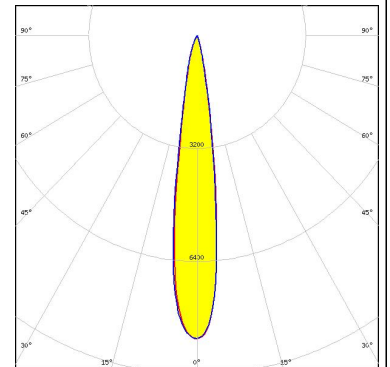
LED XP-E2
 FWHM 11.0°
 Efficiency 84 %
 Peak intensity 16.740 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



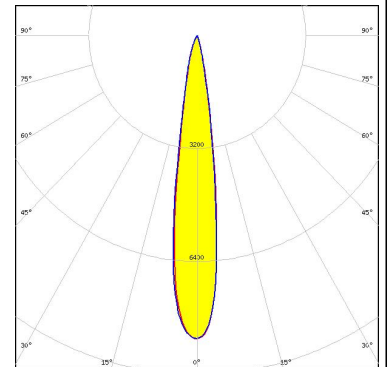
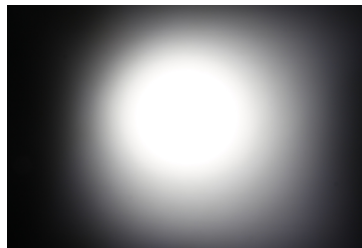
LED XP-G2
 FWHM 15.0°
 Efficiency 86 %
 Peak intensity 9.500 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



LED H35C1 (LEMWA33)
 FWHM 15.0°
 Efficiency 84 %
 Peak intensity 8.600 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



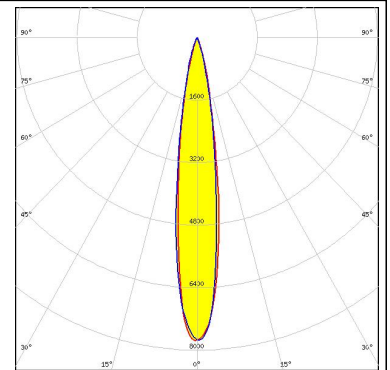
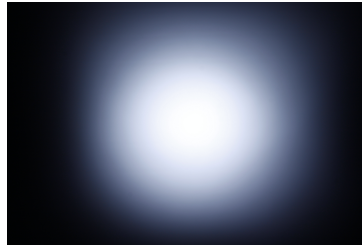
LED H35C1 (LEMWA33)
 FWHM 15.0°
 Efficiency 84 %
 Peak intensity 8.600 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (MEASURED):

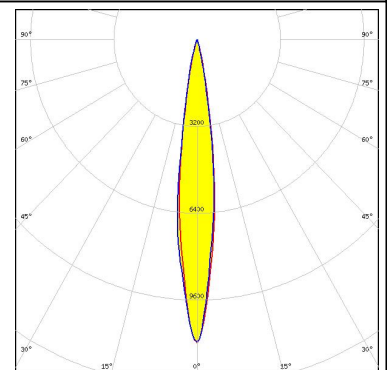
LUMILEDS

LED LUXEON Rebel ES
 FWHM 16.0°
 Efficiency 82 %
 Peak intensity 7.800 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



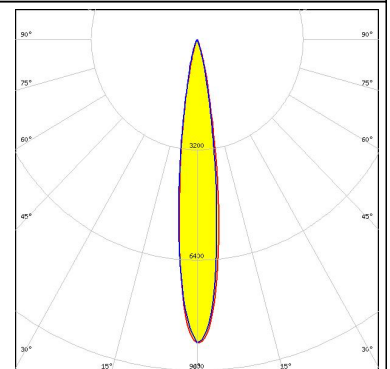
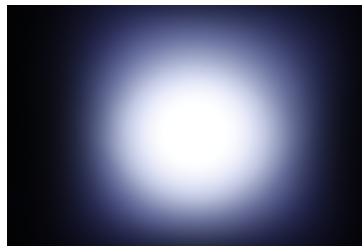
LUMILEDS

LED LUXEON Rebel Plus
 FWHM 14.0°
 Efficiency 82 %
 Peak intensity 11.200 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



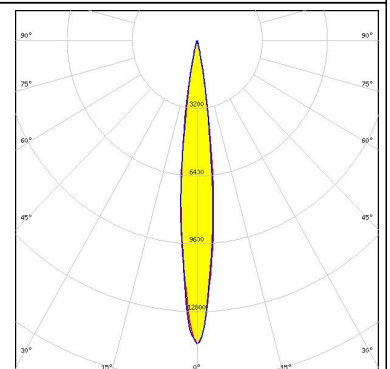
LUMILEDS

LED LUXEON TX
 FWHM 15.0°
 Efficiency 83 %
 Peak intensity 8.800 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



LUMILEDS

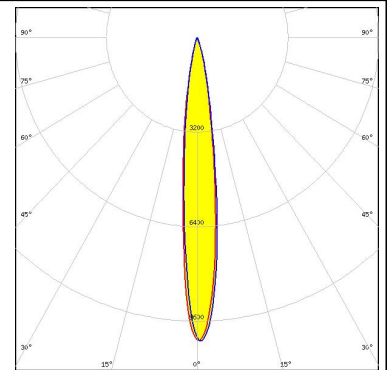
LED LUXEON Z ES
 FWHM 13.0°
 Efficiency 84 %
 Peak intensity 14.300 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



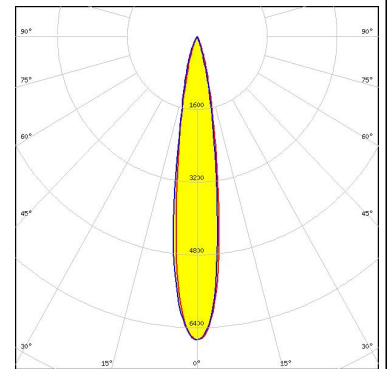
PHOTOMETRIC DATA (MEASURED):



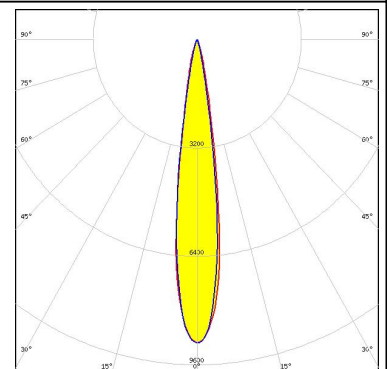
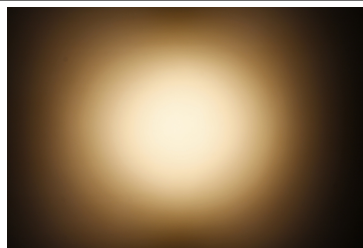
LED NCSxx19B
 FWHM 13.0°
 Efficiency 80 %
 Peak intensity 10.300 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



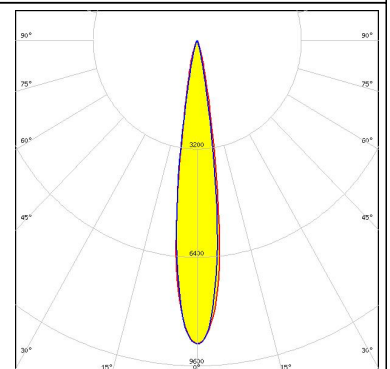
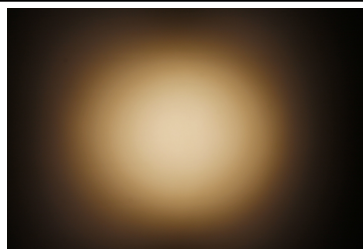
LED NVSxx19B/NVSxx19C
 FWHM 16.0°
 Efficiency 79 %
 Peak intensity 6.700 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



LED Oslon Square EC
 FWHM 15.0°
 Efficiency 81 %
 Peak intensity 9.000 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



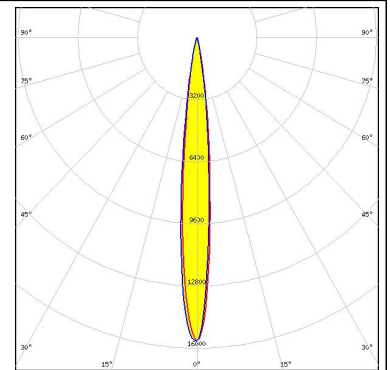
LED Oslon Square EC
 FWHM 15.0°
 Efficiency 81 %
 Peak intensity 8.950 cd/lm
 Required components:
 C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (MEASURED):

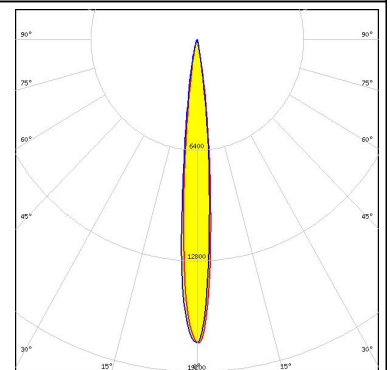
OSRAM
Opto Semiconductors

LED Oslon SSL 150
FWHM 11.0°
Efficiency 84 %
Peak intensity 15.600 cd/lm
Required components:



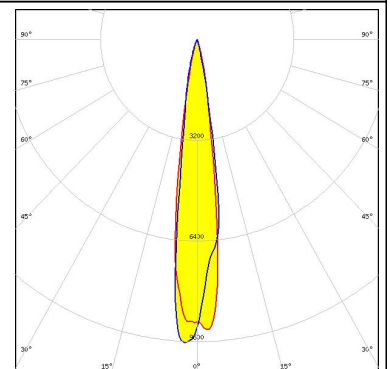
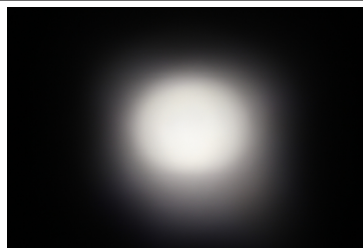
OSRAM
Opto Semiconductors

LED Oslon SSL 150
FWHM 11.0°
Efficiency 82 %
Peak intensity 17.600 cd/lm
Required components:
C14446_FLORENTINA-SHD



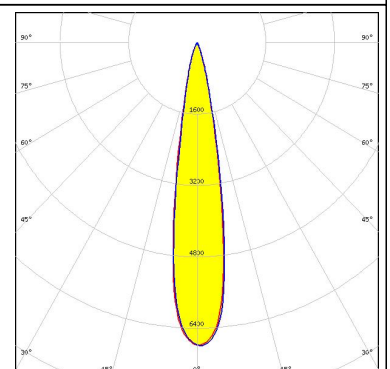
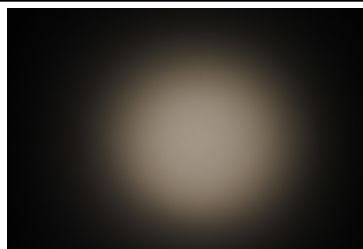
OSRAM
Opto Semiconductors

LED Oslon SSL 80
FWHM 15.0°
Efficiency 82 %
Peak intensity 9.760 cd/lm
Required components:
C14446_FLORENTINA-SHD



SAMSUNG

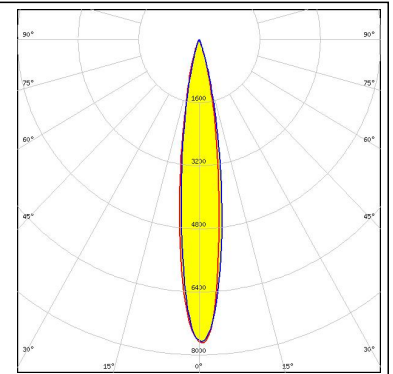
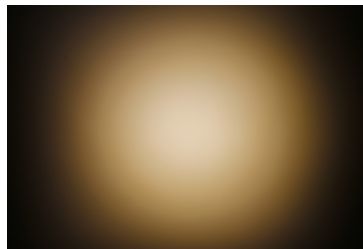
LED LH351B
FWHM 18.0°
Efficiency 84 %
Peak intensity 6.800 cd/lm
Required components:
C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (MEASURED):

TOSHIBA
Leading Innovation >>>

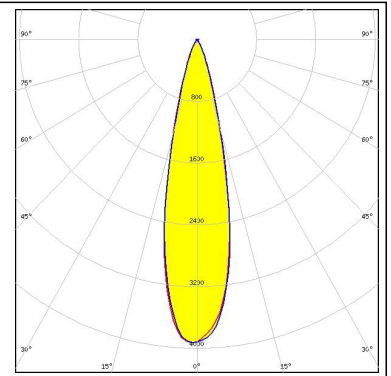
LED TL1L4
FWHM 16.0°
Efficiency 82 %
Peak intensity 7.700 cd/lm
Required components:
C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (SIMULATED):



LED NWSx229A
FWHM 24.0°
Efficiency 86 %
Peak intensity 3.950 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.

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