

FLORENTINA-HLD-WW

~45° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	285.6 x 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 ⓘ



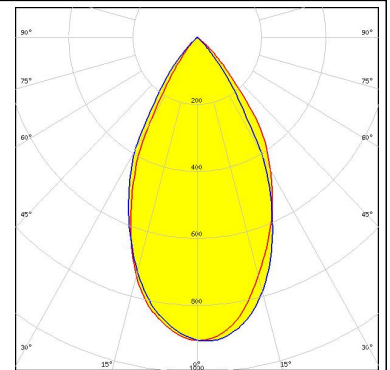
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA-WW-XP	Single lens	PMMA	clear
FLORENTINA-HLD	Holder	PC	black

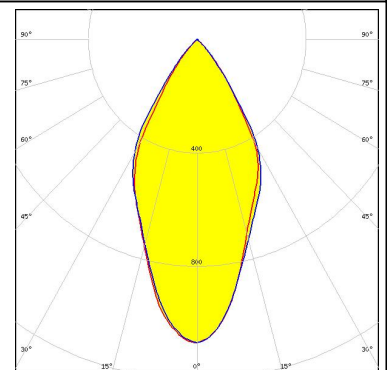
PHOTOMETRIC DATA (MEASURED):



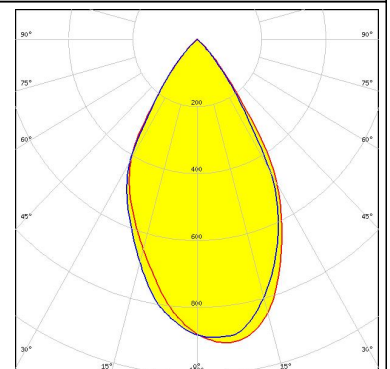
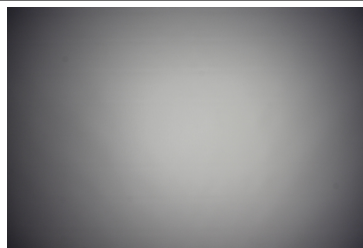
LED QUICK FLUX LED FL-XG 1x12 xxx
FWHM 56.0°
Efficiency 75 %
Peak intensity 0.910 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



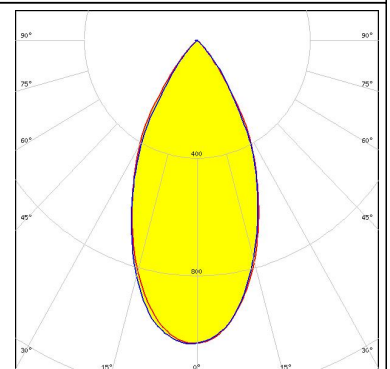
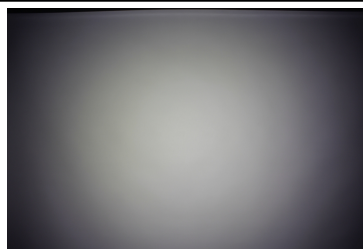
LED XP-E2
FWHM 52.0°
Efficiency 77 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



LED XP-G2
FWHM 59.0°
Efficiency 78 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



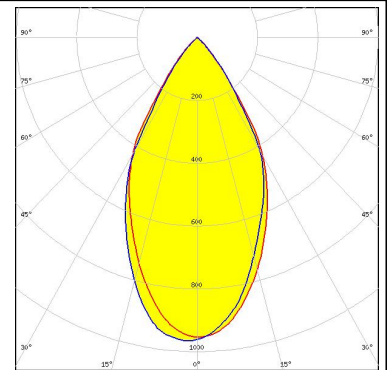
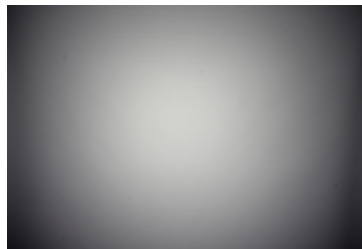
LED XP-G3
FWHM 50.0°
Efficiency 76 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (MEASURED):

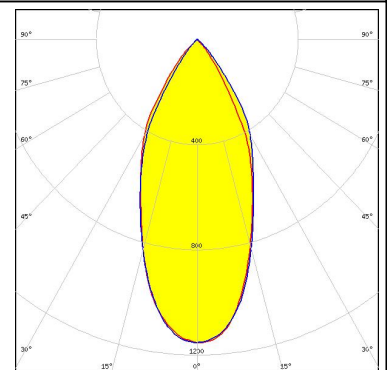
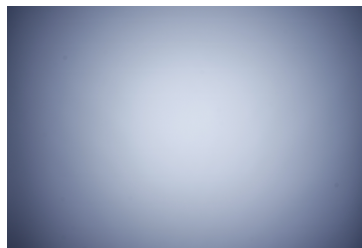
LG Innotek

LED H35C1 (LEMWA33)
 FWHM 56.0°
 Efficiency 77 %
 Peak intensity 0.970 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



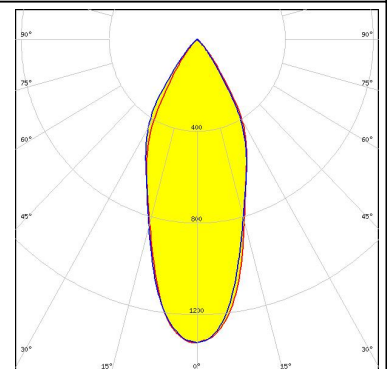
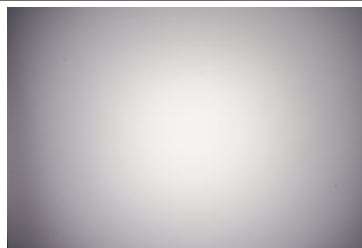
LUMILEDS

LED LUXEON Rebel ES
 FWHM 46.0°
 Efficiency 77 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



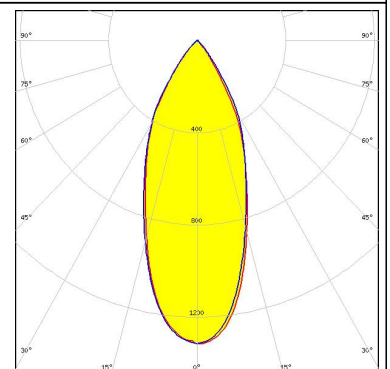
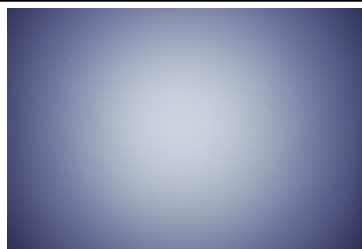
LUMILEDS

LED LUXEON Rebel Plus
 FWHM 40.0°
 Efficiency 79 %
 Peak intensity 1.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LUMILEDS

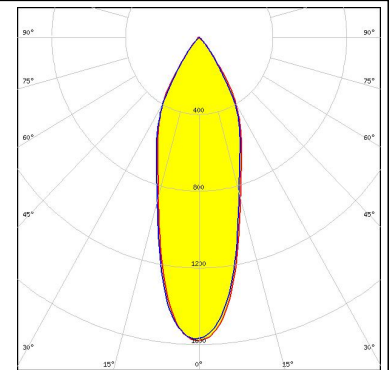
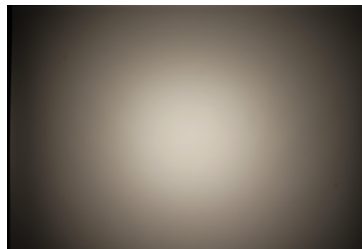
LED LUXEON TX
 FWHM 41.0°
 Efficiency 78 %
 Peak intensity 1.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



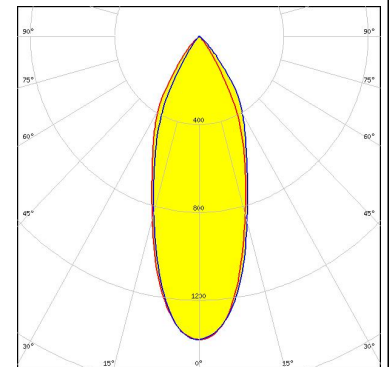
PHOTOMETRIC DATA (MEASURED):



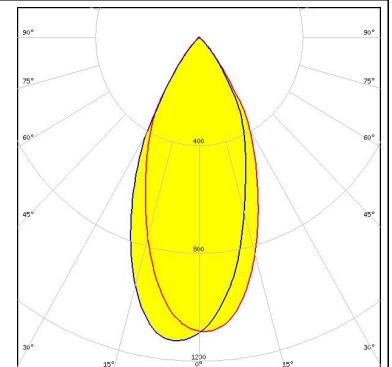
LED LUXEON Z ES
 FWHM 33.0°
 Efficiency 80 %
 Peak intensity 1.580 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



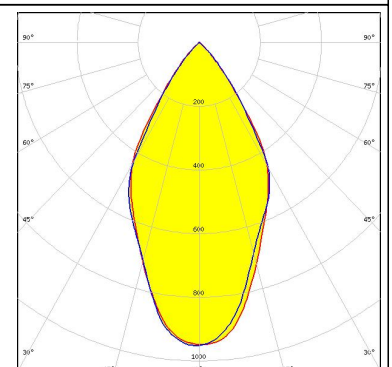
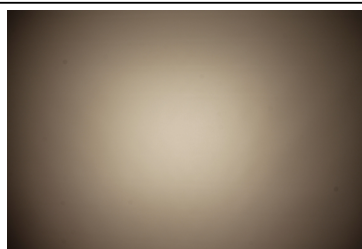
LED NCSxx19B
 FWHM 38.0°
 Efficiency 76 %
 Peak intensity 1.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED NVSxx19B/NVSxx19C
 FWHM 46.0°
 Efficiency 74 %
 Peak intensity 1.130 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED OSLOM Square EC
 FWHM 57.0°
 Efficiency 76 %
 Peak intensity 0.950 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD

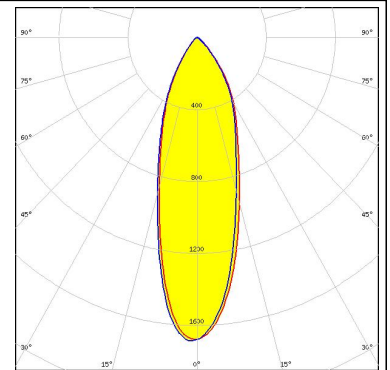
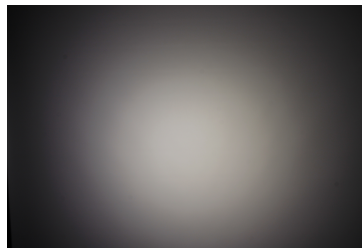


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

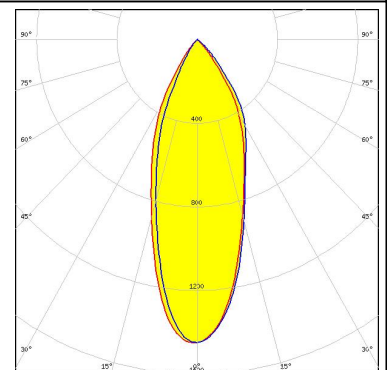
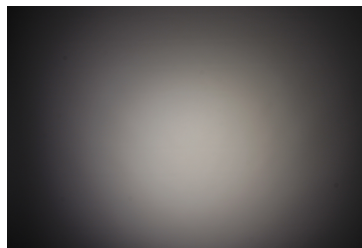
LED OSLOM SSL 150
 FWHM 32.0°
 Efficiency 85 %
 Peak intensity 1.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

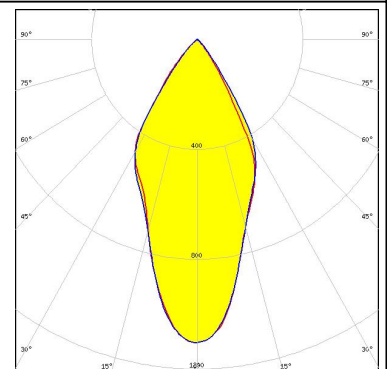
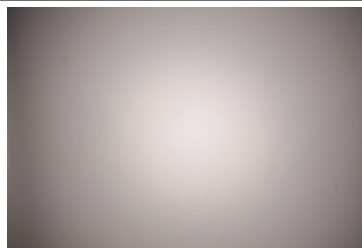
LED OSLOM SSL 150
 FWHM 37.0°
 Efficiency 79 %
 Peak intensity 1.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



OSRAM

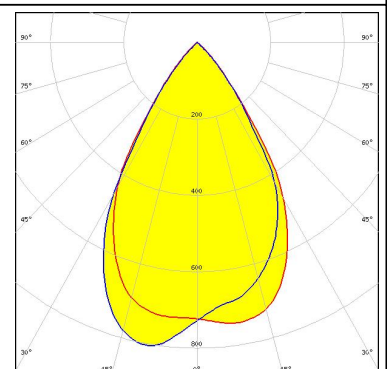
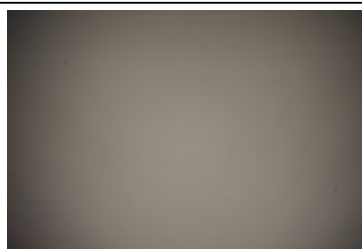
Opto Semiconductors

LED OSLOM SSL 80
 FWHM 47.0°
 Efficiency 75 %
 Peak intensity cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



SAMSUNG

LED LH351B
 FWHM 64.0°
 Efficiency 77 %
 Peak intensity 0.820 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD

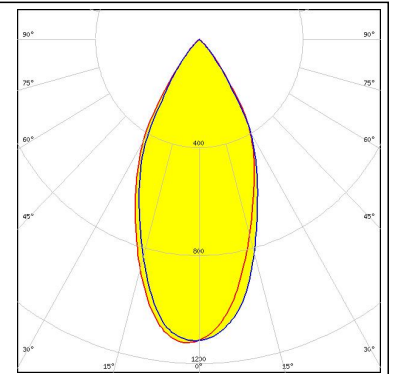
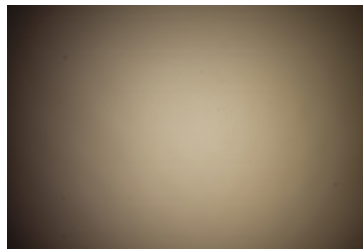


PHOTOMETRIC DATA (MEASURED):

TOSHIBA

Leading Innovation >>>

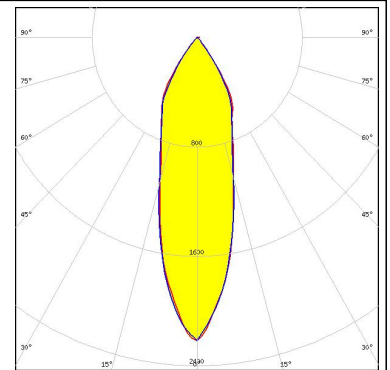
LED TL1L4
FWHM 48.0°
Efficiency 78 %
Peak intensity 1.130 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14446_FLORENTINA-SHD



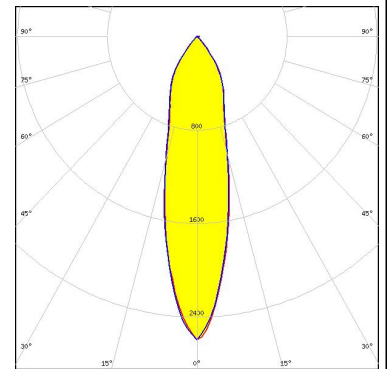
PHOTOMETRIC DATA (SIMULATED):



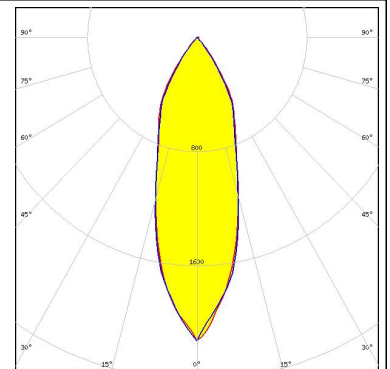
LED NCSxE17A
FWHM 29.0°
Efficiency 94 %
Peak intensity 2.220 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



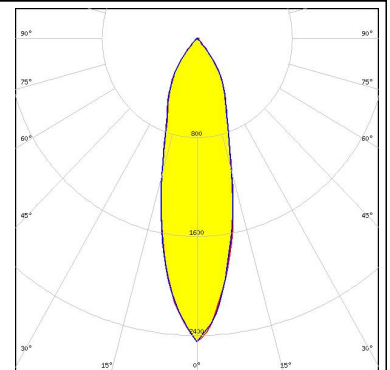
LED NCSxE17A
FWHM 25.0°
Efficiency 94 %
Peak intensity 2.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxE21A
FWHM 33.0°
Efficiency 94 %
Peak intensity 2.130 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



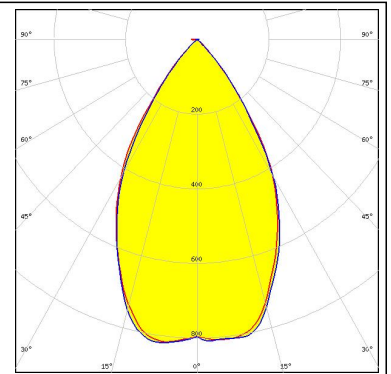
LED NVSxE21A
FWHM 28.0°
Efficiency 94 %
Peak intensity 2.450 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):



LED NWSx229A
FWHM 60.0°
Efficiency 77 %
Peak intensity 0.830 cd/lm
LEDs/each optic 1
Light colour White
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.

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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)

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