

FLORENTINA-1-MRK-M

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

SPECIFICATION:

Dimensions	39.7 x 39.7 mm
Height	13 mm
Fastening	pin
ROHS compliant	yes ⓘ



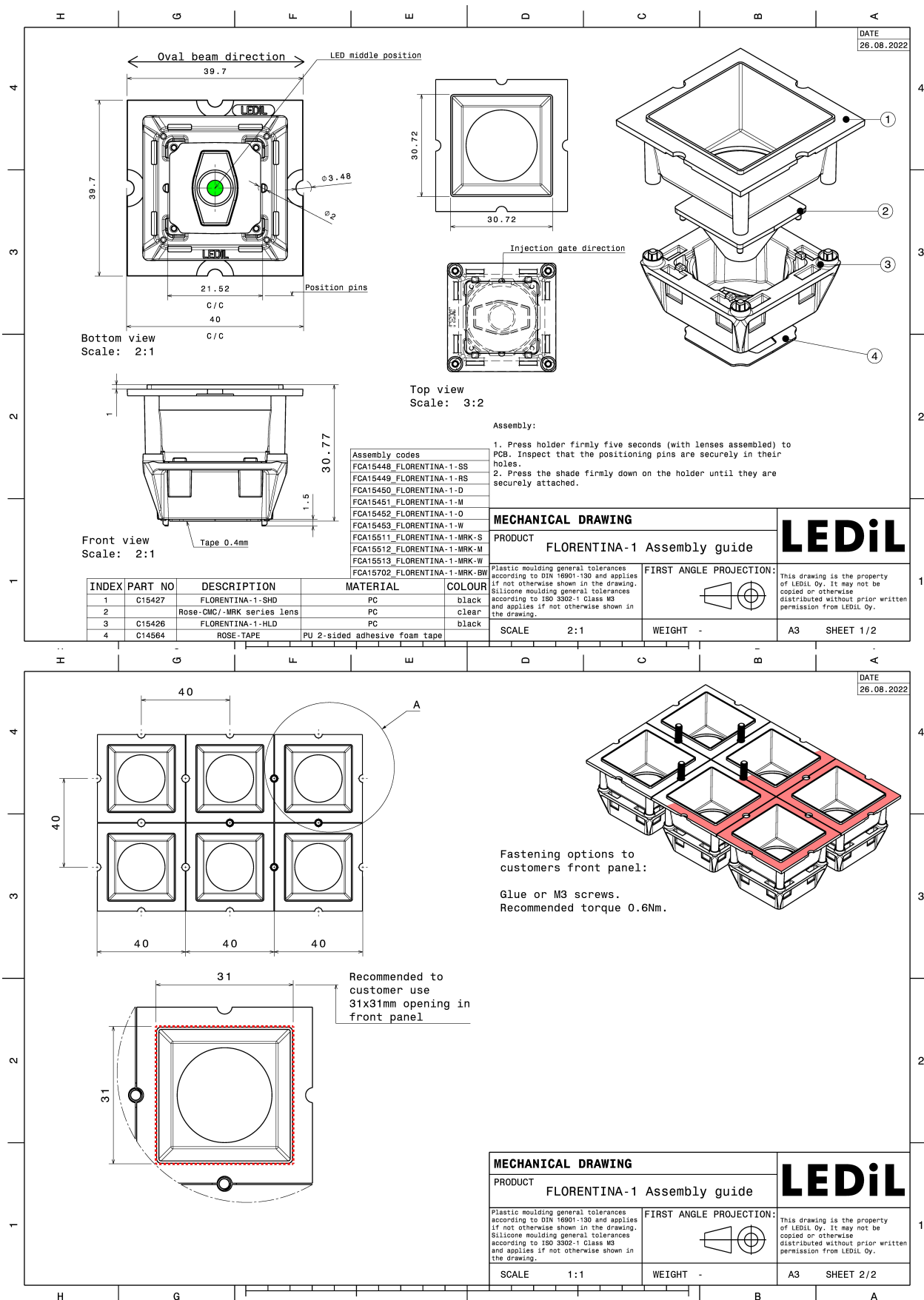
LEDiL®

MATERIALS:

Component	Type	Material	Colour	Finish
ROSE-MRK-M	Single lens	PC	clear	
FLORENTINA-1-HLD	Holder	PC	black	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA15512_FLORENTINA-1-MRK-M	Single lens	840		60	7.7
» Box size: 480 x 280 x 300 mm					

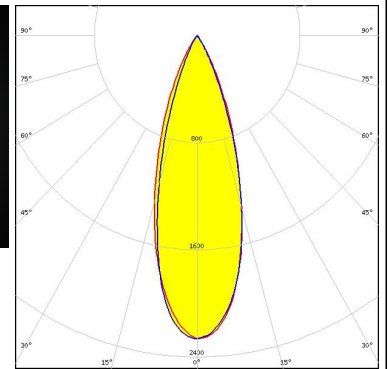
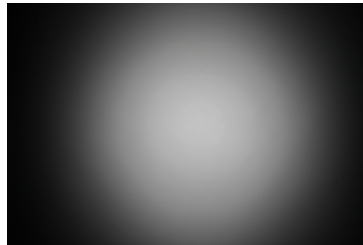


See also our general installation guide: www.ledil.com/installation_guide

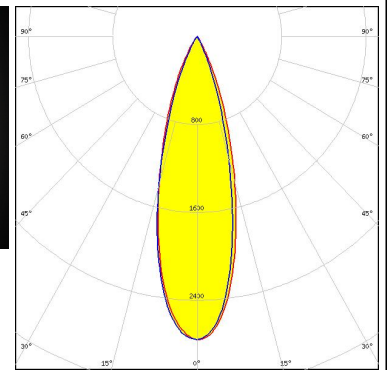
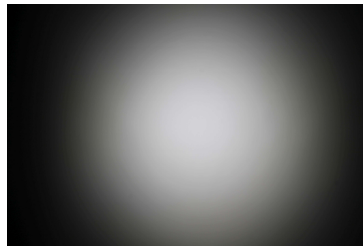
OPTICAL RESULTS (MEASURED):



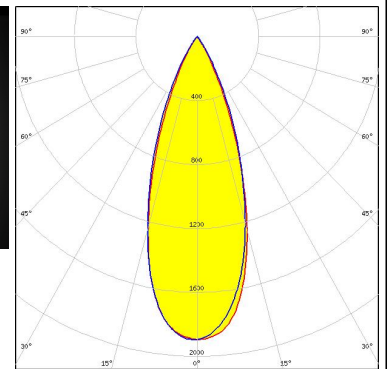
LED XHP35 HI
FWHM / FWTM 33.0° / 57.0°
Efficiency 77 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



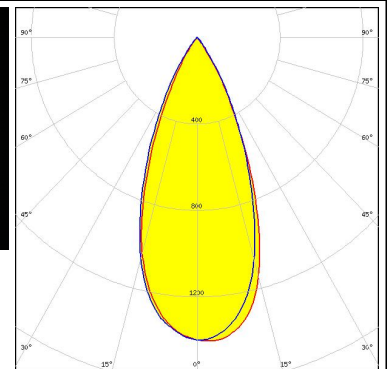
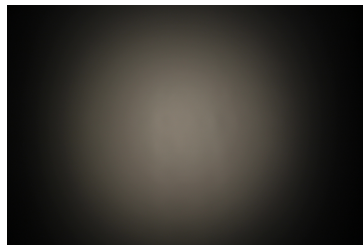
LED LUXEON 3030 2D (Round LES)
FWHM / FWTM 29.0° / 53.0°
Efficiency 79 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 5050 Round LES
FWHM / FWTM 37.0° / 61.0°
Efficiency 78 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



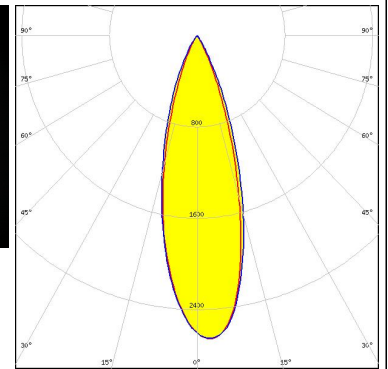
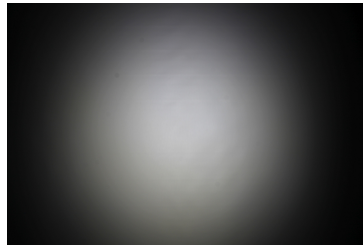
LED LUXEON M/MX
FWHM / FWTM 42.0° / 65.0°
Efficiency 75 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



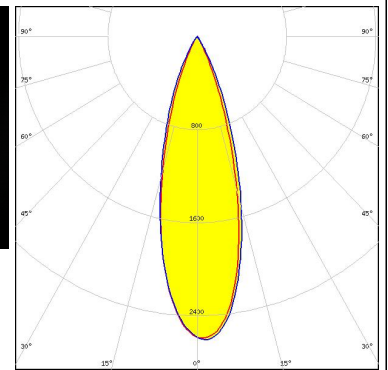
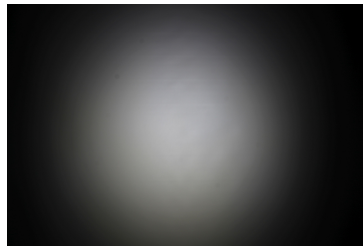
OPTICAL RESULTS (MEASURED):



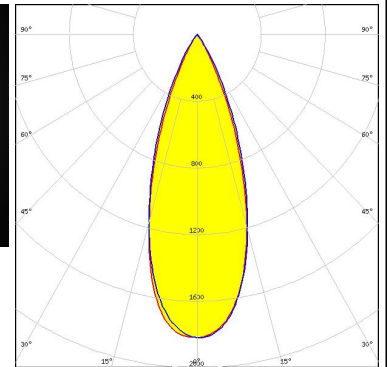
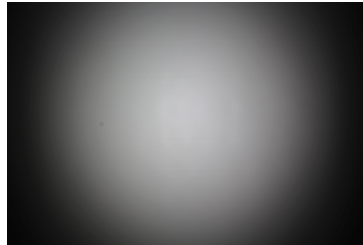
LED NF2x757G
 FWHM / FWTM 30.0° / 54.0°
 Efficiency 81 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



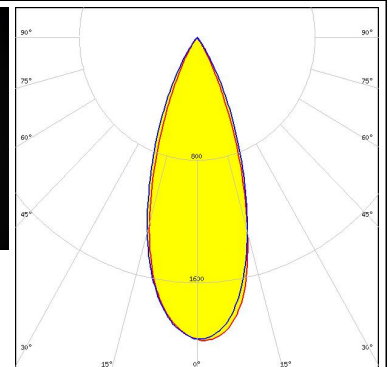
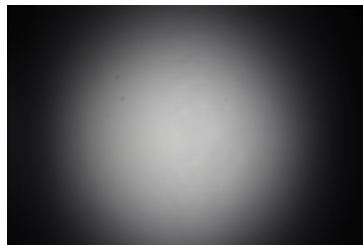
LED NF2x757G
 FWHM / FWTM 31.0° / 54.0°
 Efficiency 80 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16701_FLORENTINA-1-SHD-60-WHT



LED NFMW48xA
 FWHM / FWTM 37.0° / 61.0°
 Efficiency 75 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



LED NVSW319B
 FWHM / FWTM 21.0° / 40.0°
 Efficiency 75 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60

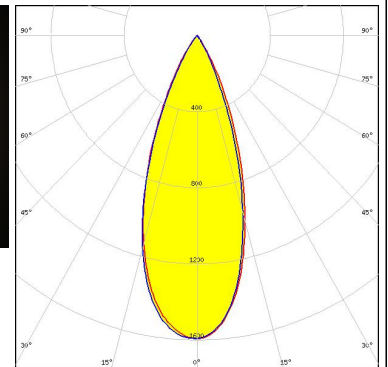
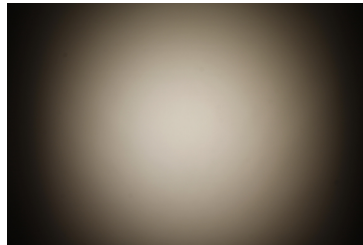


OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

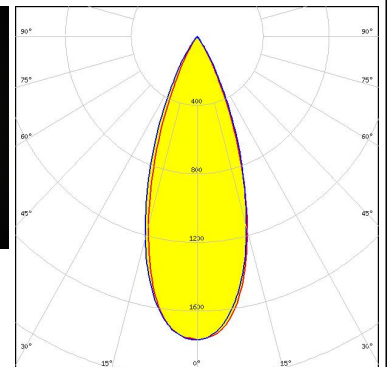
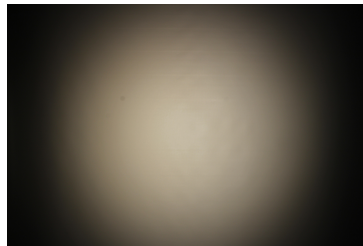
LED Duris S10
FWHM / FWTM 38.0° / 62.0°
Efficiency 70 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



OSRAM

Opto Semiconductors

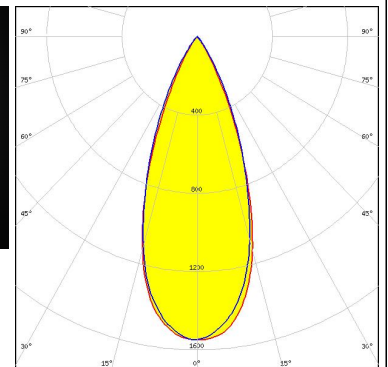
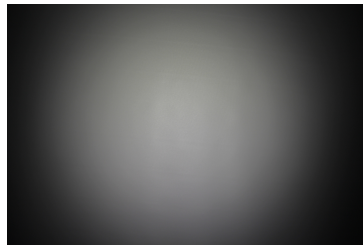
LED Duris S8
FWHM / FWTM 38.0° / 61.0°
Efficiency 75 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



OSRAM

Opto Semiconductors

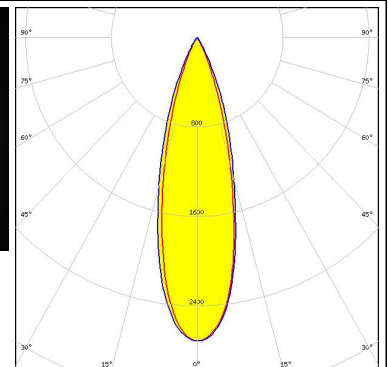
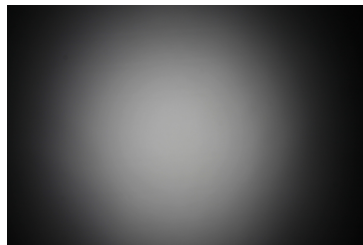
LED OSCONIQ P 7070
FWHM / FWTM 40.0° / 62.0°
Efficiency 74 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



OSRAM

Opto Semiconductors

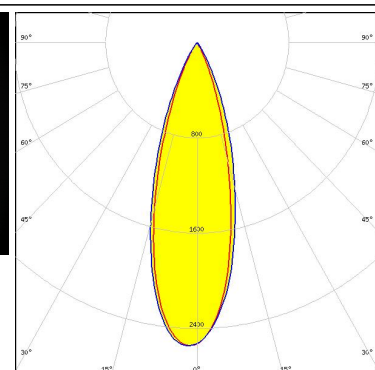
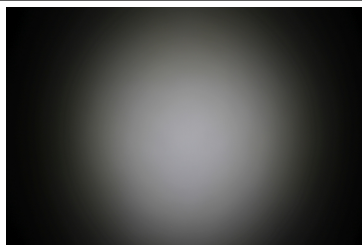
LED OSLON SSL 150
FWHM / FWTM 27.0° / 49.0°
Efficiency 76 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



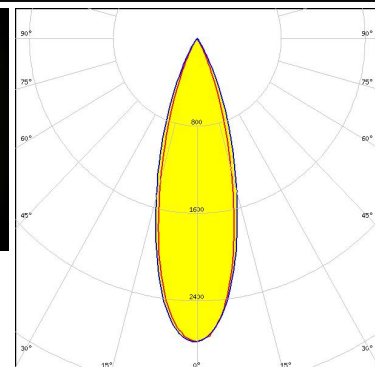
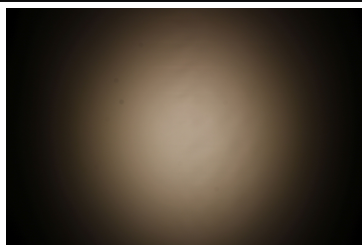
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED LM561B
 FWHM / FWTM 31.0° / 55.0°
 Efficiency 80 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



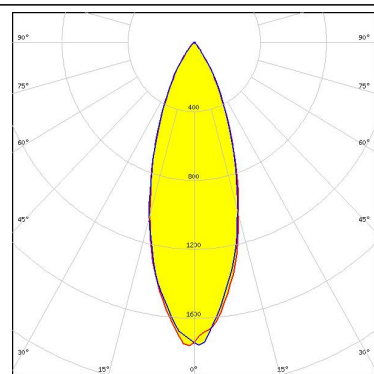
SEOUL SEMICONDUCTOR
 LED SEOUL 5630
 FWHM / FWTM 30.0° / 54.0°
 Efficiency 83 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH351B
FWHM / FWTM	35.0° / 68.0°
Efficiency	77 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C15427_FLORENTINA-1-SHD-60



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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