

FLORENTINA-1-D

~18° diffused spot beam

SPECIFICATION:

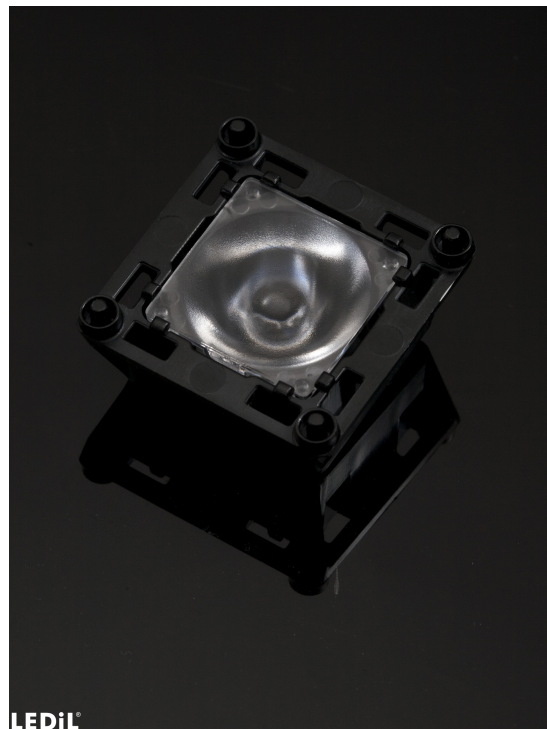
Dimensions	39.7 x 39.7 mm
Height	13 mm
Fastening	tape
ROHS compliant	yes ⓘ

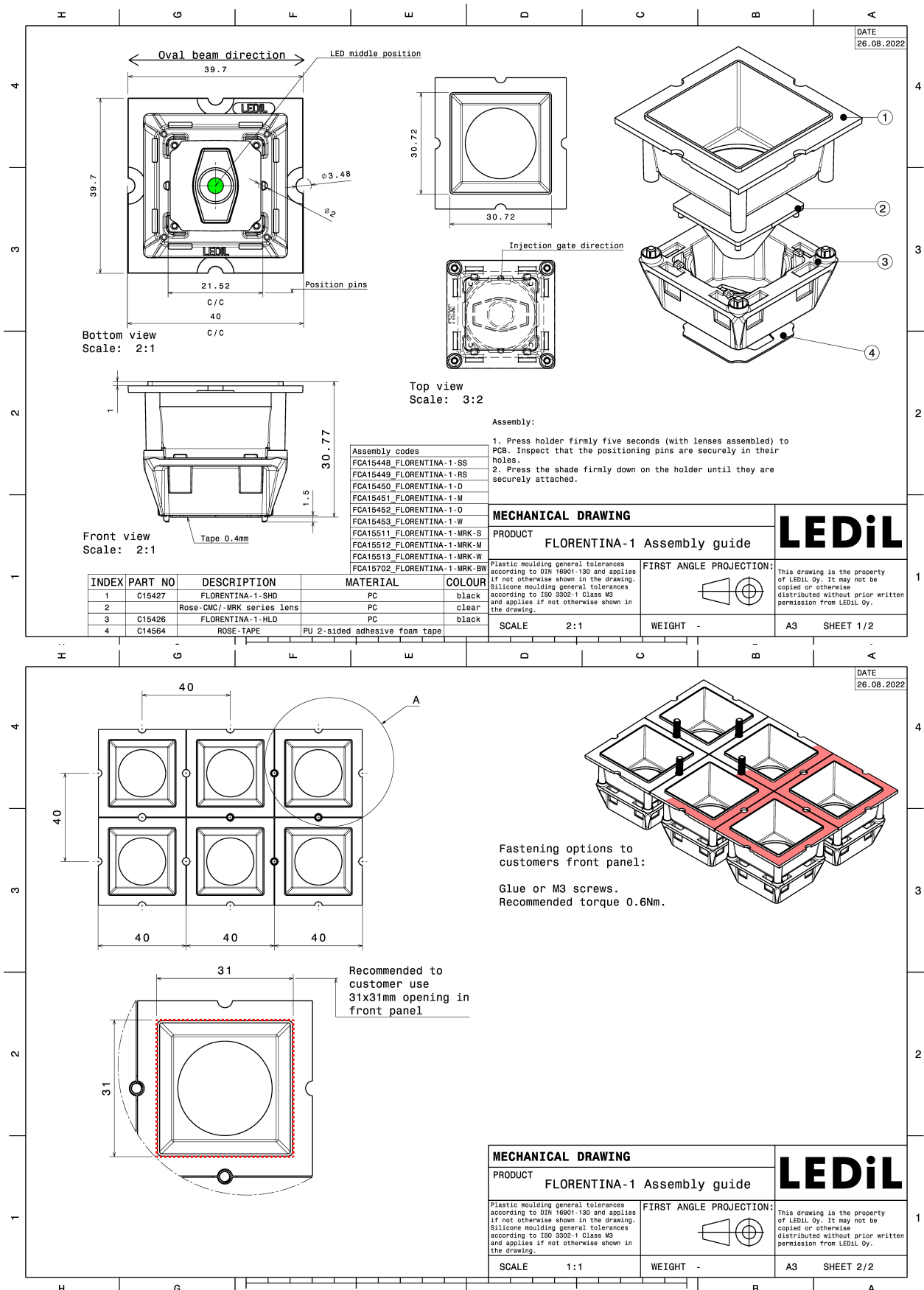
MATERIALS:

Component	Type	Material	Colour	Finish	Length
ROSE-CMC-D	Single lens	PC	clear		21.6
FLORENTINA-1-HLD	Holder	PC	black		32.6
ROSE-TAPE	Tape	Acrylic foam	black		21.6

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FCA15450_FLORENTINA-1-D » Box size: 480 x 280 x 300 mm	840		60	7.9



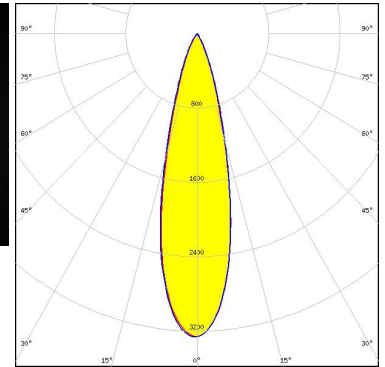


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



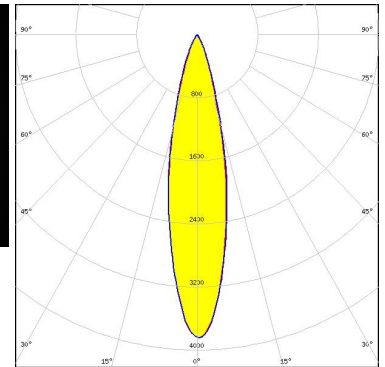
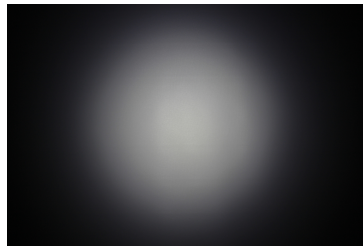
LED Bridgelux SMD 5050
 FWHM / FWTM 26.0° / 48.0°
 Efficiency 78 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



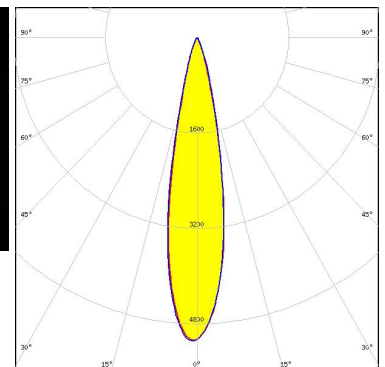
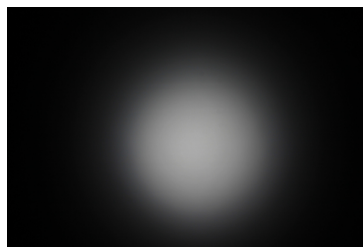
LED XHP35 HD
 FWHM / FWTM 23.0° / 45.0°
 Efficiency 77 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



LED XHP35 HI
 FWHM / FWTM 21.0° / 37.0°
 Efficiency 77 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

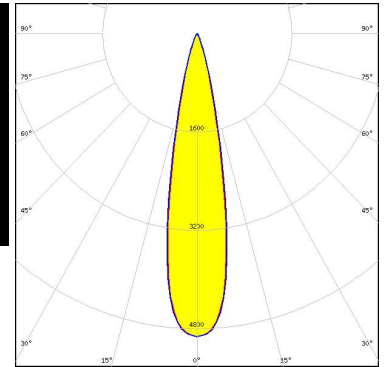


Light distribution files

OPTICAL RESULTS (MEASURED):



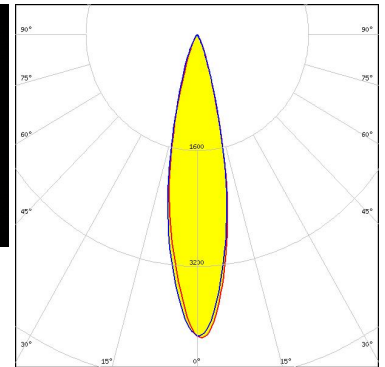
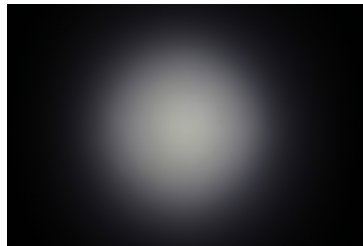
LED XP-G2
 FWHM / FWTM 21.0° / 37.0°
 Efficiency 77 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



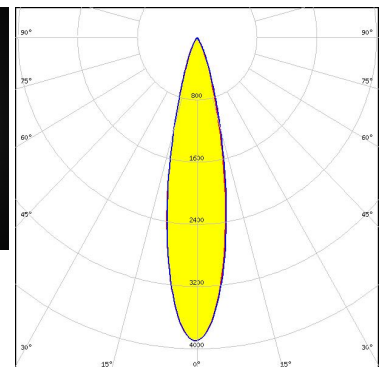
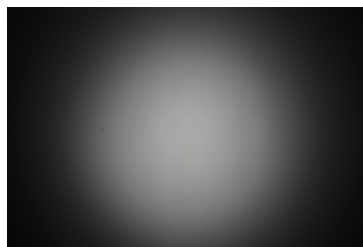
LED XP-L HD
 FWHM / FWTM 23.0° / 42.0°
 Efficiency 76 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



LED XP-L2
 FWHM / FWTM 23.0° / 44.0°
 Efficiency 75 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60

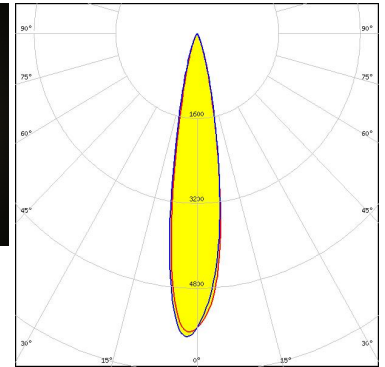
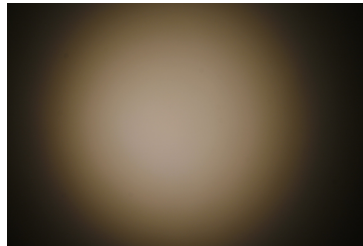


Light distribution files

OPTICAL RESULTS (MEASURED):



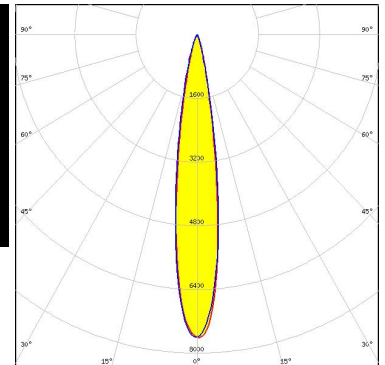
LED XT-E
 FWHM / FWTM 18.0° / 35.0°
 Efficiency 76 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



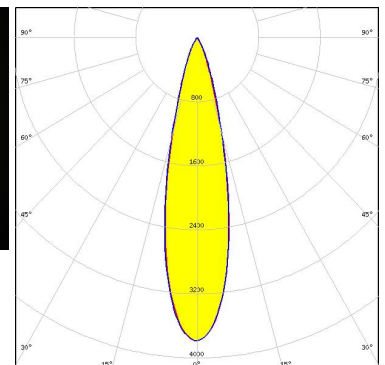
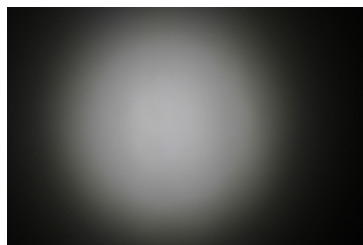
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 16.0° / 31.0°
 Efficiency 79 %
 Peak intensity 7.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON 5050 Round LES
 FWHM / FWTM 24.0° / 45.0°
 Efficiency 79 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60

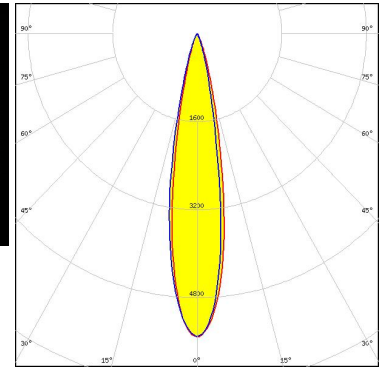


Light distribution files

OPTICAL RESULTS (MEASURED):



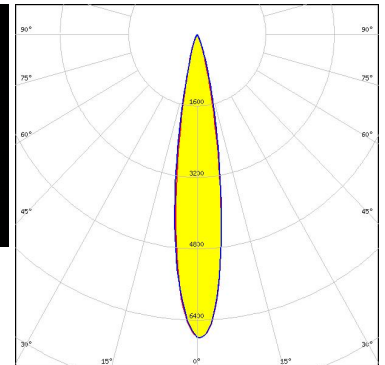
LED LUXEON TX
 FWHM / FWTM 19.0° / 36.0°
 Efficiency 77 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



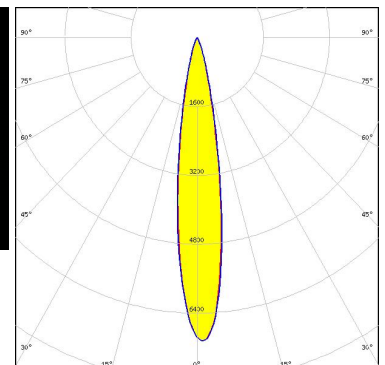
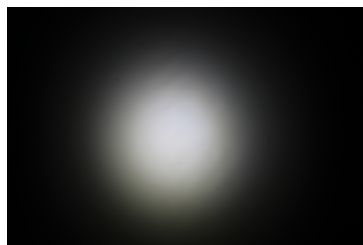
LED NF2x757G
 FWHM / FWTM 18.0° / 34.0°
 Efficiency 82 %
 Peak intensity 6.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16701_FLORENTINA-1-SHD-60-WHT



Light distribution files



LED NF2x757G
 FWHM / FWTM 17.0° / 33.0°
 Efficiency 81 %
 Peak intensity 7.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60

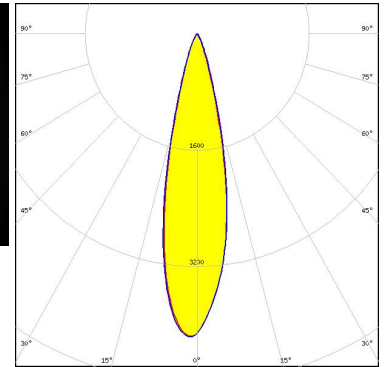


Light distribution files

OPTICAL RESULTS (MEASURED):



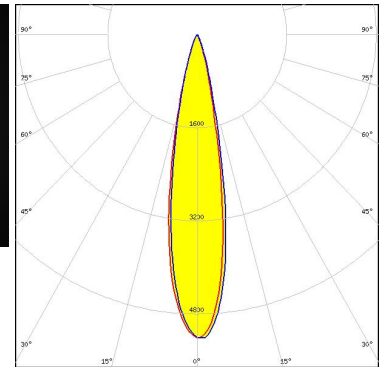
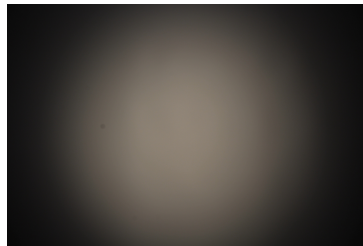
LED NVSW319B
 FWHM / FWTM 24.0° / 42.0°
 Efficiency 79 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



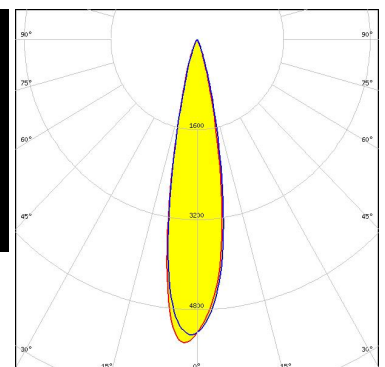
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 20.0° / 37.0°
 Efficiency 78 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 79 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60

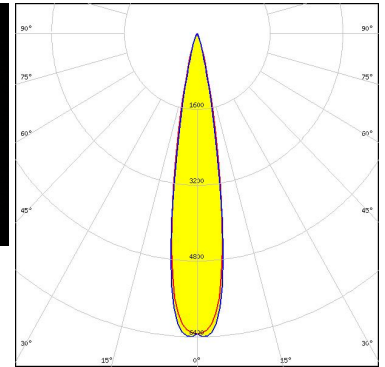


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

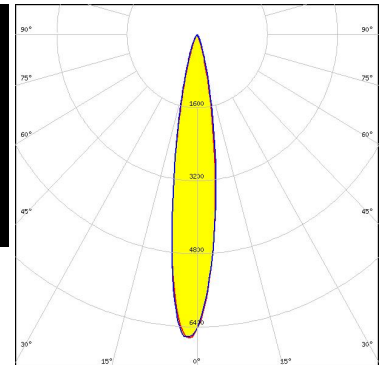
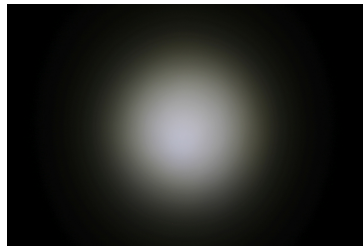
LED OSLON SSL 150
FWHM / FWTM 18.0° / 32.0°
Efficiency 77 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C15427_FLORENTINA-1-SHD-60



Light distribution files

SAMSUNG

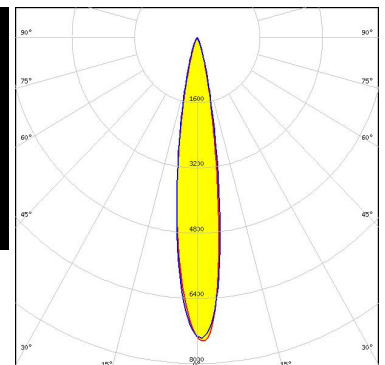
LED LM561B
FWHM / FWTM 17.0° / 34.0°
Efficiency 80 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C15427_FLORENTINA-1-SHD-60



Light distribution files

SEOUL
SEOUL SEMICONDUCTOR

LED SEOUL 5630
FWHM / FWTM 16.0° / 33.0°
Efficiency 82 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C15427_FLORENTINA-1-SHD-60

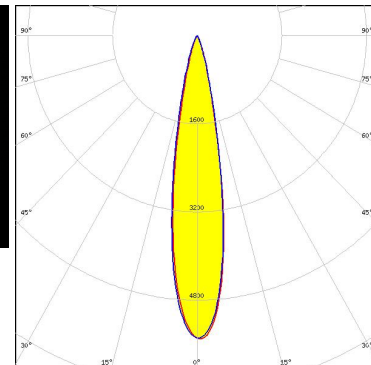
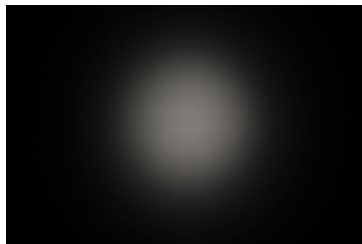


Light distribution files

OPTICAL RESULTS (MEASURED):



LED Z8Y22P
 FWHM / FWTM 19.0° / 35.0°
 Efficiency 75 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files

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:

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