

FLORENTINA-1-W

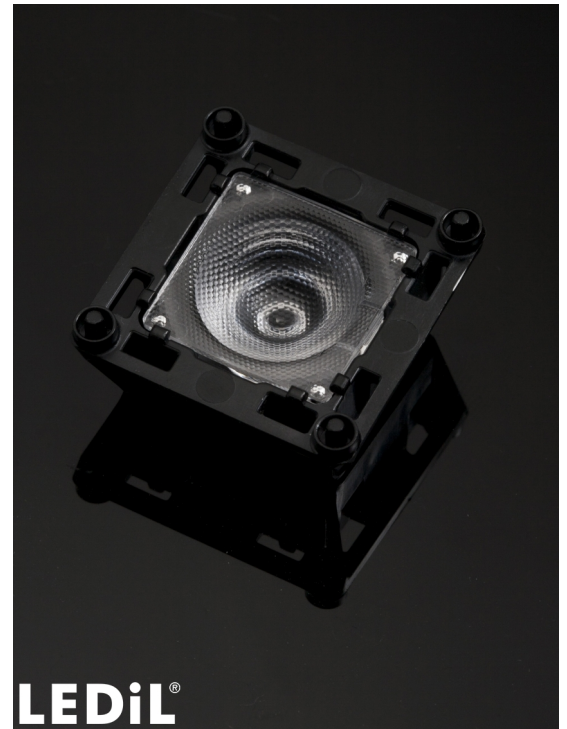
~40° wide beam

TECHNICAL SPECIFICATIONS:

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

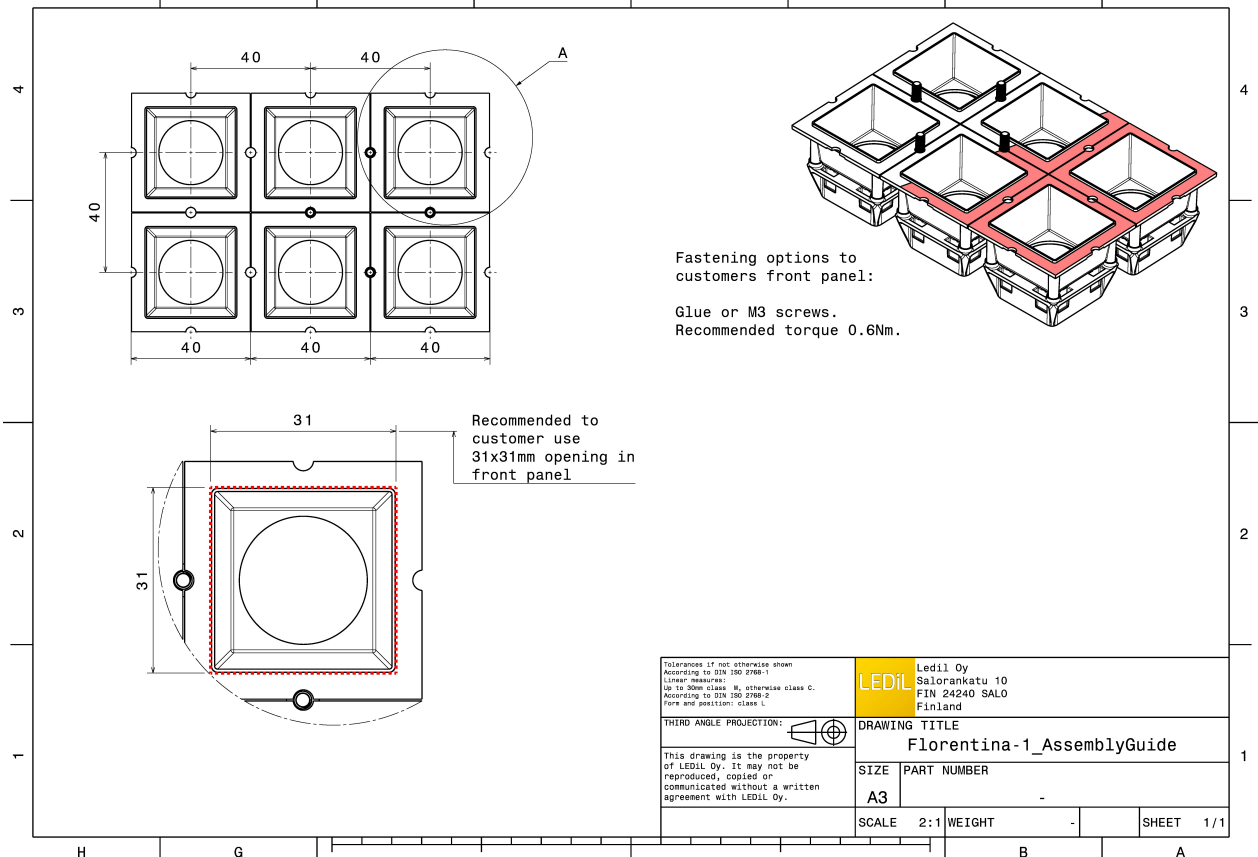
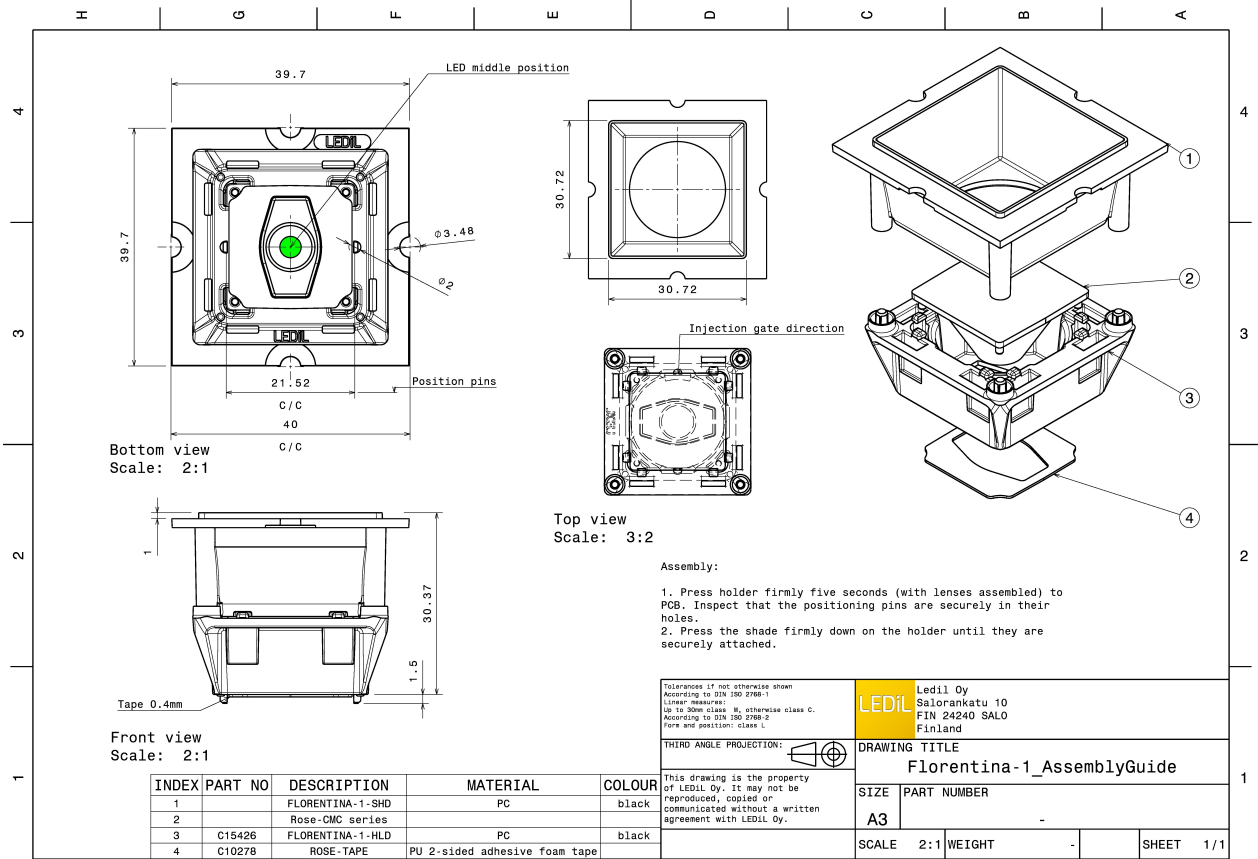
MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour | Finish |
|------------------|-------------|--------------|--------|--------|
| ROSE-C-C-W-V4 | Single lens | PC | clear | |
| FLORENTINA-1-HLD | Holder | PC | black | |
| ROSE-TAPE | Tape | Acrylic foam | black | |





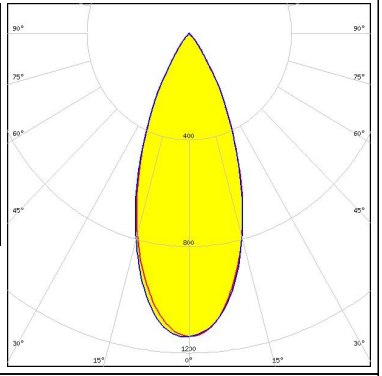


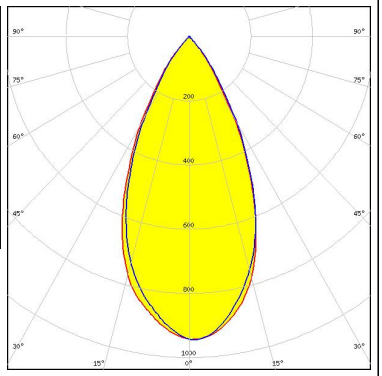


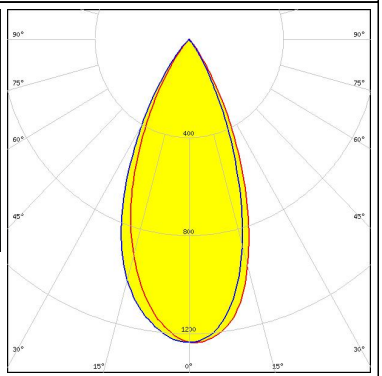


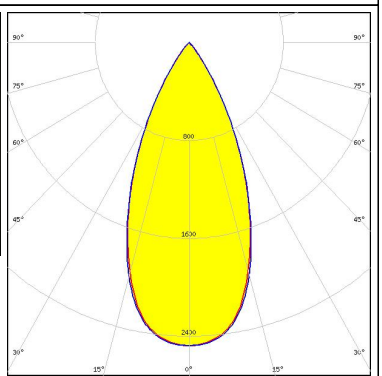
ORDERING INFORMATION:

| Component | Type | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|-------------|------------|-----|-----|-----------------|
| FCA15453_FLORENTINA-1-W » Box size: 480 x 280 x 300 mm | Single lens | 840 | | 60 | 7.1 |


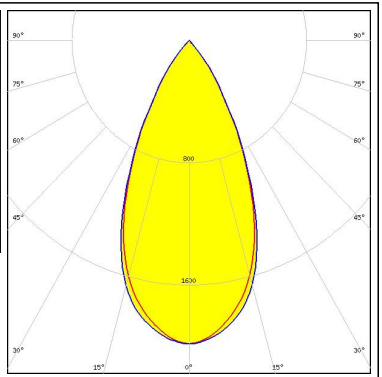

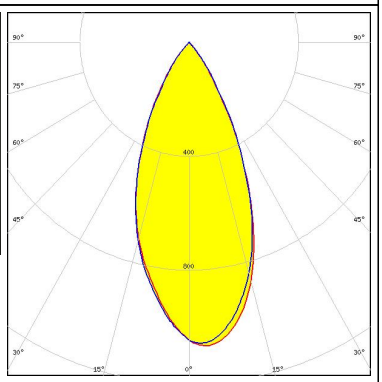
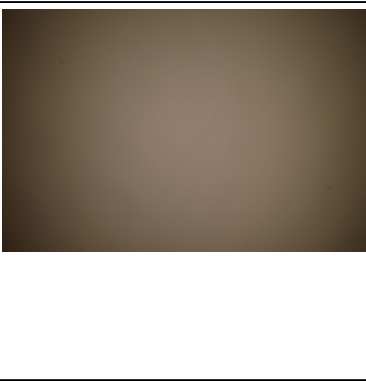
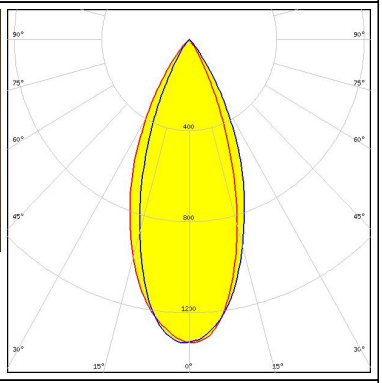

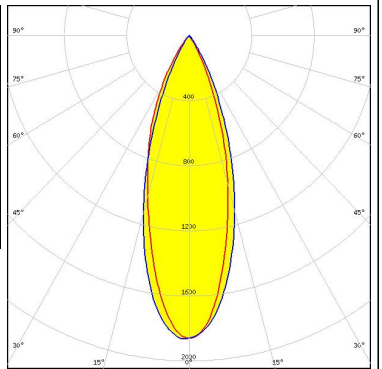


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

| | | |
|---|--|---|
| <p> LED Bridgelux SMD 5050</p> <p>FWHM / FWTM 41.0° / 68.0°</p> <p>Efficiency 61 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p> LED XHP35 HD</p> <p>FWHM / FWTM 50.0° / 78.0°</p> <p>Efficiency 67 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p> LED XHP35 HI</p> <p>FWHM / FWTM 45.0° / 71.0°</p> <p>Efficiency 72 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p> LED XP-G2</p> <p>FWHM / FWTM 44.0° / 71.0°</p> <p>Efficiency 72 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |

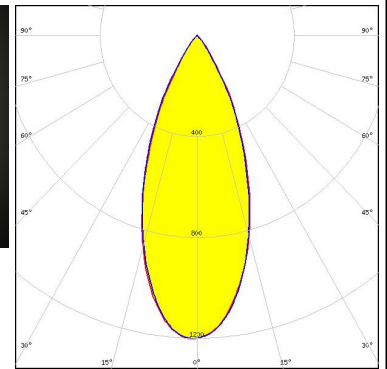
PHOTOMETRIC DATA (MEASURED):

| | | |
|---|--|---|
| <p>CREE LED</p> <p>LED: XP-L HD FWHM / FWTM: 49.0° / 77.0° Efficiency: 69 % Peak intensity: 1 cd/m LEDs/each optic: 1 Light colour: White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p>CREE LED</p> <p>LED: XP-L2 FWHM / FWTM: 45.0° / 74.0° Efficiency: 65 % Peak intensity: 1.1 cd/m LEDs/each optic: 1 Light colour: White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p>CREE LED</p> <p>LED: XT-E FWHM / FWTM: 42.0° / 68.0° Efficiency: 68 % Peak intensity: 1.3 cd/m LEDs/each optic: 1 Light colour: White Required components: C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p>LUMILEDS</p> <p>LED: LUXEON 3030 2D (Round LES) FWHM / FWTM: 34.0° / 61.0° Efficiency: 72 % Peak intensity: 1.9 cd/m LEDs/each optic: 1 Light colour: White Required components:</p> |  |  |

PHOTOMETRIC DATA (MEASURED):

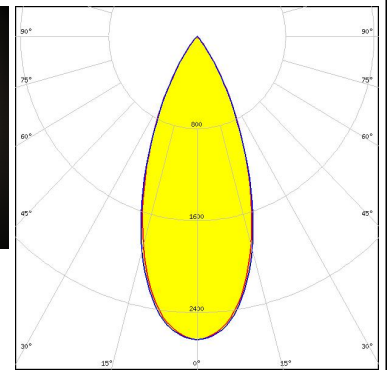
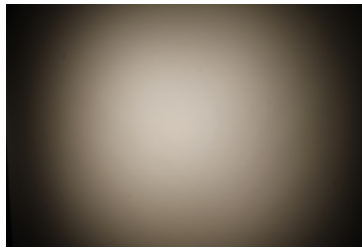
LUMILEDS

LED LUXEON 5050 Round LES
 FWHM / FWTM 42.0° / 69.0°
 Efficiency 64 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



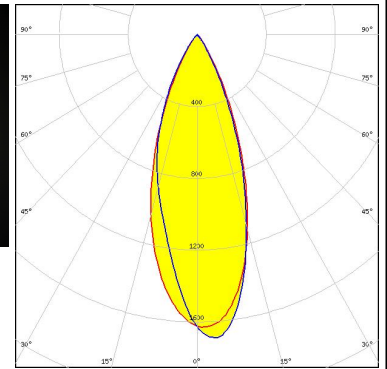
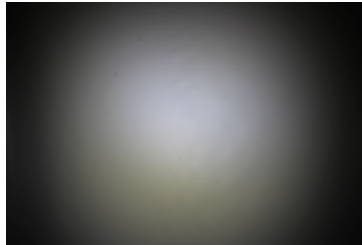
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 42.0° / 70.0°
 Efficiency 71 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



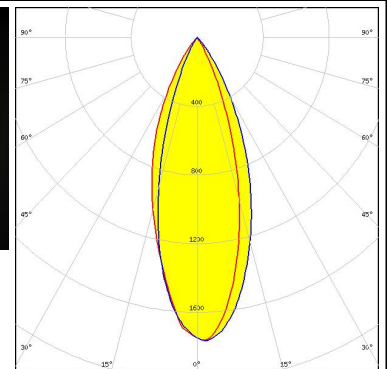
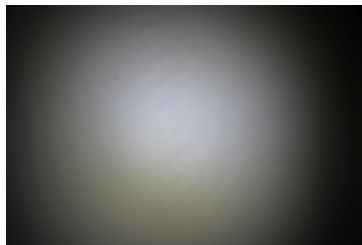
NICHIA

LED NF2x757G
 FWHM / FWTM 36.0° / 64.0°
 Efficiency 72 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16701_FLORENTINA-1-SHD-60-WHT



NICHIA

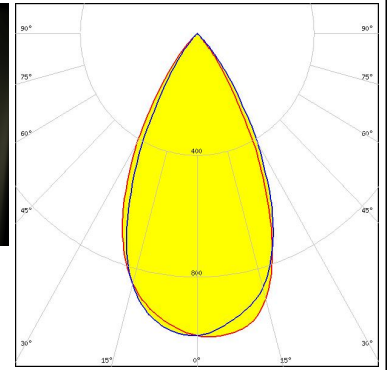
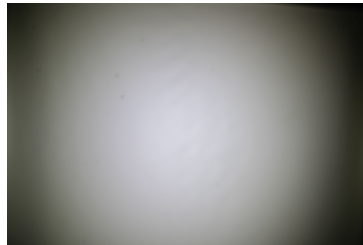
LED NF2x757G
 FWHM / FWTM 31.0° / 52.0°
 Efficiency 81 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



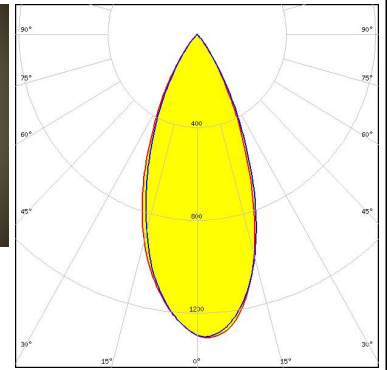
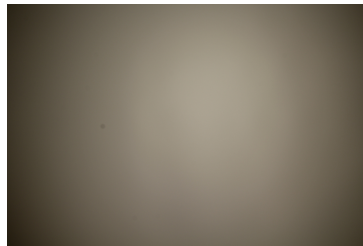
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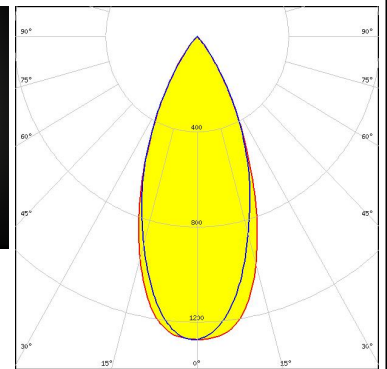
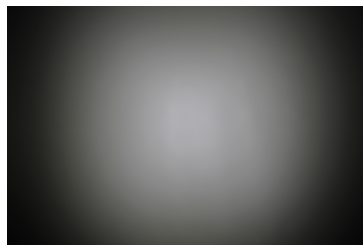
LED NVSW319B
 FWHM / FWTM 53.0° / 79.0°
 Efficiency 74 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



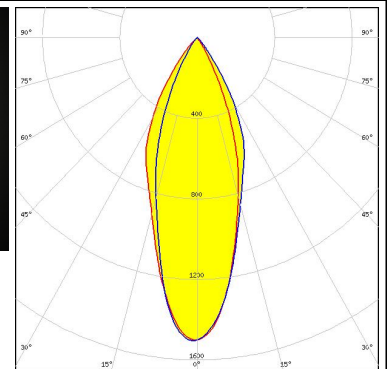
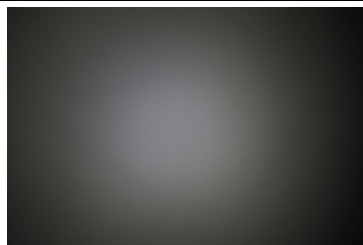
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 43.0° / 71.0°
 Efficiency 71 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



OSRAM Opto Semiconductors
 LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 44.0° / 72.0°
 Efficiency 73 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



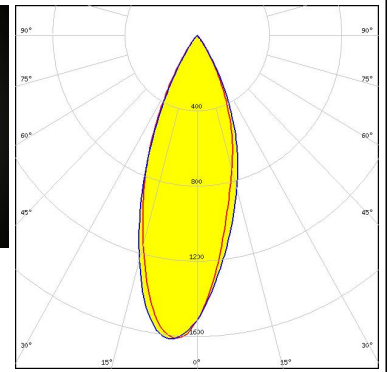
OSRAM Opto Semiconductors
 LED OSLON SSL 150
 FWHM / FWTM 36.0° / 69.0°
 Efficiency 69 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



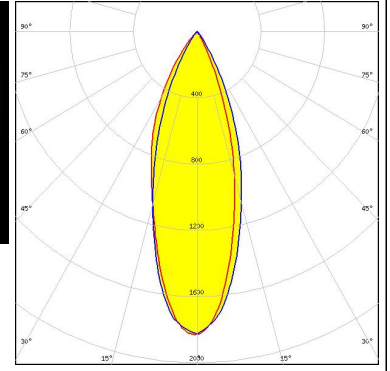
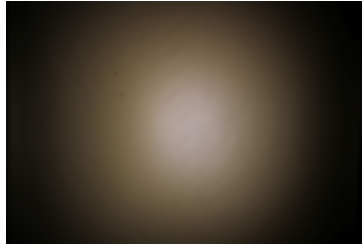
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

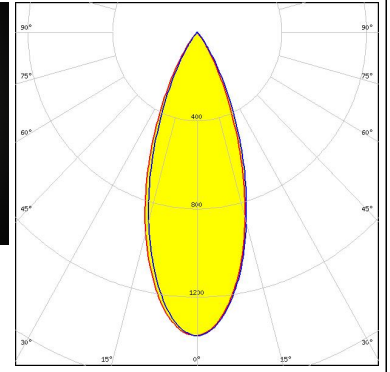
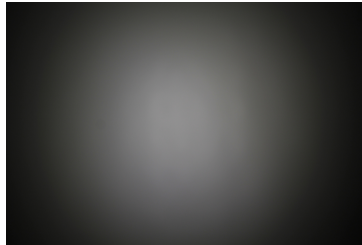
LED LM561B
 FWHM / FWTM 35.0° / 65.0°
 Efficiency 72 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



SEOUL SEMICONDUCTOR
 LED SEOUL 5630
 FWHM / FWTM 34.0° / 63.0°
 Efficiency 74 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



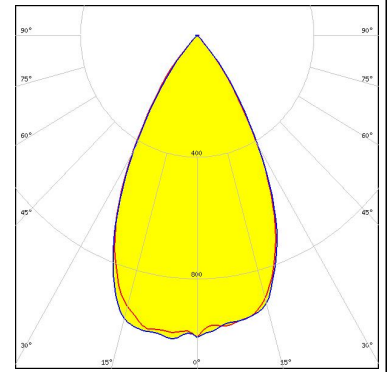
SEOUL SEMICONDUCTOR
 LED Z8Y22P
 FWHM / FWTM 38.0° / 65.0°
 Efficiency 63 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



PHOTOMETRIC DATA (SIMULATED):



LED XP-G2 HE
FWHM / FWTM 57.0° / 81.0°
Efficiency 83 %
Peak intensity 1 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:

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