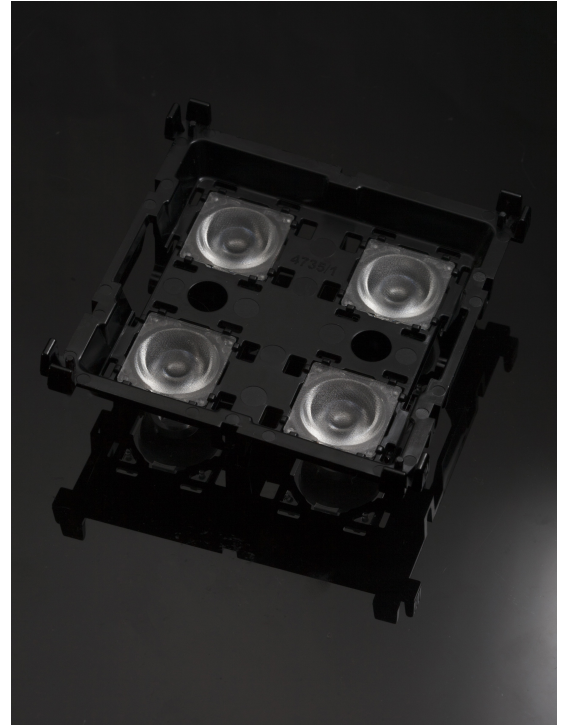


FLORENTINA-2X2-MRK-W

~50° wide beam. Compatible with ultra high power LEDs.

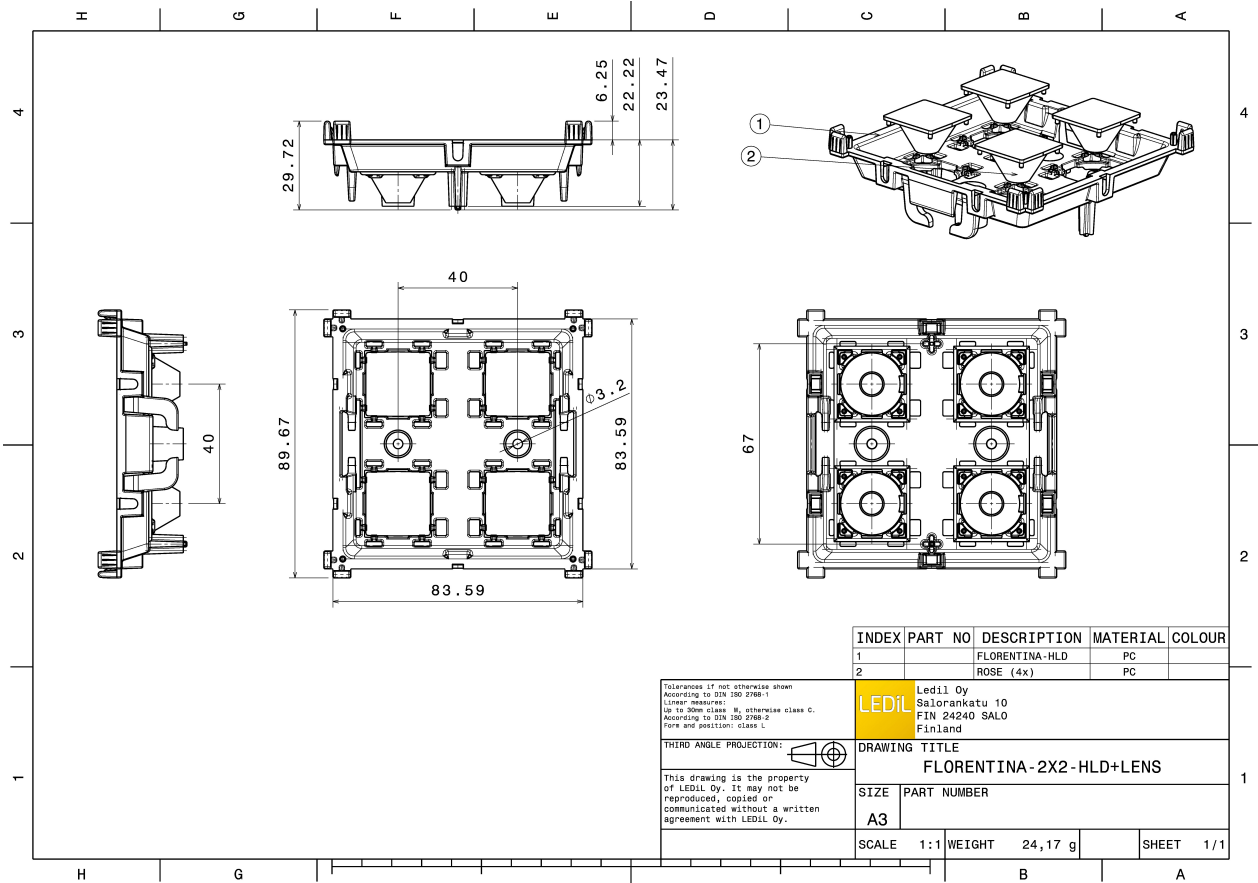
TECHNICAL SPECIFICATIONS:

| | |
|-----------------|--------------------|
| Dimensions | 95.57x95.57 mm |
| Height | 17.7 mm |
| Fastening | pin, screw |
| Colour | black |
| Box size | 476 x 273 x 292 mm |
| Box weight | 4.3 kg |
| Quantity in Box | 88 pcs |
| ROHS compliant | yes ⓘ |



MATERIAL SPECIFICATIONS:

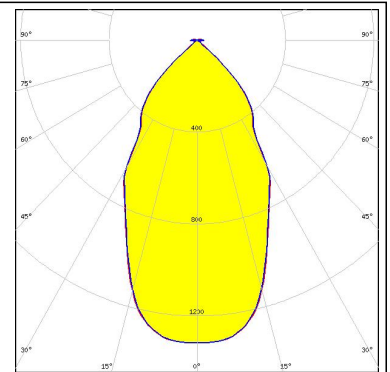
| Component | Type | Material | Colour |
|--------------------|--------|----------|--------|
| ROSE-MRK-W | Lens | PC | clear |
| FLORENTINA-2X2-HLD | Holder | PC | black |



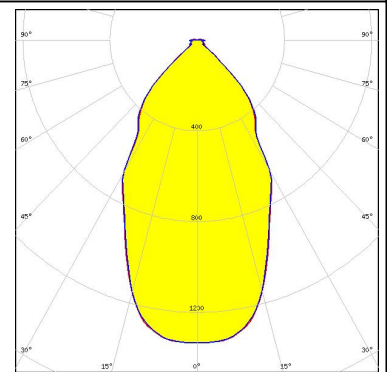
PHOTOMETRIC DATA (MEASURED):



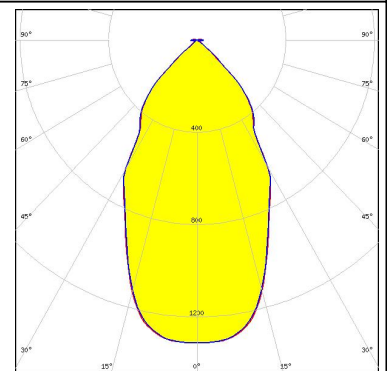
LED XHP35 HD
 FWHM 57.0°
 Efficiency 72 %
 Peak intensity 0.680 cd/lm
 Required components:
 C14734_FLORENTINA-2X2-SHD



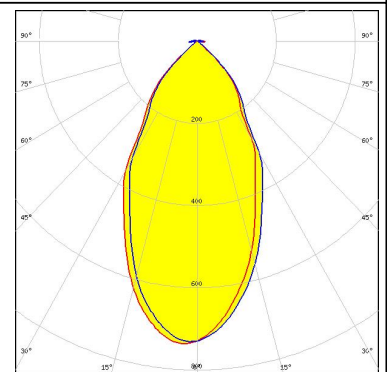
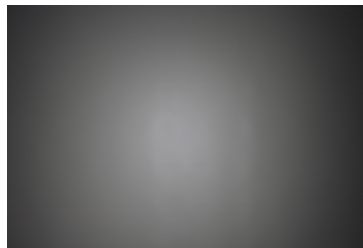
LED XHP35 HD
 FWHM 58.0°
 Efficiency 78 %
 Peak intensity 0.690 cd/lm
 Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



LED XHP35 HD
 FWHM 57.0°
 Efficiency 72 %
 Peak intensity 0.680 cd/lm
 Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN



LED XHP50
 FWHM 53.0°
 Efficiency 71 %
 Peak intensity 0.740 cd/lm
 Required components:
 C14734_FLORENTINA-2X2-SHD

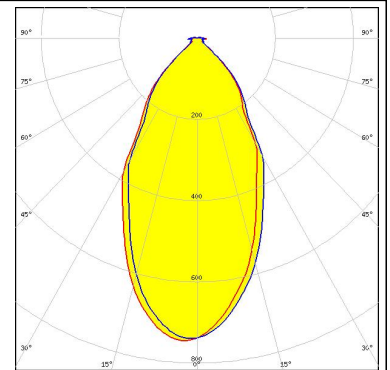


PHOTOMETRIC DATA (MEASURED):



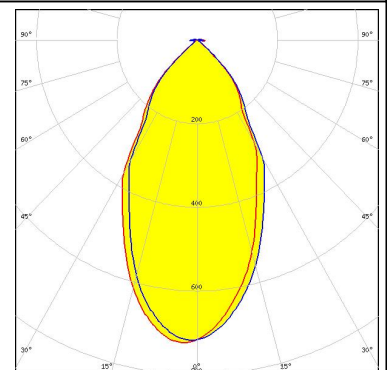
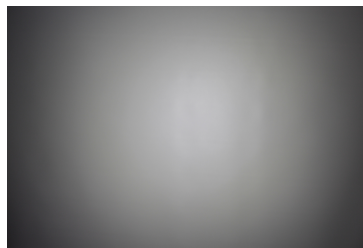
LED XHP50
FWHM 54.0°
Efficiency 77 %
Peak intensity 0.750 cd/lm
Required components:

C14960_FLORENTINA-2X2-SHD-WHT



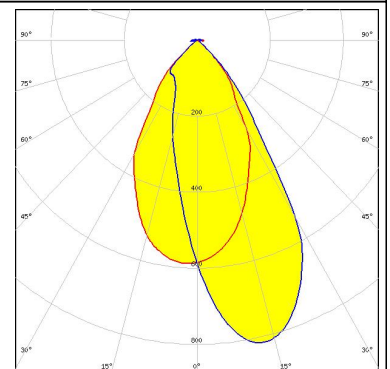
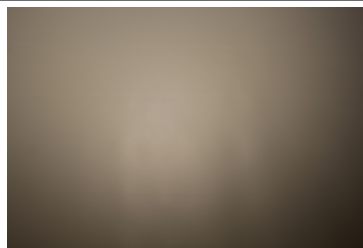
LED XHP50
FWHM 54.0°
Efficiency 71 %
Peak intensity 0.730 cd/lm
Required components:

C15196_FLORENTINA-2X2-SHD-OPEN



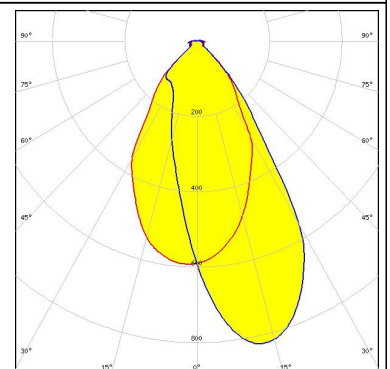
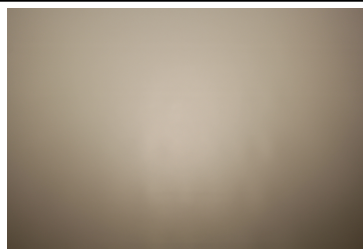
LED XHP70
FWHM 61.0°
Efficiency 66 %
Peak intensity 0.820 cd/lm
Required components:

C14734_FLORENTINA-2X2-SHD



LED XHP70
FWHM 63.0°
Efficiency 74 %
Peak intensity 0.830 cd/lm
Required components:

C14960_FLORENTINA-2X2-SHD-WHT



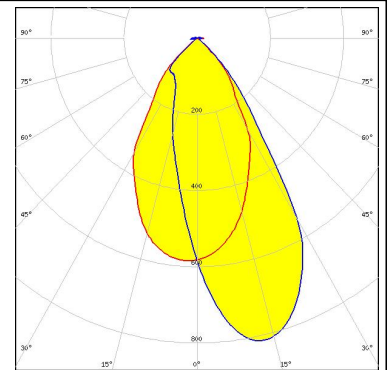
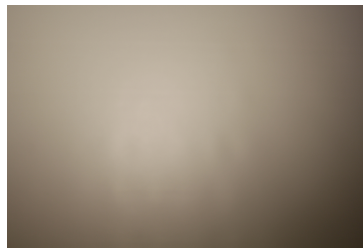
PHOTOMETRIC DATA (MEASURED):



LED XHP70
 FWHM 61.0°
 Efficiency 66 %
 Peak intensity 0.820 cd/lm

Required components:

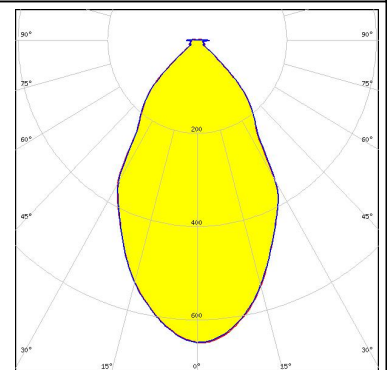
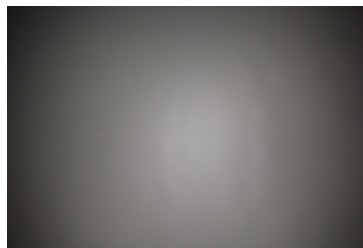
C15196_FLORENTINA-2X2-SHD-OPEN



LED H70E0
 FWHM 62.0°
 Efficiency 76 %
 Peak intensity 0.650 cd/lm

Required components:

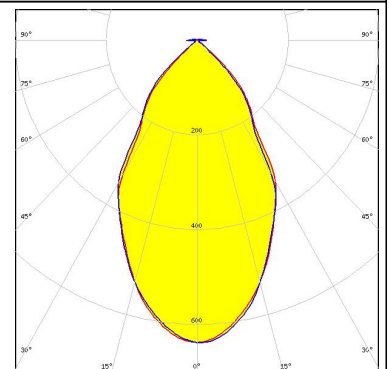
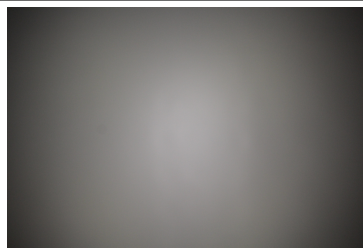
C14960_FLORENTINA-2X2-SHD-WHT



LED H70E0
 FWHM 61.0°
 Efficiency 69 %
 Peak intensity 0.640 cd/lm

Required components:

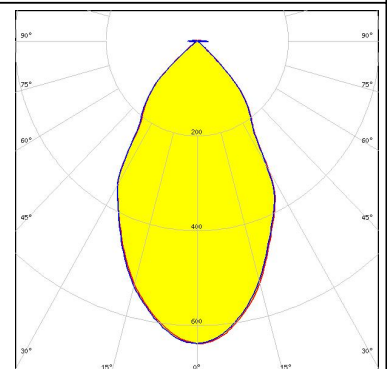
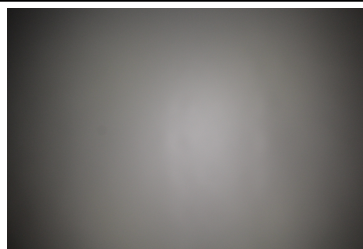
C15196_FLORENTINA-2X2-SHD-OPEN



LED H70E0
 FWHM 61.0°
 Efficiency 69 %
 Peak intensity 0.640 cd/lm

Required components:

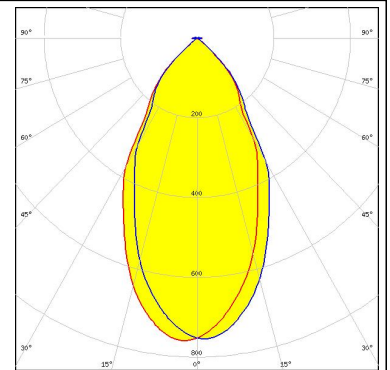
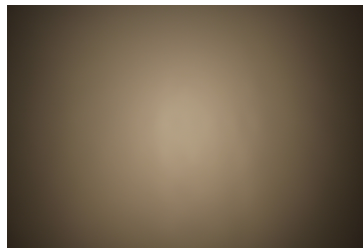
C14734_FLORENTINA-2X2-SHD



PHOTOMETRIC DATA (MEASURED):

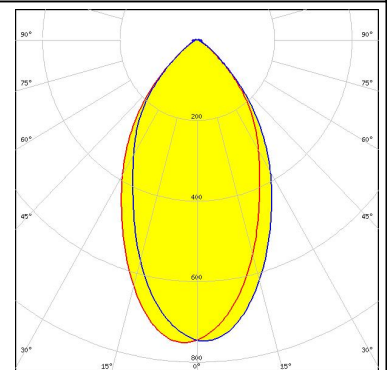
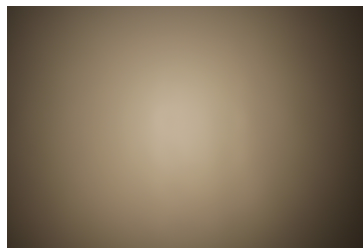
LUMILEDS

LED LUXEON M/MX
 FWHM 54.0°
 Efficiency 71 %
 Peak intensity 0.760 cd/lm
 Required components:
 C14734_FLORENTINA-2X2-SHD



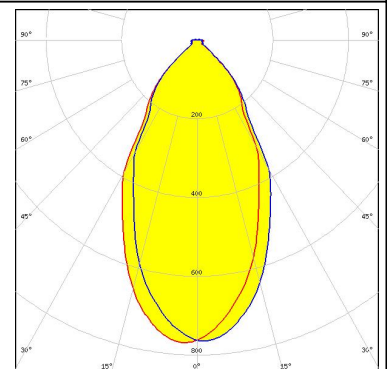
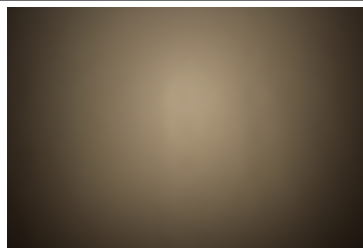
LUMILEDS

LED LUXEON M/MX
 FWHM 56.0°
 Efficiency 81 %
 Peak intensity 0.760 cd/lm
 Required components:



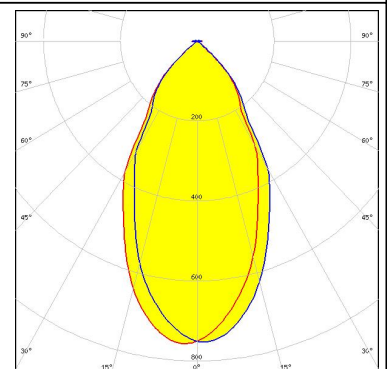
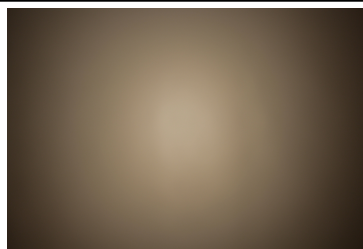
LUMILEDS

LED LUXEON M/MX
 FWHM 55.0°
 Efficiency 78 %
 Peak intensity 0.770 cd/lm
 Required components:
 C14960_FLORENTINA-2X2-SHD-WHT


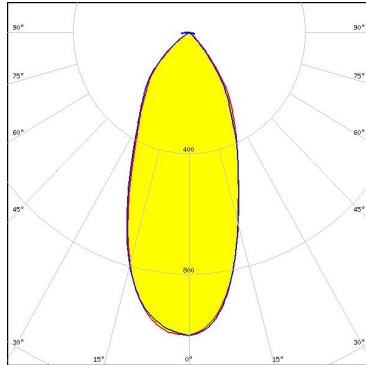
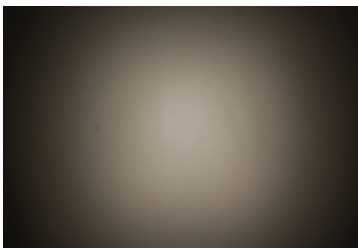
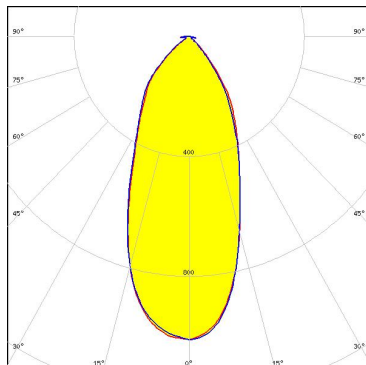

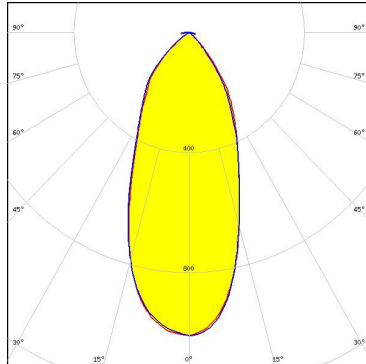
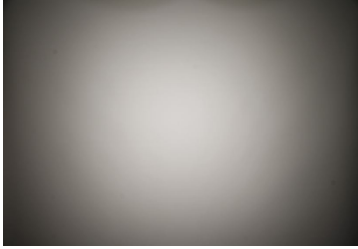
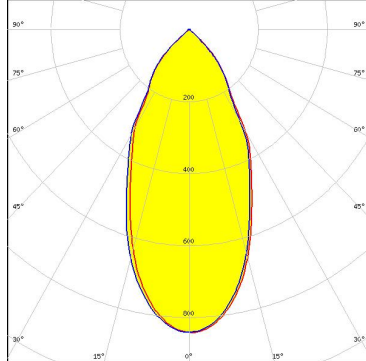


LUMILEDS

LED LUXEON M/MX
 FWHM 55.0°
 Efficiency 71 %
 Peak intensity 0.760 cd/lm
 Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN



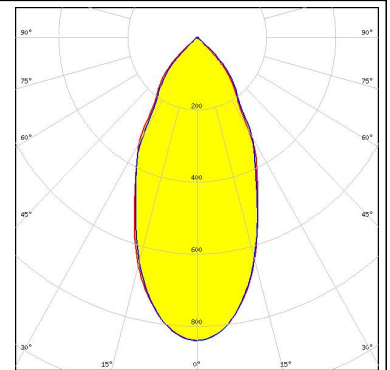
PHOTOMETRIC DATA (MEASURED):

| | | |
|---|--|---|
| <p>LUMILEDS</p> <p>LED LUXEON MZ</p> <p>FWHM 43.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 1.000 cd/lm</p> <p>Required components: C14734_FLORENTINA-2X2-SHD</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON MZ</p> <p>FWHM 44.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 1.000 cd/lm</p> <p>Required components: C14960_FLORENTINA-2X2-SHD-WHT</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON MZ</p> <p>FWHM 43.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.000 cd/lm</p> <p>Required components: C15196_FLORENTINA-2X2-SHD-OPEN</p> |  |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 7070</p> <p>FWHM 49.0°</p> <p>Efficiency 68 %</p> <p>Peak intensity 0.840 cd/lm</p> <p>Required components: C15196_FLORENTINA-2X2-SHD-OPEN</p> |  |  |

PHOTOMETRIC DATA (MEASURED):

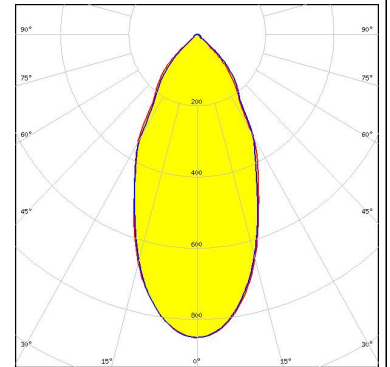
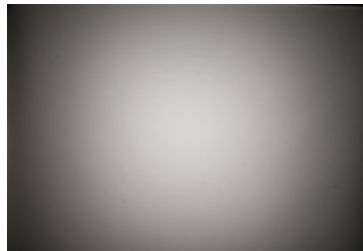
OSRAM
Opto Semiconductors

LED OSCONIQ P 7070
FWHM 49.0°
Efficiency 68 %
Peak intensity 0.840 cd/lm
Required components:
C14734_FLORENTINA-2X2-SHD



OSRAM
Opto Semiconductors

LED OSCONIQ P 7070
FWHM 50.0°
Efficiency 74 %
Peak intensity 0.850 cd/lm
Required components:
C14960_FLORENTINA-2X2-SHD-WHT



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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