

VERONICA-SQ-M

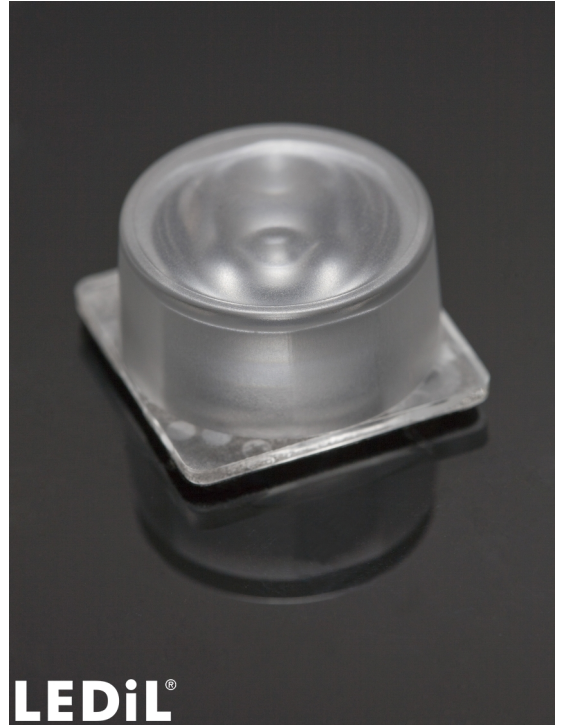
~30° medium beam

TECHNICAL SPECIFICATIONS:

| | |
|----------------|-----------|
| Dimensions | 22.5 mm |
| Height | 11.8 mm |
| Fastening | tape, pin |
| ROHS compliant | yes ⓘ |

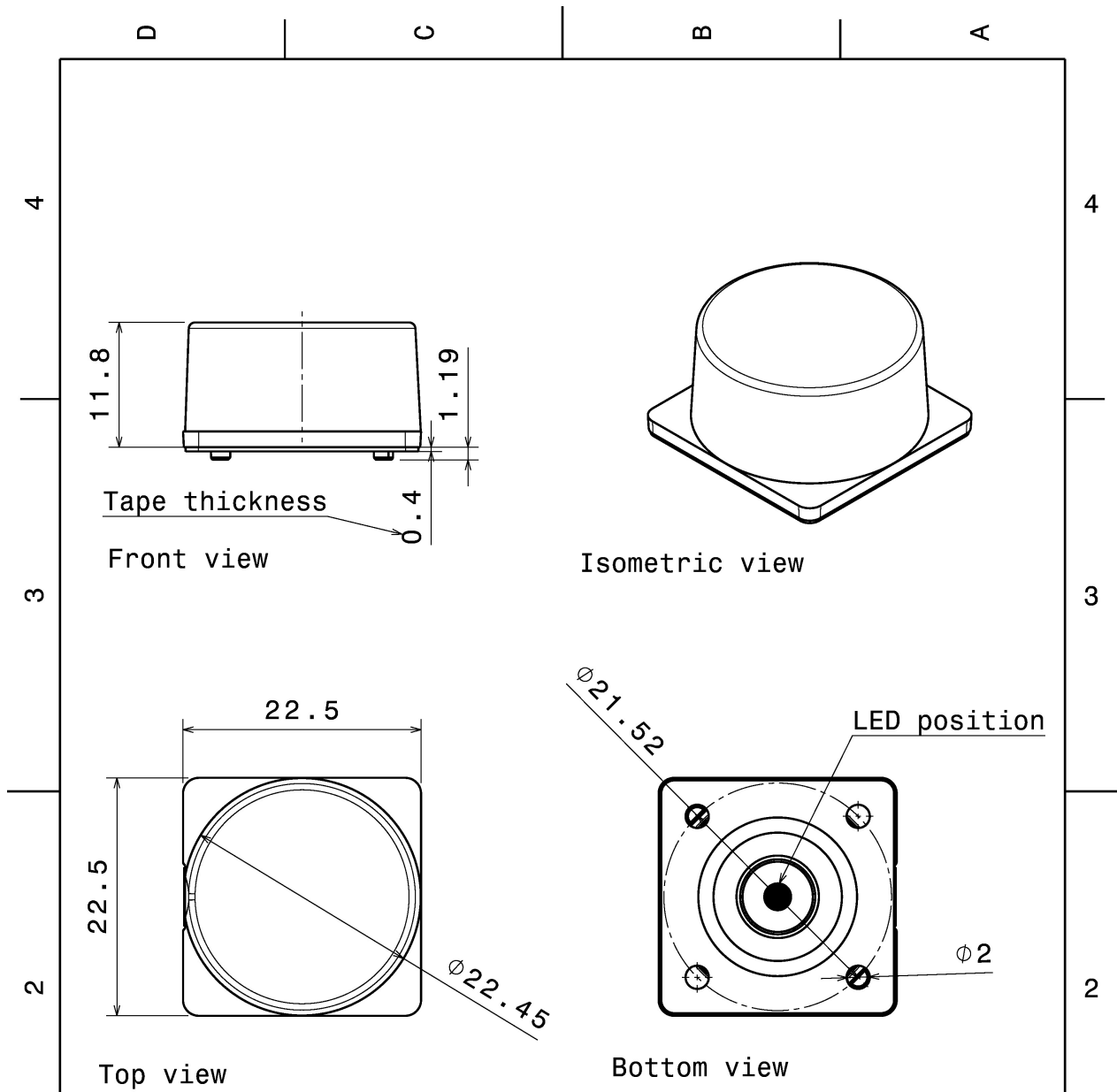
MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour | Finish |
|---------------|-------------|----------|--------|--------|
| VERONICA-SQ-M | Single lens | PMMA | clear | |
| VERONICA-TAPE | Tape | PU tape | clear | |



ORDERING INFORMATION:

| Component | Type | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|-------------|------------|-----|-----|-----------------|
| CA14461_VERONICA-SQ-M » Box size: 476 x 273 x 197 mm | Single lens | 1980 | 360 | 180 | 8.2 |



| INDEX | PART NO | DESCRIPTION | MATERIAL | COLOUR |
|-------|---------|------------------|----------|--------|
| 1 | C14448 | VERONICA-SQ-M | PMMA | clear |
| 2 | C13729 | VERONICA-SQ-TAPE | PU | black |

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures: class C
According to DIN ISO 2768-2
Form and position: class L

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
CA14461_VERONICA-SQ-M

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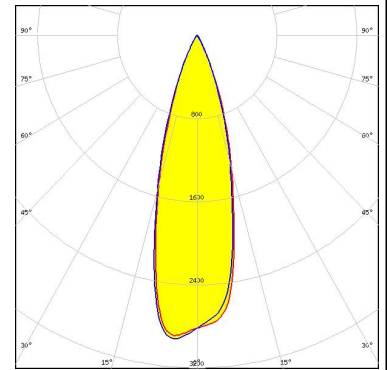
| SIZE | PART NUMBER |
|------|-------------|
| A4 | CA14461 |

| SCALE | 2:1 | WEIGHT | 3,64 g | SHEET | 1/1 |
|-------|-----|--------|--------|-------|-----|
|-------|-----|--------|--------|-------|-----|

PHOTOMETRIC DATA (MEASURED):

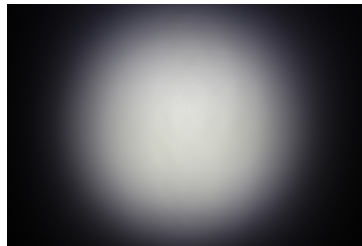
CREE 

LED XB-H
FWHM 29.0°
Efficiency 91 %
Peak intensity 3 cd/Im
LEDs/each optic 1
Light colour White
Required components:



CREE 

LED XHP35 HD
FWHM 40.0°
Efficiency 88 %
Peak intensity 1.9 cd/Im
LEDs/each optic 1
Light colour White
Required components:



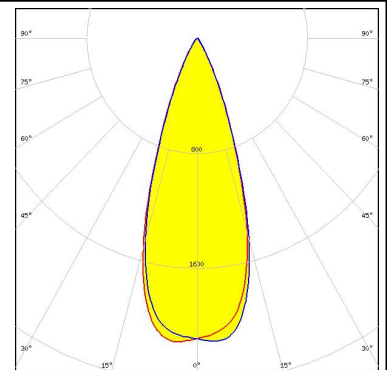
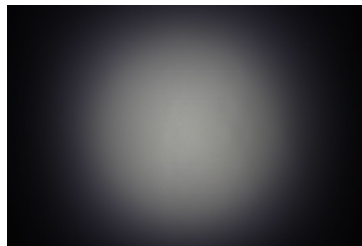
CREE 

LED XHP35 HI
FWHM 33.0°
Efficiency 88 %
Peak intensity 2.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:



CREE 

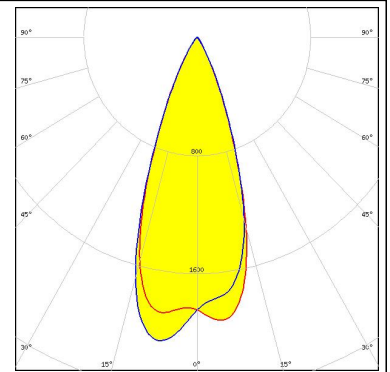
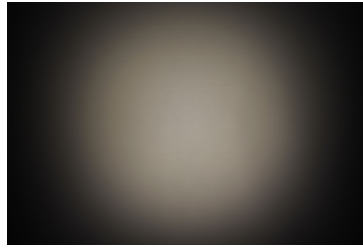
LED XM-L
FWHM 37.0°
Efficiency 92 %
Peak intensity 2.1 cd/Im
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

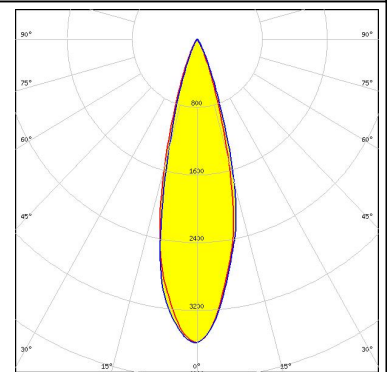
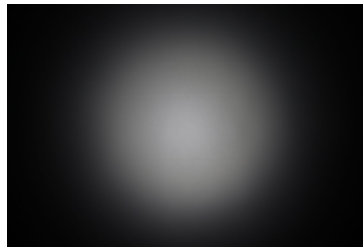
CREE

LED XM-L2
 FWHM 38.0°
 Efficiency 91 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



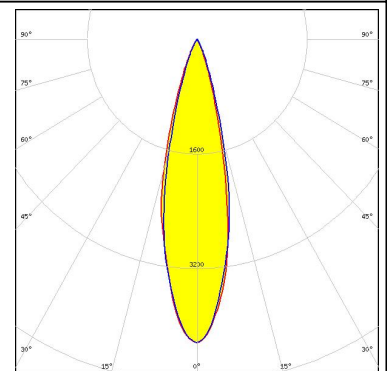
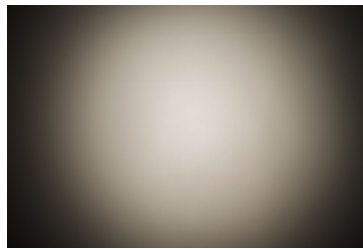
CREE

LED XP-E
 FWHM 28.0°
 Efficiency 93 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



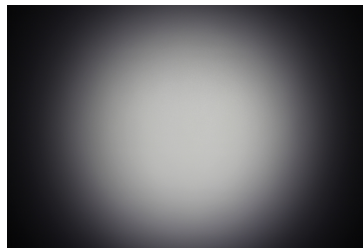
CREE

LED XP-E2
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE

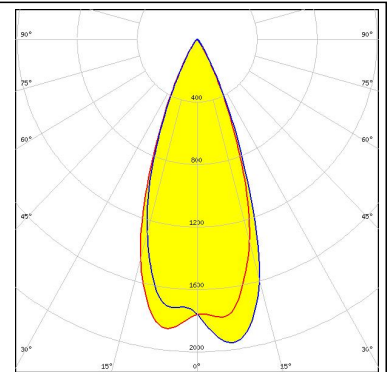
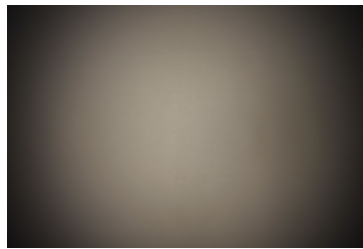
LED XP-G2
 FWHM 30.0°
 Efficiency 89 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



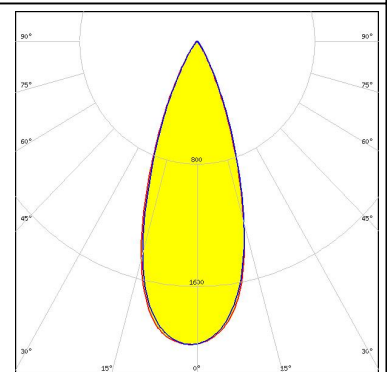
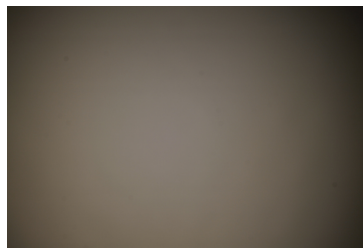
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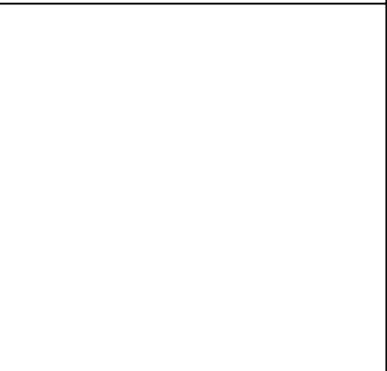
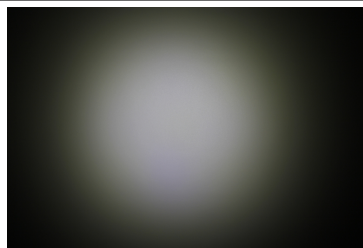
LED XP-L HD
 FWHM 40.0°
 Efficiency 91 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



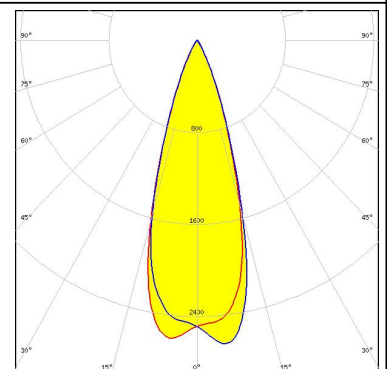
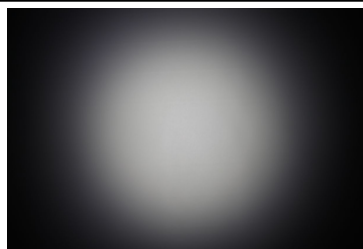
LED XP-L2
 FWHM 37.0°
 Efficiency 87 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XT-E
 FWHM 27.0°
 Efficiency 87 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



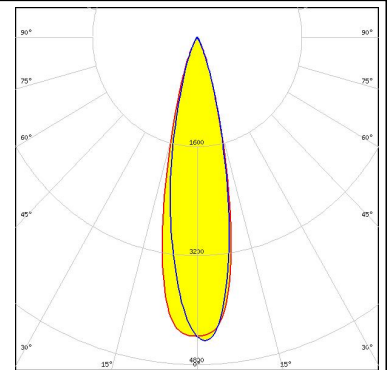
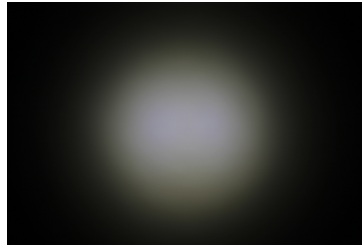
LED H35C1 (LEMWA33)
 FWHM 33.0°
 Efficiency 92 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

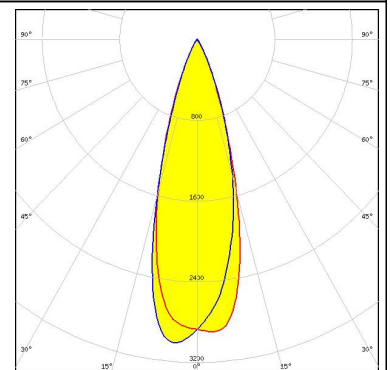
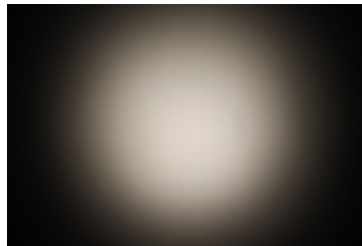
LUMILEDS

LED LUXEON 3030 2D (Round LES)
 FWHM 24.0°
 Efficiency 94 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



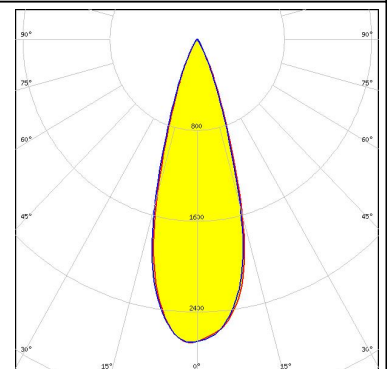
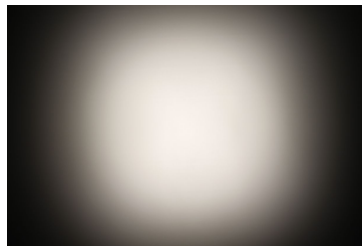
LUMILEDS

LED LUXEON A
 FWHM 30.0°
 Efficiency 91 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



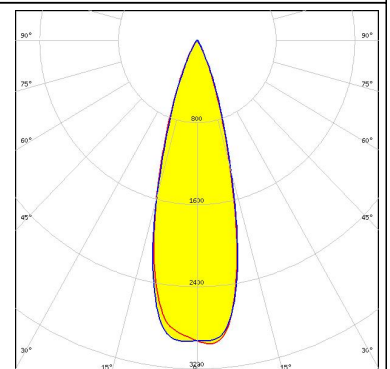
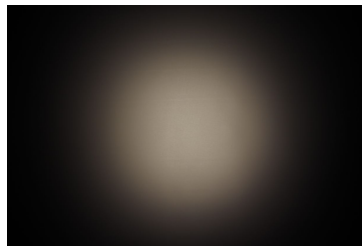
LUMILEDS

LED LUXEON MZ
 FWHM 32.0°
 Efficiency 93 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

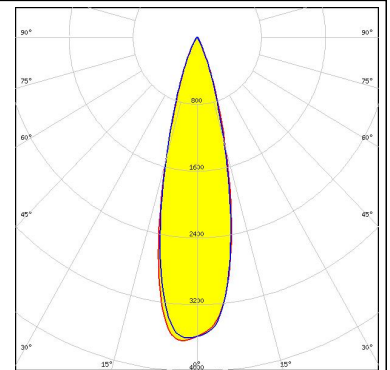
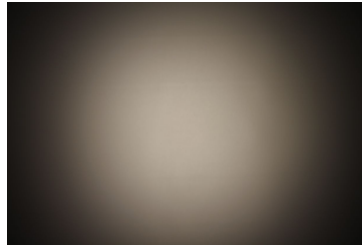
LED LUXEON R
 FWHM 30.0°
 Efficiency 91 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

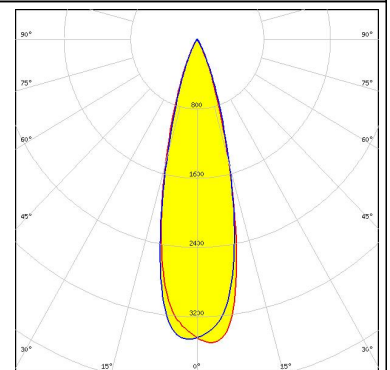
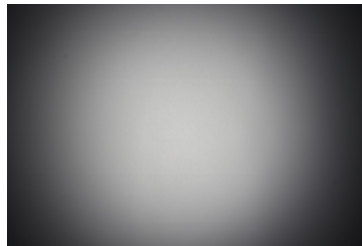
LUMILEDS

LED LUXEON Rebel
 FWHM 26.0°
 Efficiency 92 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



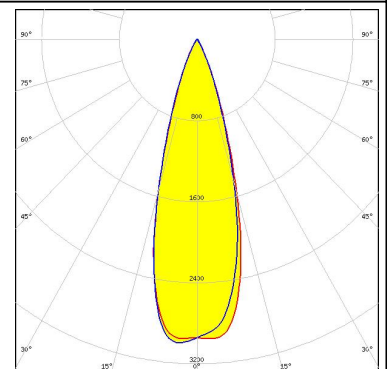
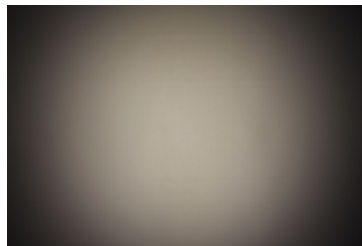
LUMILEDS

LED LUXEON Rebel ES
 FWHM 27.0°
 Efficiency 91 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



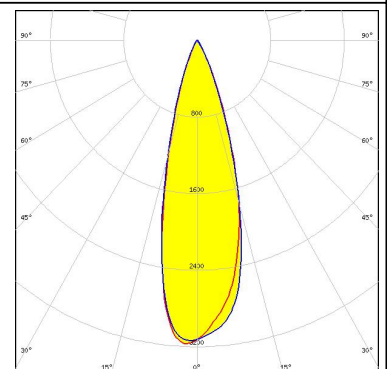
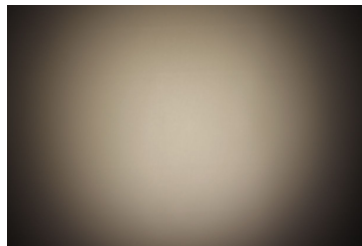
LUMILEDS

LED LUXEON T
 FWHM 30.0°
 Efficiency 93 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

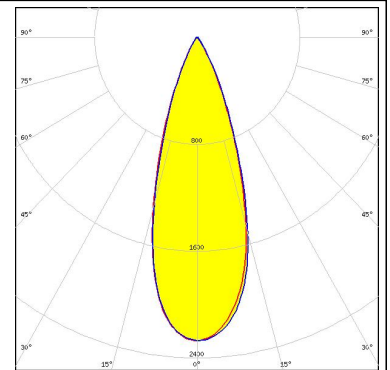
LED LUXEON TX
 FWHM 30.0°
 Efficiency 92 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

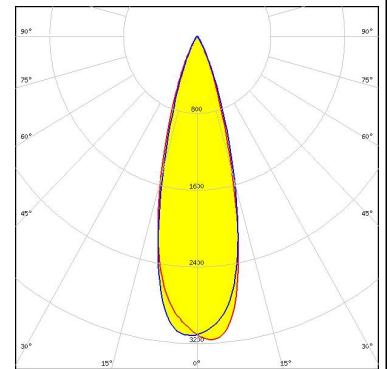
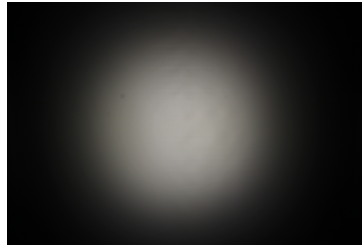
LUMILEDS

LED LUXEON V
 FWHM 35.0°
 Efficiency 90 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



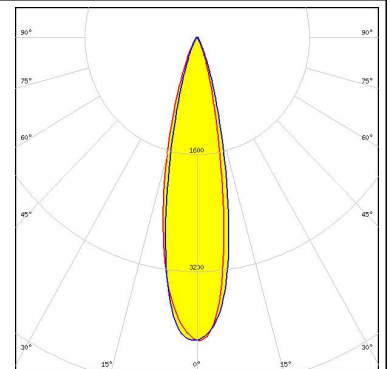
LUMILEDS

LED LUXEON V2
 FWHM 29.0°
 Efficiency 94 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



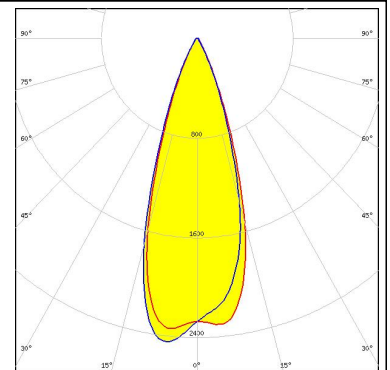
NICHIA

LED NCSxx19B
 FWHM 23.0°
 Efficiency 92 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

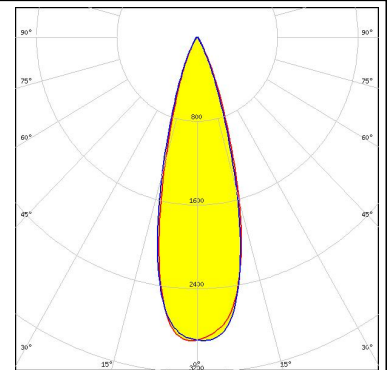
LED NVSW219F
 FWHM 35.0°
 Efficiency 94 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



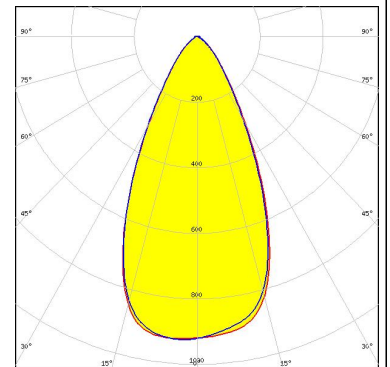
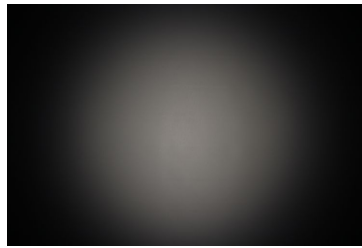
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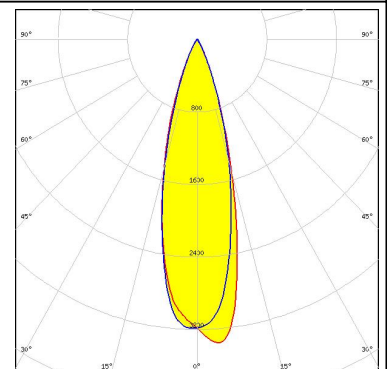
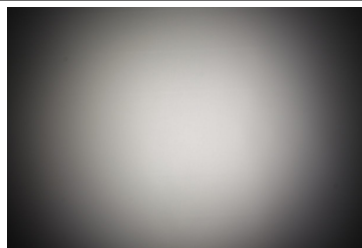
LED NVSxx19B/NVSxx19C
 FWHM 30.0°
 Efficiency 91 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



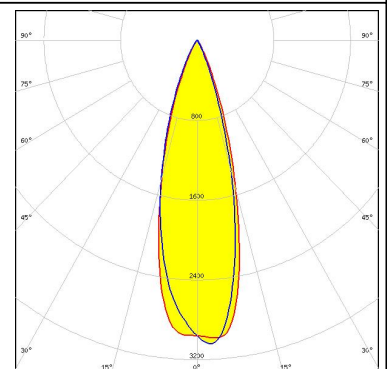
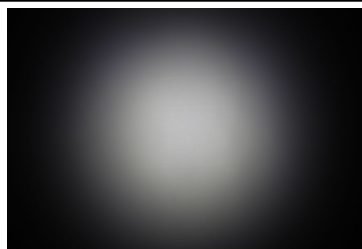
LED NWSx229A
 FWHM 39.0°
 Efficiency 89 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM Opto Semiconductors
 LED OSOLON Square EC
 FWHM 28.0°
 Efficiency 91 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



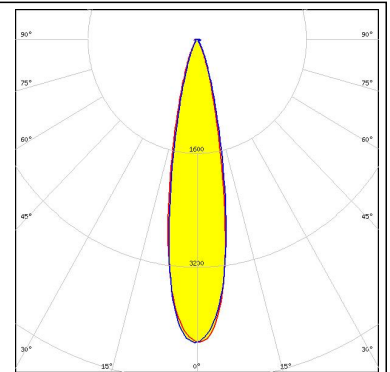
OSRAM Opto Semiconductors
 LED OSOLON Square PC
 FWHM 29.0°
 Efficiency 91 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

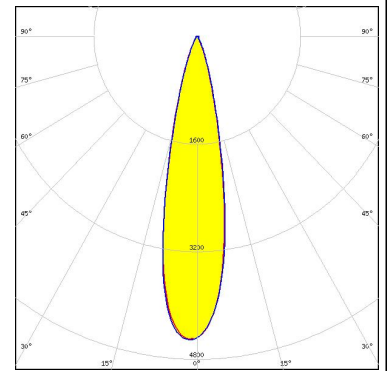
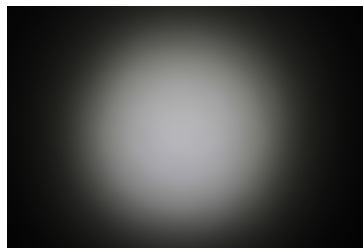
SAMSUNG

LED LH181A
 FWHM 21.0°
 Efficiency 94 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



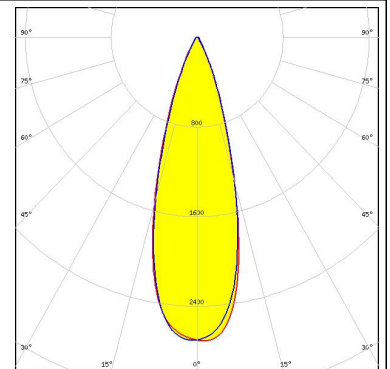
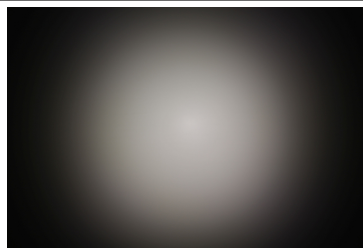
SAMSUNG

LED LH181B
 FWHM 23.0°
 Efficiency 94 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



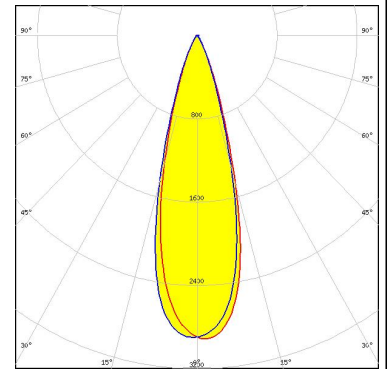
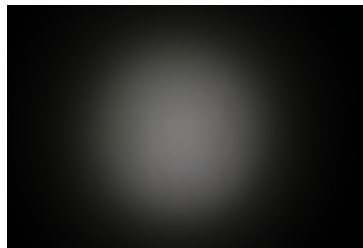
SEOUL SEMICONDUCTOR

LED Z5M3
 FWHM 31.0°
 Efficiency 94 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P
 FWHM 29.0°
 Efficiency 88 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



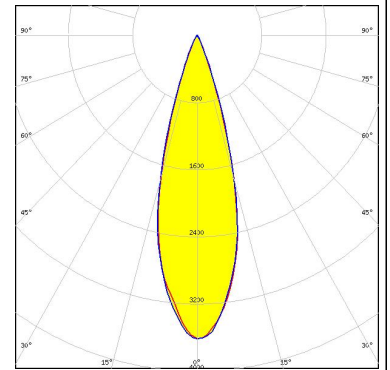
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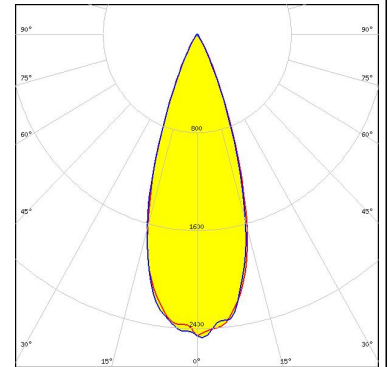
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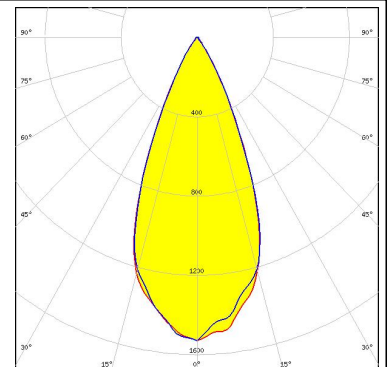
LED LUXEON C
 FWHM 29.0°
 Efficiency 94 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



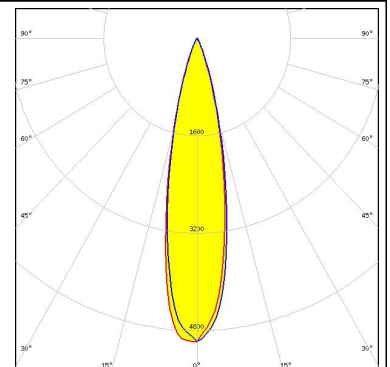
LED NV4WB35AM
 FWHM 36.0°
 Efficiency 96 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ C 2424
 FWHM 44.0°
 Efficiency 97 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:



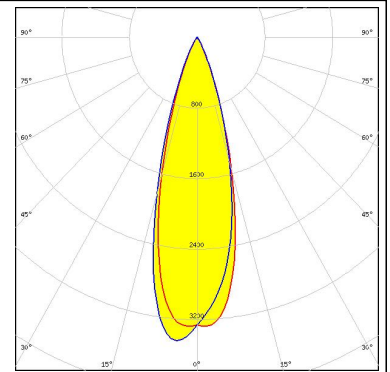
LED OSCONIQ P 3030
 FWHM 23.0°
 Efficiency 96 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

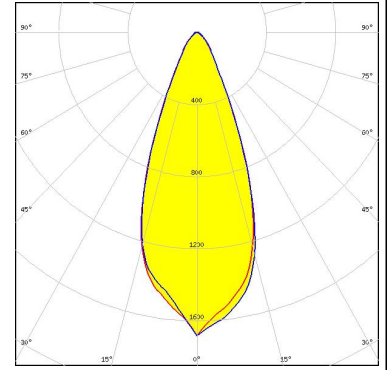
SAMSUNG

LED LM28xB Series
FWHM 29.0°
Efficiency 94 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22T
FWHM 28.0°
Efficiency 94 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:

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