

VERONICA-SQ-SE

~190° side emitter beam

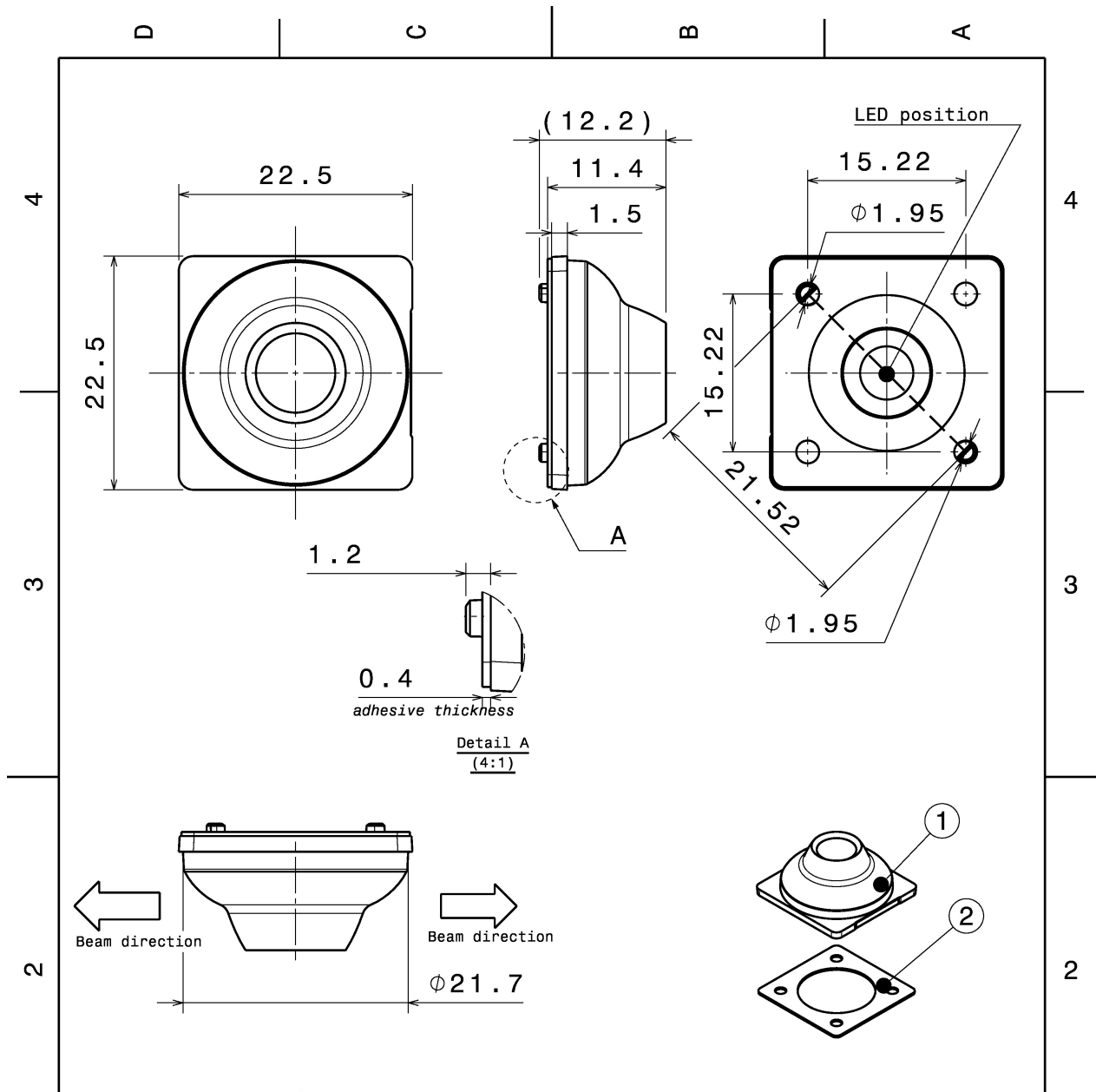
TECHNICAL SPECIFICATIONS:

Dimensions	22.5 mm
Height	11.4 mm
Fastening	tape
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	9.6 kg
Quantity in Box	3060 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
VERONICA-SQ-SE	Single lens	PMMA	
VERONICA-TAPE	Tape		



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C15901	VERONICA-SQ-SE_Mech_Model	PMMA	CLEAR
2	C16105	VERONICA-TAPE	PU FOAM	BLACK

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L



Ledil Oy
Joensuunkatu 13
FIN 24100 SALO
Finland

FIRST ANGLE PROJECTION:

DRAWING TITLE
CA15902_STRADA-SQ-SE_Datasheet

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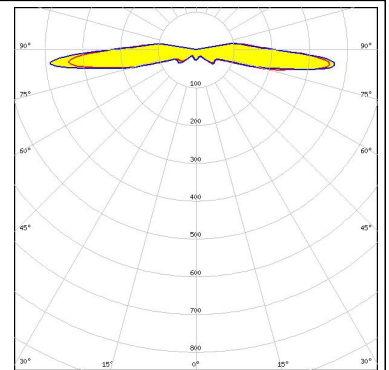
SIZE	PART NUMBER
A4	CA15902

SCALE	2:1	WEIGHT	2,75g	SHEET	1/1
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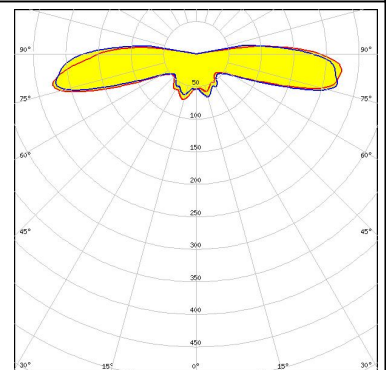
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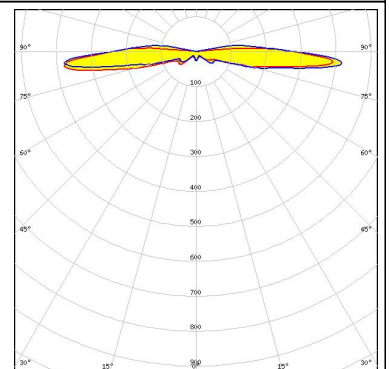
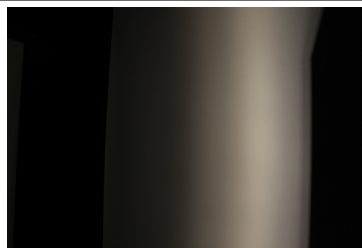
LED XHP35 HI
 FWHM 183.0°
 Efficiency 88 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



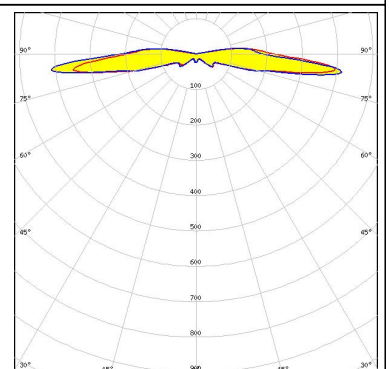
LED XHP70.2
 FWHM Asymmetric
 Efficiency 84 %
 Peak intensity 0.240 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G2
 FWHM 184.0°
 Efficiency 87 %
 Peak intensity 0.440 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



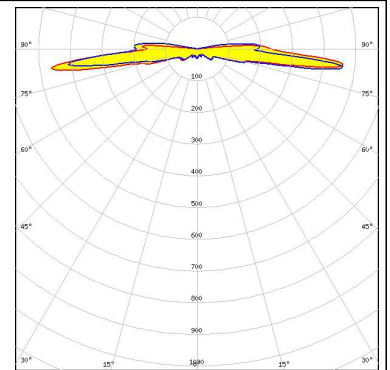
LED XP-L HI
 FWHM Asymmetric
 Efficiency 87 %
 Peak intensity 0.450 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



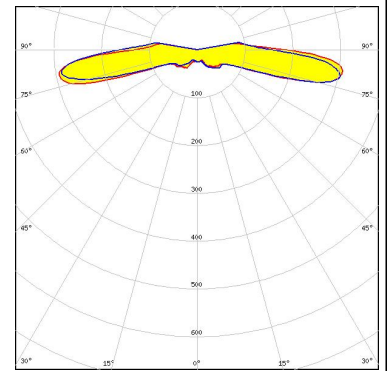
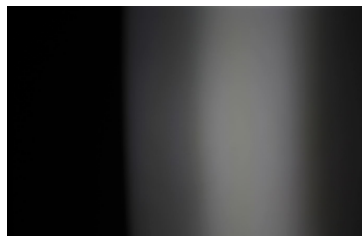
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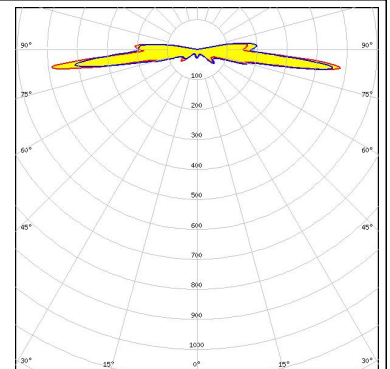
LED XQ-E HI
 FWHM 176.0°
 Efficiency 87 %
 Peak intensity 0.490 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



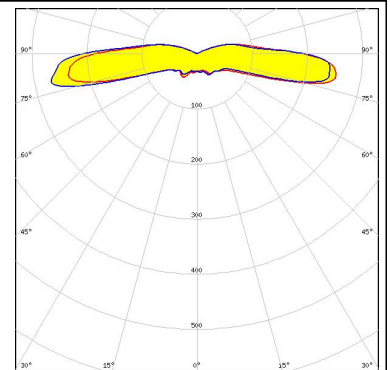
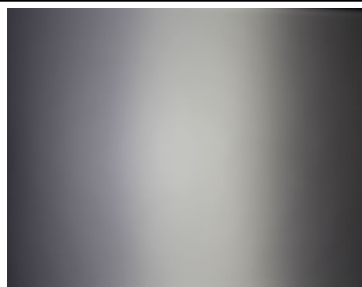
LED LUXEON 5050 Round LES
 FWHM 180.0°
 Efficiency 87 %
 Peak intensity 0.310 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON CZ
 FWHM 173.0°
 Efficiency 90 %
 Peak intensity 0.540 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



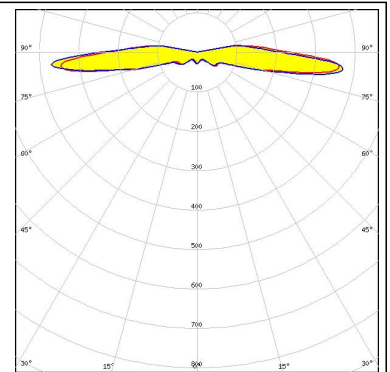
LED LUXEON M/MX
 FWHM 189.0°
 Efficiency 91 %
 Peak intensity 2.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



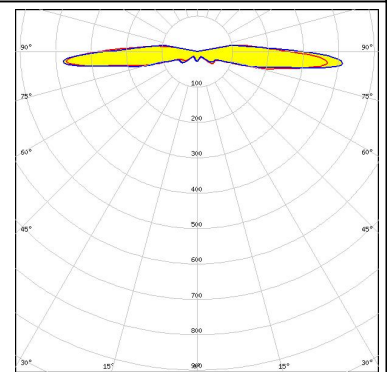
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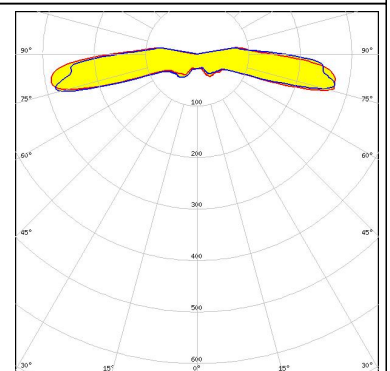
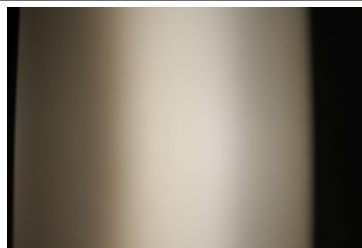
LED LUXEON TX
 FWHM 185.0°
 Efficiency 88 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



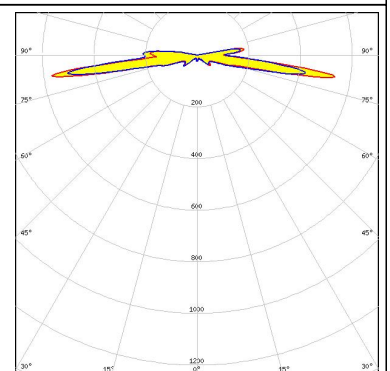
LED NVSW219F
 FWHM 185.0°
 Efficiency 89 %
 Peak intensity 0.430 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Duris S8
 FWHM 182.0°
 Efficiency 87 %
 Peak intensity 0.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSLOM Black Flat
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

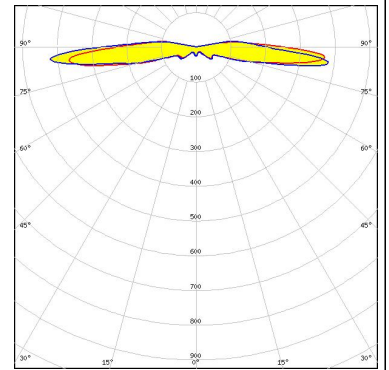


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

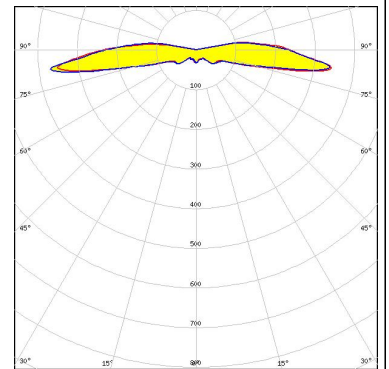
LED OSLON Square CSSRM2/CSSRM3
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 0.430 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

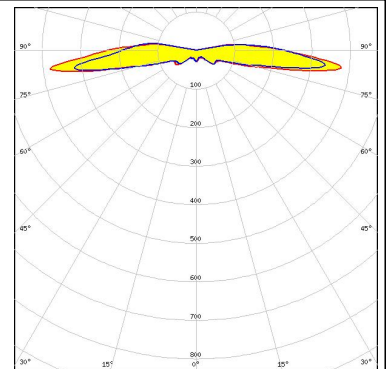
LED OSLON Square EC
 FWHM 189.0°
 Efficiency 88 %
 Peak intensity 0.370 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

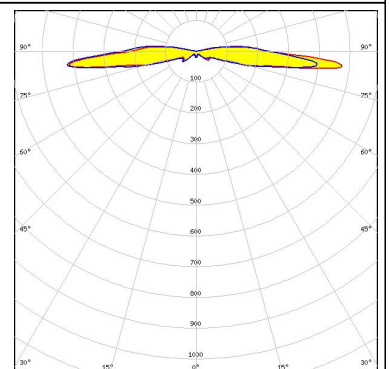
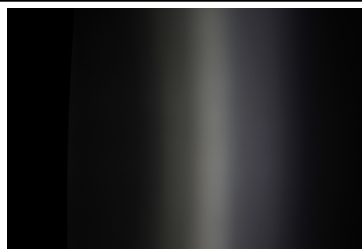
LED OSLON Square PC
 FWHM 187.0°
 Efficiency 88 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

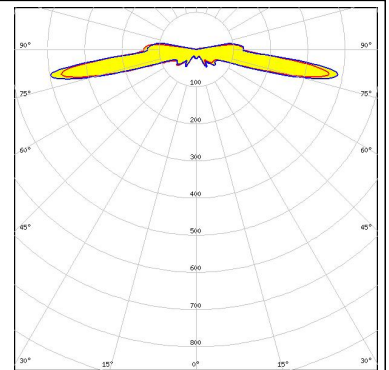
LED OSLON SSL 150
 FWHM 182.0°
 Efficiency 89 %
 Peak intensity 0.490 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

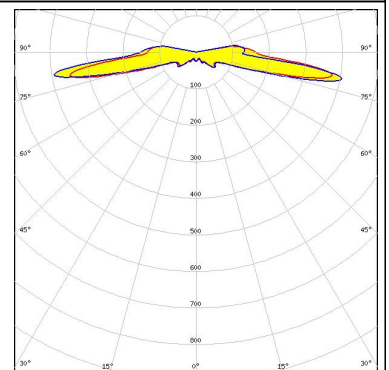
SAMSUNG

LED LH181A
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.450 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



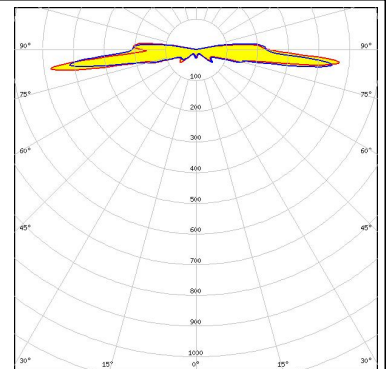
SAMSUNG

LED LH181B
 FWHM 171.0°
 Efficiency 88 %
 Peak intensity 0.450 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



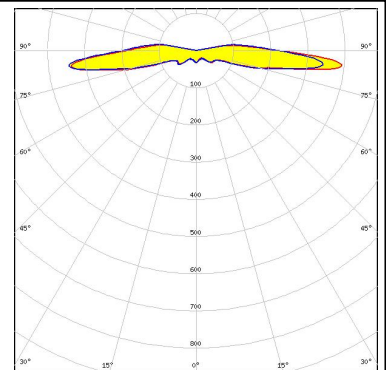
SEOUL SEMICONDUCTOR

LED nPola
 FWHM 181.0°
 Efficiency 89 %
 Peak intensity 0.540 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

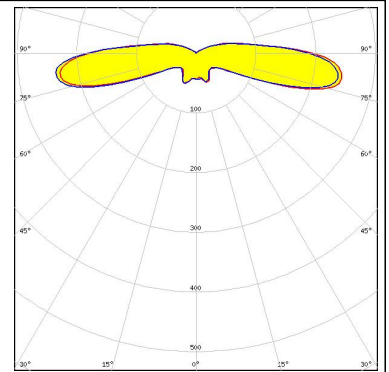
LED Z5M3
 FWHM 184.0°
 Efficiency 89 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



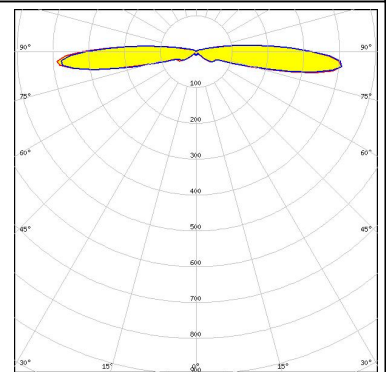
PHOTOMETRIC DATA (SIMULATED):



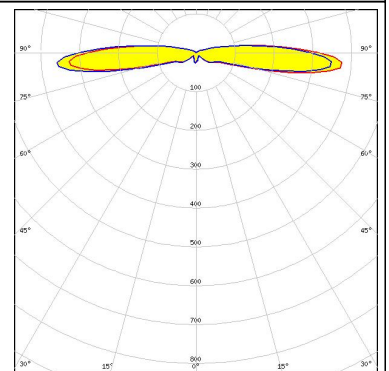
LED XHP70
FWHM 190.0°
Efficiency 94 %
Peak intensity 0.250 cd/lm
LEDs/each optic 1
Light colour White
Required components:



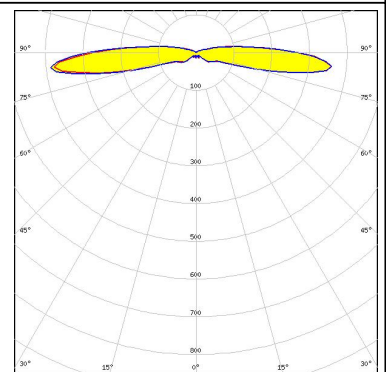
LED XP-E2
FWHM 188.0°
Efficiency 95 %
Peak intensity 0.411 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



LED XP-G2 HE
FWHM 191.0°
Efficiency 95 %
Peak intensity 0.377 cd/lm
LEDs/each optic 1
Light colour White
Required components:



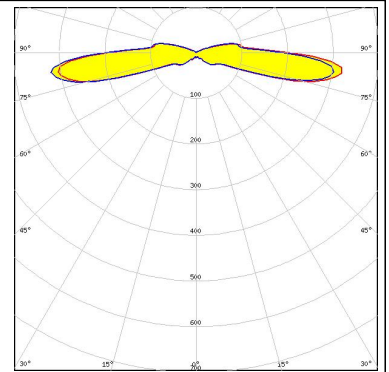
LED XP-G3
FWHM 186.0°
Efficiency 94 %
Peak intensity 0.390 cd/lm
LEDs/each optic 1
Light colour White
Required components:



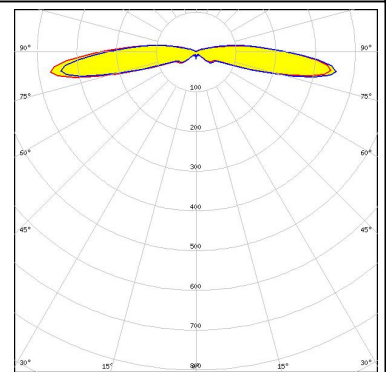
PHOTOMETRIC DATA (SIMULATED):



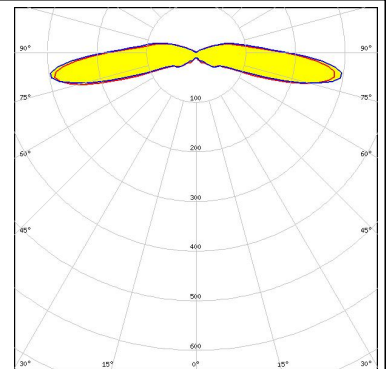
LED XQ-E HI
 FWHM 183.0°
 Efficiency 94 %
 Peak intensity 0.330 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:



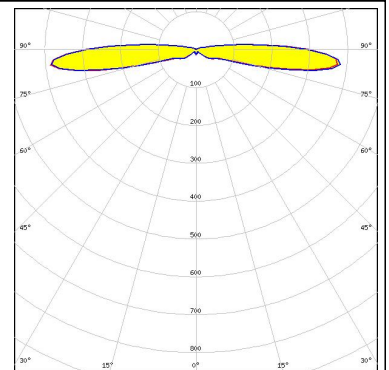
LED XT-E
 FWHM 184.0°
 Efficiency 95 %
 Peak intensity 0.373 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 5050 Round LES
 FWHM 184.0°
 Efficiency 95 %
 Peak intensity 0.298 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



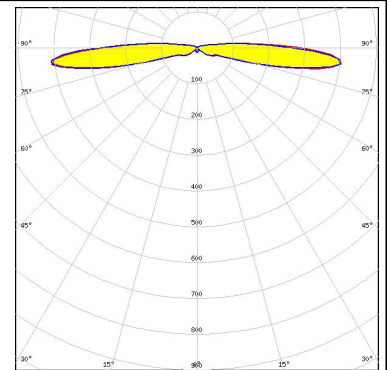
LED LUXEON C
 FWHM 188.0°
 Efficiency 93 %
 Peak intensity 0.406 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



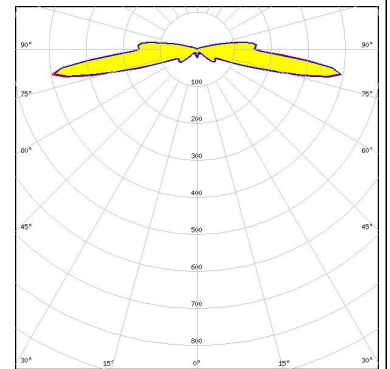
PHOTOMETRIC DATA (SIMULATED):



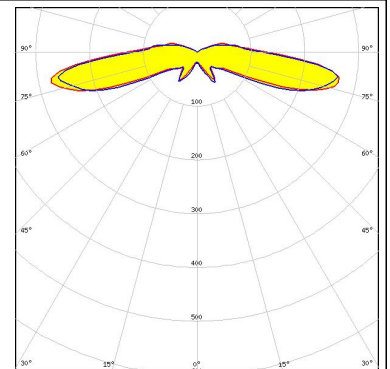
LED LUXEON C
 FWHM 183.0°
 Efficiency 92 %
 Peak intensity 0.450 cd/lm
 LEDs/each optic 1
 Light colour Green
 Required components:



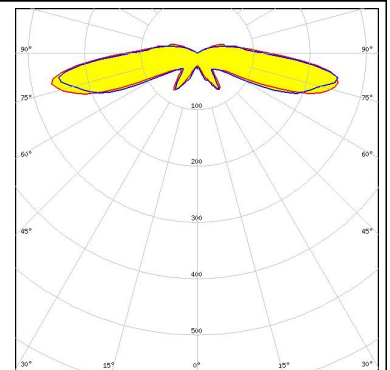
LED NCSxE17A
 FWHM 173.0°
 Efficiency 96 %
 Peak intensity 0.418 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NCSxE17A
 FWHM 179.0°
 Efficiency 96 %
 Peak intensity 0.285 cd/lm
 LEDs/each optic 7
 Light colour White
 Required components:



LED NCSxE17A
 FWHM 180.0°
 Efficiency 96 %
 Peak intensity 0.273 cd/lm
 LEDs/each optic 7
 Light colour White
 Required components:

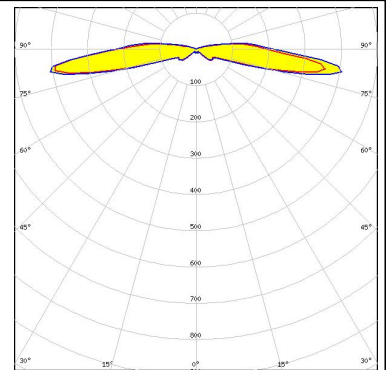


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

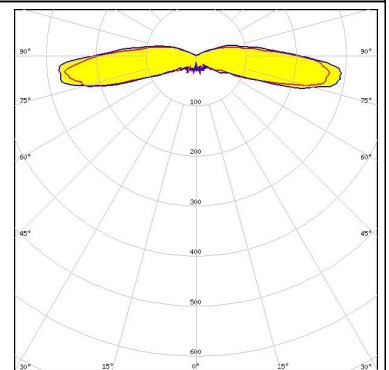
LED OSCONIQ P 3030
FWHM 181.0°
Efficiency 95 %
Peak intensity 0.422 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

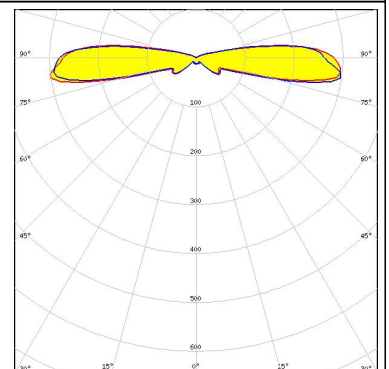
LED OSCONIQ P 7070
FWHM 192.0°
Efficiency 95 %
Peak intensity 0.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

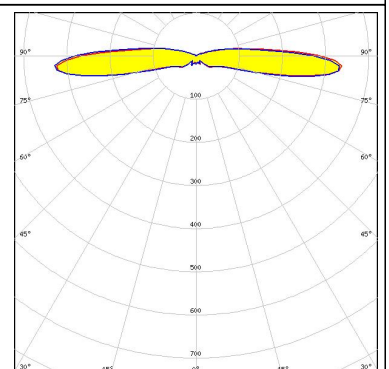
Opto Semiconductors

LED OSLON SSL 80
FWHM 198.0°
Efficiency 94 %
Peak intensity 0.310 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



SAMSUNG

LED LH351D
FWHM 190.0°
Efficiency 94 %
Peak intensity 0.342 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:

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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LEDiL Oy

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Shipping locations

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Hong Kong, China

Distribution Partners

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