

VERONICA-SQ-W

~50° wide beam

SPECIFICATION:

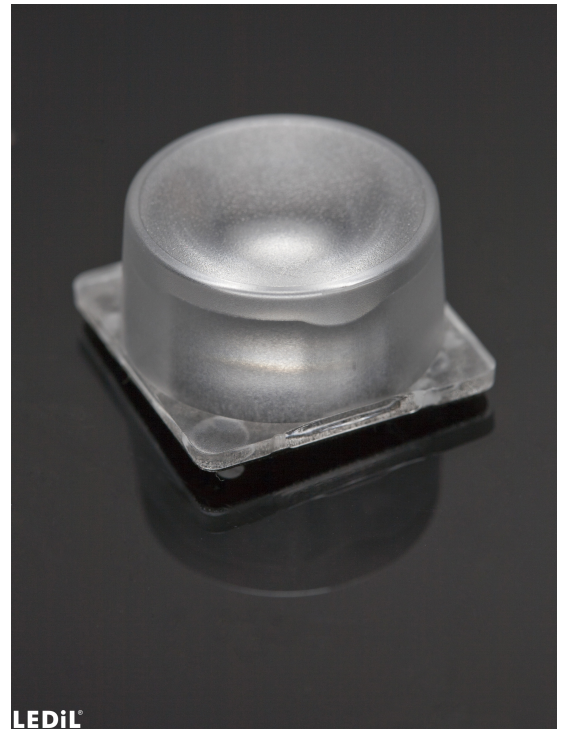
Dimensions	22.5 x 22.5 mm
Height	11.8 mm
Fastening	tape
ROHS compliant	yes ⓘ

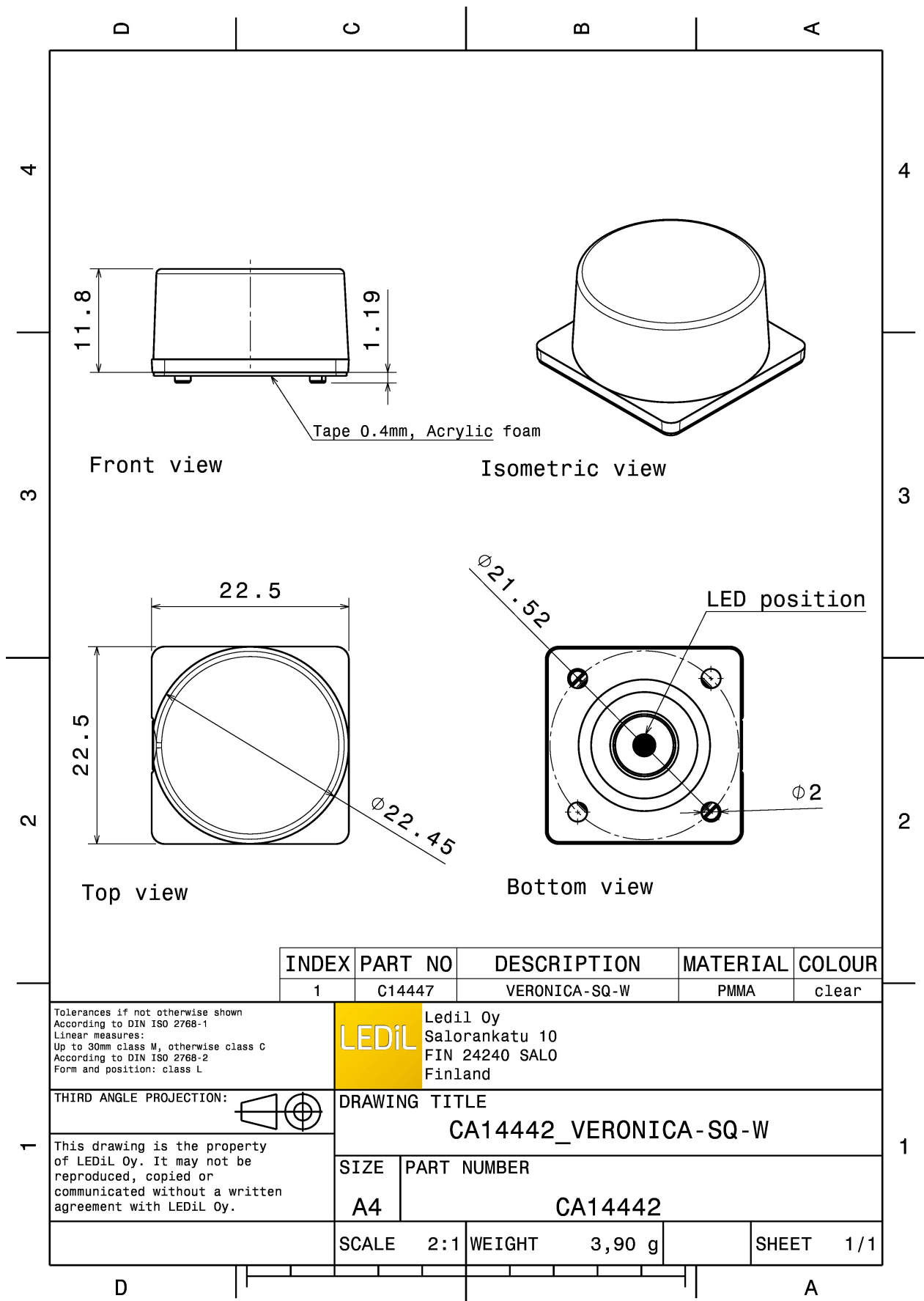
MATERIALS:

Component	Type	Material	Colour	Finish
VERONICA-SQ-W	Single lens	PMMA	clear	
VERONICA-TAPE	Tape	Acrylic foam	clear	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14442_VERONICA-SQ-W	Single lens	1980	360	180	8.8
» Box size: 476 x 273 x 197 mm					



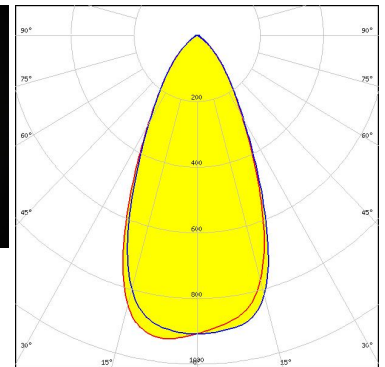
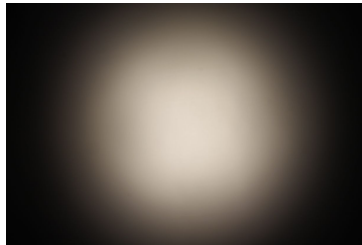


See also our general installation guide: www.ledil.com/installation_guide

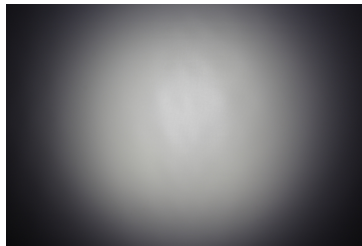
OPTICAL RESULTS (MEASURED):



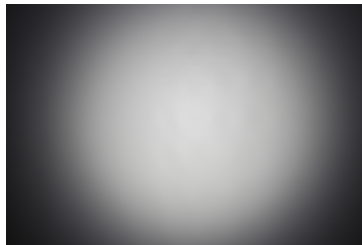
LED XB-H
FWHM / FWTM 50.0° / 90.0°
Efficiency 80 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



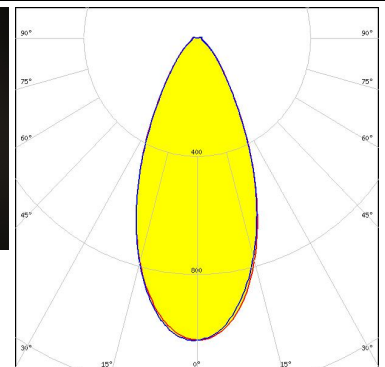
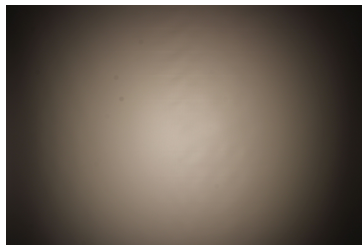
LED XHP35 HD
FWHM / FWTM 52.0° / 92.0°
Efficiency 78 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XHP35 HI
FWHM / FWTM 49.0° / 86.0°
Efficiency 81 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



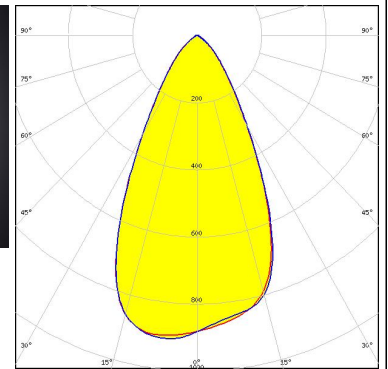
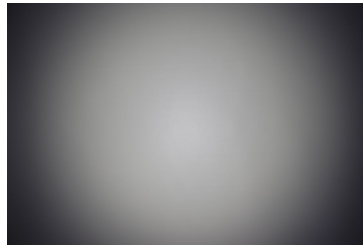
LED XHP50.2
FWHM / FWTM 47.0° / 89.0°
Efficiency 86 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



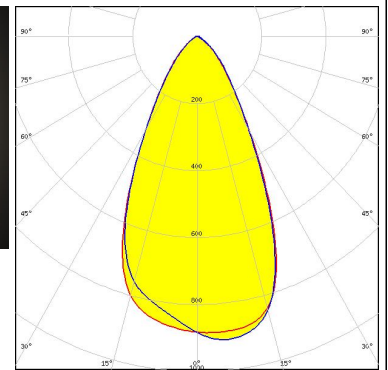
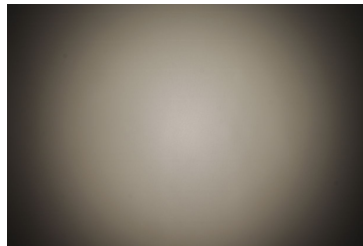
OPTICAL RESULTS (MEASURED):



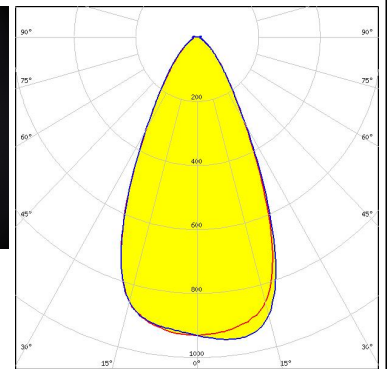
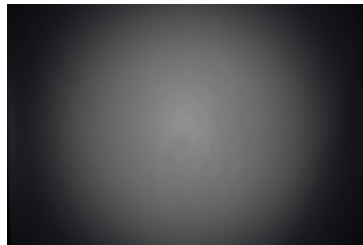
LED XM-L
FWHM / FWTM 53.0° / 90.0°
Efficiency 81 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



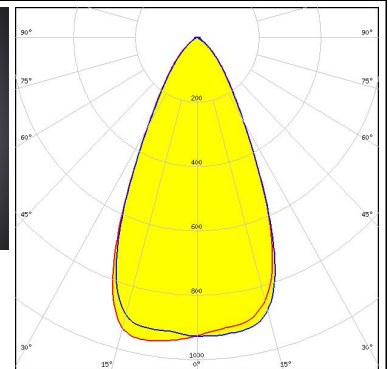
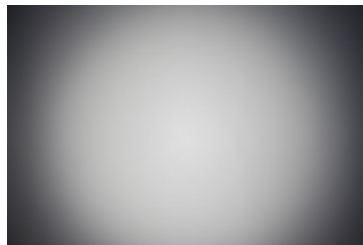
LED XM-L2
FWHM / FWTM 53.0° / 91.0°
Efficiency 80 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XM-L3
FWHM / FWTM 52.0° / 90.0°
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



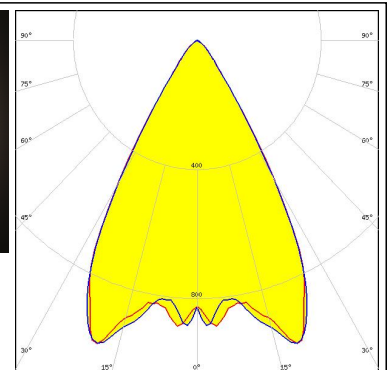
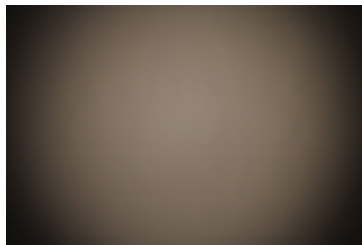
LED XP-E
FWHM / FWTM 51.0° / 88.0°
Efficiency 81 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



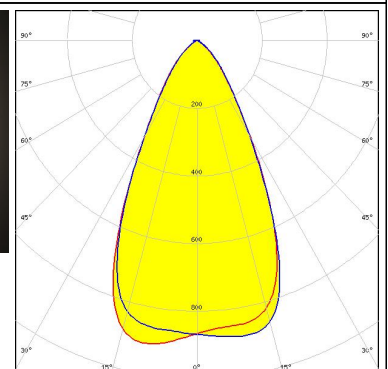
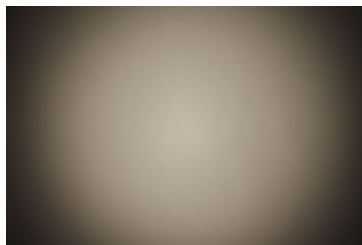
OPTICAL RESULTS (MEASURED):



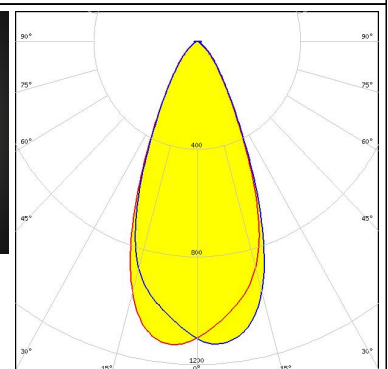
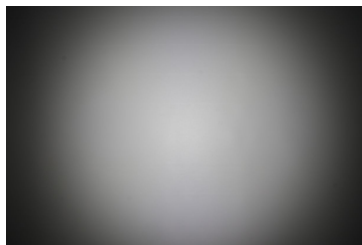
LED XP-E2
 FWHM / FWTM 52.0° / 94.0°
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



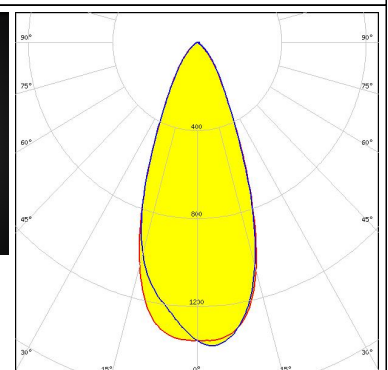
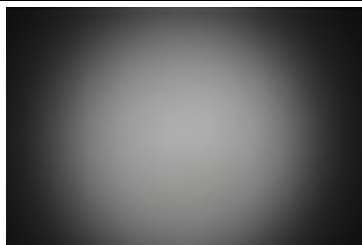
LED XP-G
 FWHM / FWTM 53.0° / 90.0°
 Efficiency 81 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XT-E
 FWHM / FWTM 46.0° / 81.0°
 Efficiency 80 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



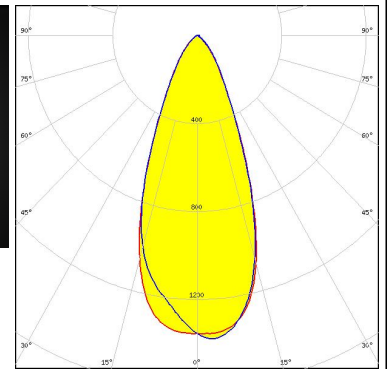
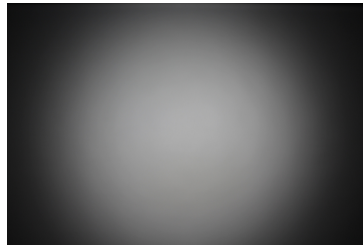
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 42.0° / 76.0°
 Efficiency 83 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

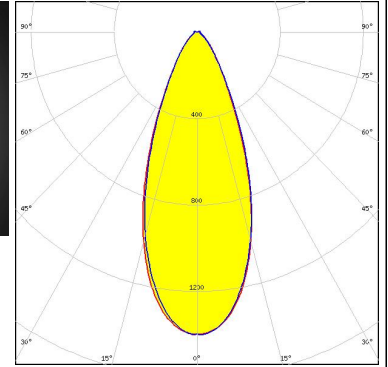
LUMILEDS

LED LUXEON 3030 2D (Square LES)
 FWHM / FWTM 42.0° / 76.0°
 Efficiency 83 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



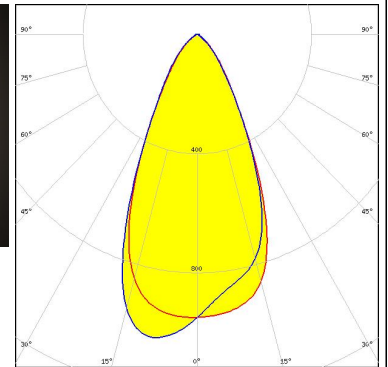
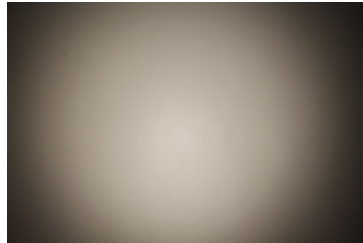
LUMILEDS

LED LUXEON 5050 Round LES
 FWHM / FWTM 41.0° / 77.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



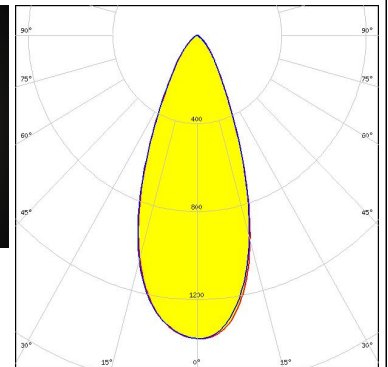
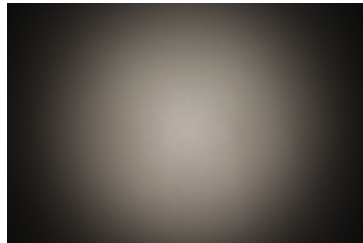
LUMILEDS

LED LUXEON A
 FWHM / FWTM 50.0° / 86.0°
 Efficiency 79 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

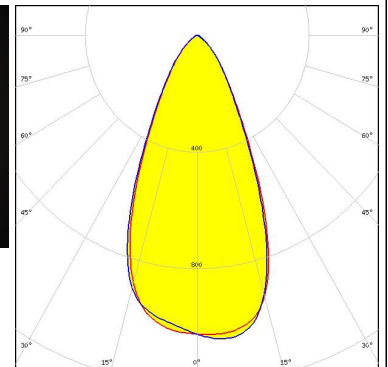
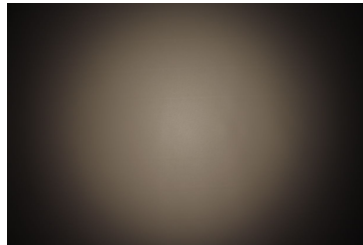
LED LUXEON MZ
 FWHM / FWTM 41.0° / 75.0°
 Efficiency 83 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

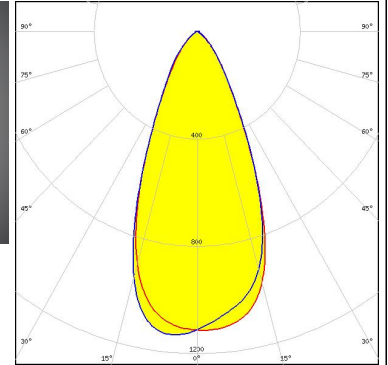
LUMILEDS

LED LUXEON R
FWHM / FWTM 48.0° / 85.0°
Efficiency 80 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



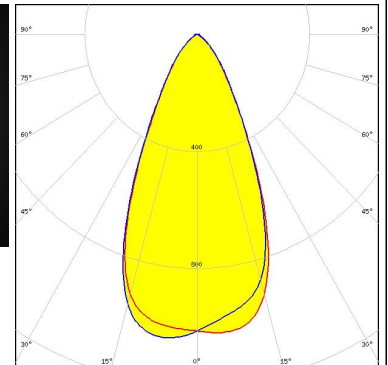
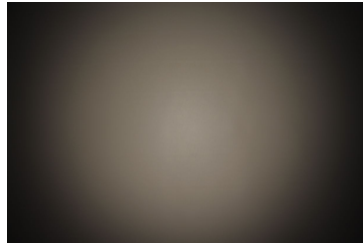
LUMILEDS

LED LUXEON Rebel ES
FWHM / FWTM 46.0° / 82.0°
Efficiency 80 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



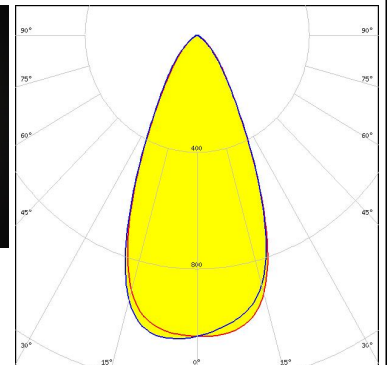
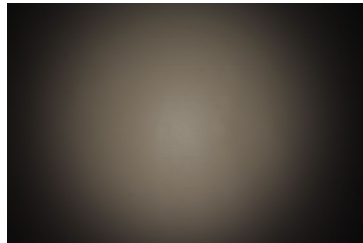
LUMILEDS

LED LUXEON T
FWHM / FWTM 49.0° / 86.0°
Efficiency 82 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

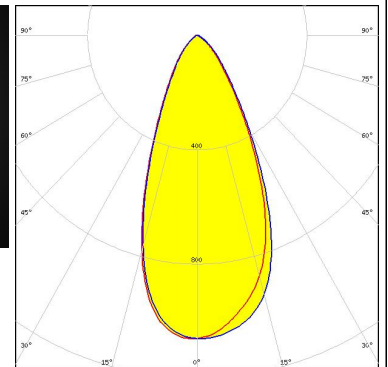
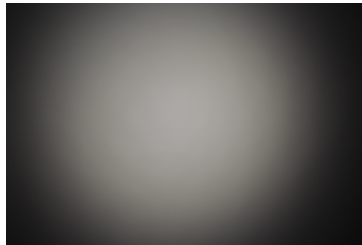
LED LUXEON TX
FWHM / FWTM 48.0° / 85.0°
Efficiency 81 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

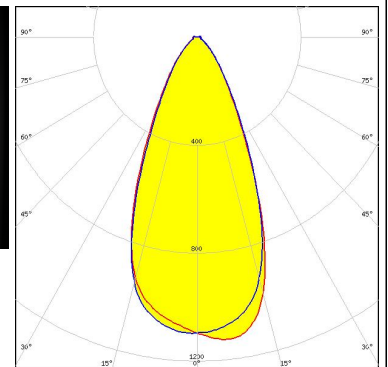
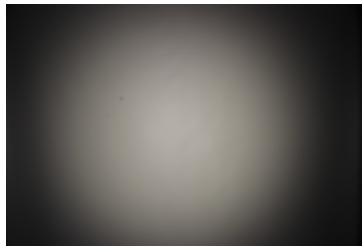
LUMILEDS

LED LUXEON V
FWHM / FWTM 46.0° / 84.0°
Efficiency 79 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



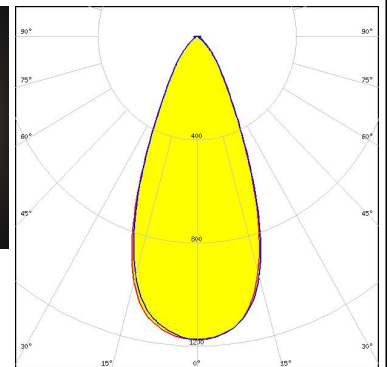
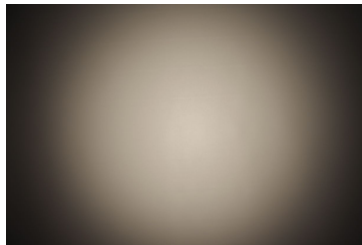
LUMILEDS

LED LUXEON V2
FWHM / FWTM 47.0° / 85.0°
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



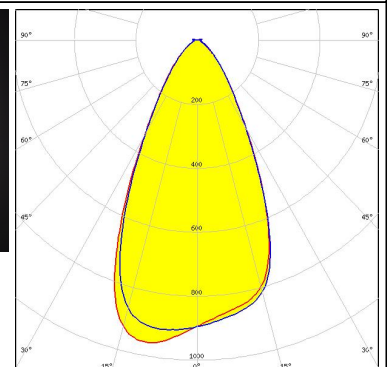
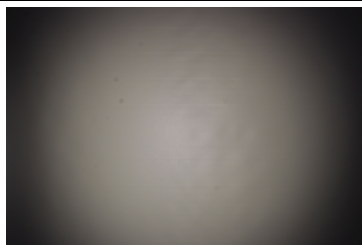
NICHIA

LED NCSxx19B
FWHM / FWTM 45.0° / 80.0°
Efficiency 80 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



NICHIA

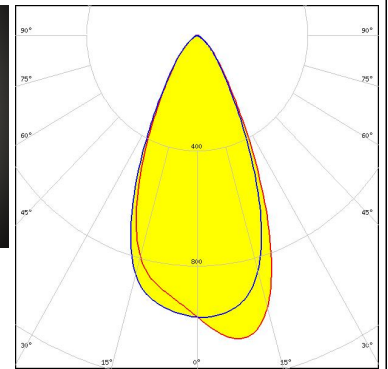
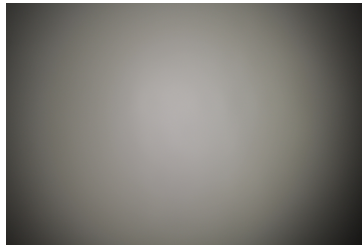
LED NVSW219F
FWHM / FWTM 52.0° / 92.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



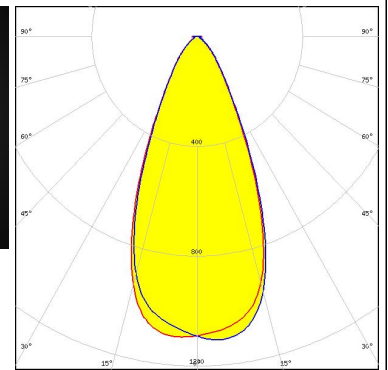
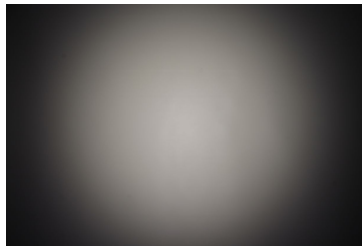
OPTICAL RESULTS (MEASURED):



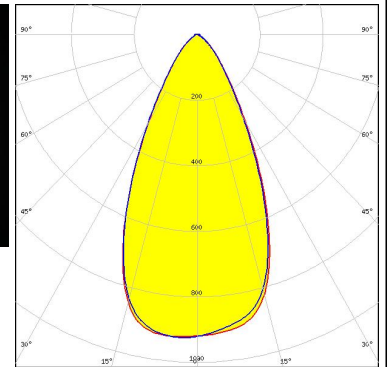
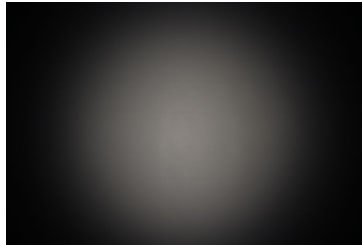
LED NVSW3x9A
FWHM / FWTM 48.0° / 83.0°
Efficiency 78 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



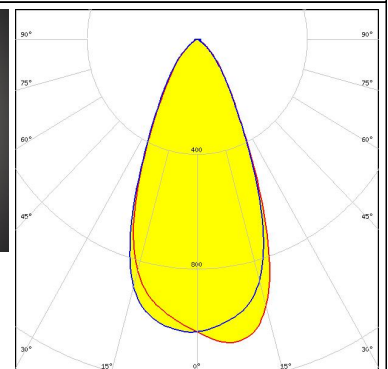
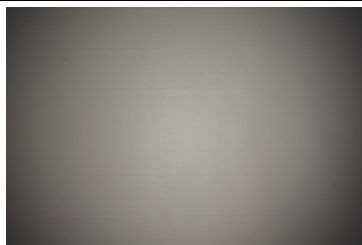
LED NVSxx19B/NVSxx19C
FWHM / FWTM 46.0° / 81.0°
Efficiency 81 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NWSx229A
FWHM / FWTM 51.0° / 87.0°
Efficiency 78 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSLON Square EC
FWHM / FWTM 48.0° / 86.0°
Efficiency 80 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

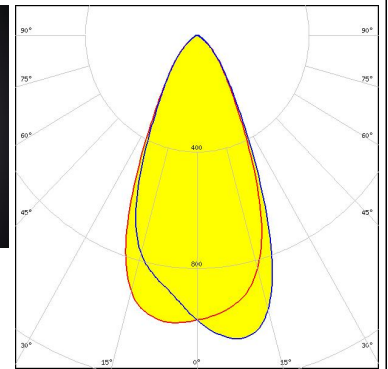
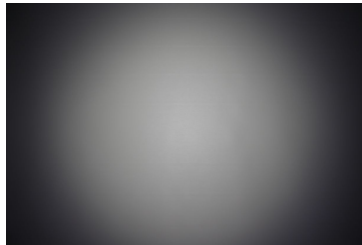


OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

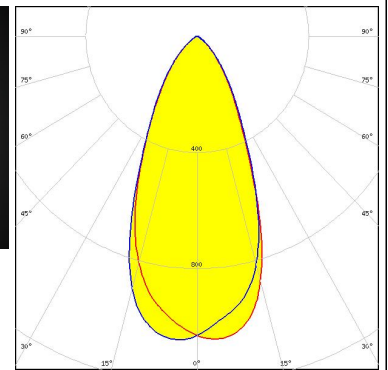
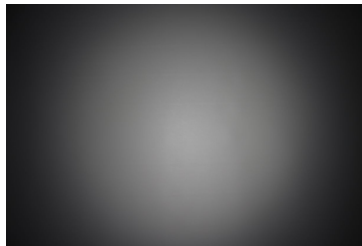
LED OSLON Square PC
FWHM / FWTM 48.0° / 87.0°
Efficiency 79 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

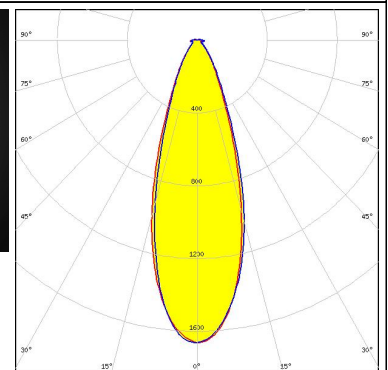
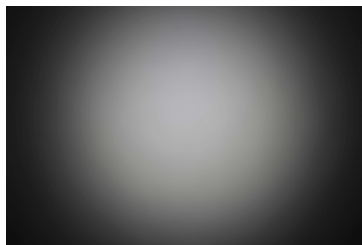
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 46.0° / 88.0°
Efficiency 80 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



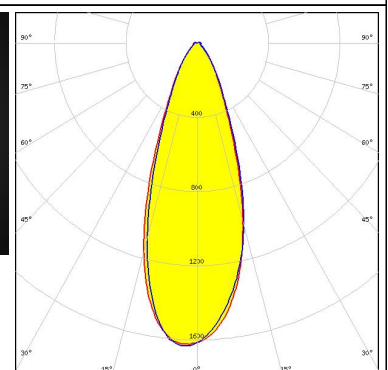
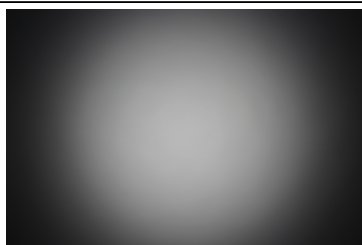
SAMSUNG

LED LH181A
FWHM / FWTM 34.0° / 68.0°
Efficiency 87 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:


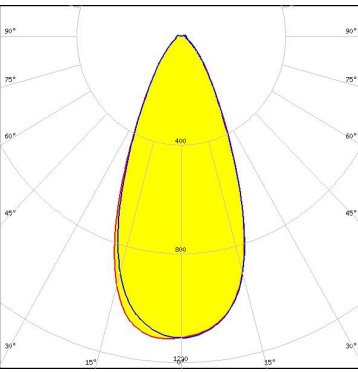

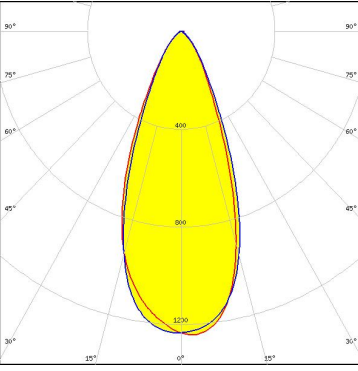
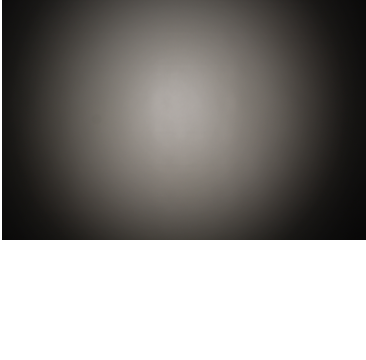
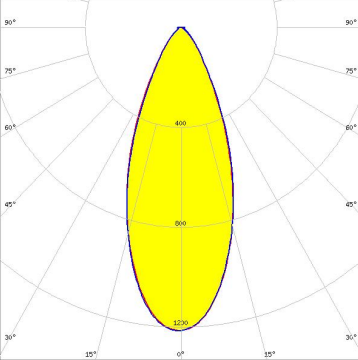


SAMSUNG

LED LH181B
FWHM / FWTM 37.0° / 71.0°
Efficiency 90 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



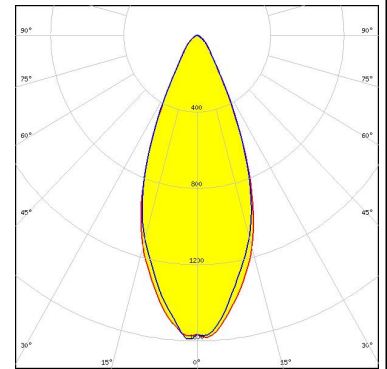
OPTICAL RESULTS (MEASURED):

<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM 46.0° / 85.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 42.0° / 75.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y50P</p> <p>FWHM / FWTM 42.0° / 77.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

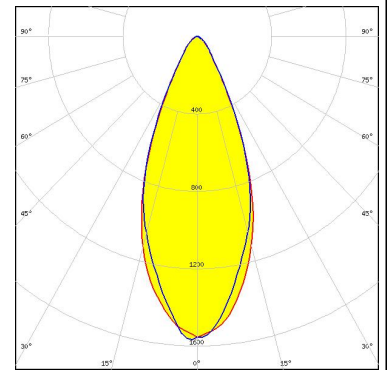
OPTICAL RESULTS (SIMULATED):



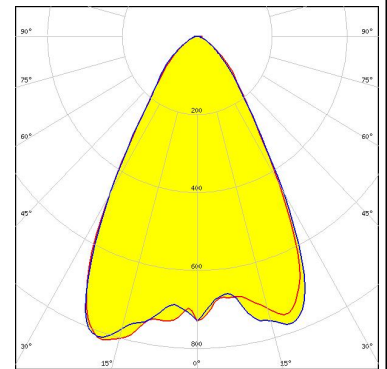
LED J Series 5050 Round LES
 FWHM / FWTM 42.0° / 71.0°
 Efficiency 94 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



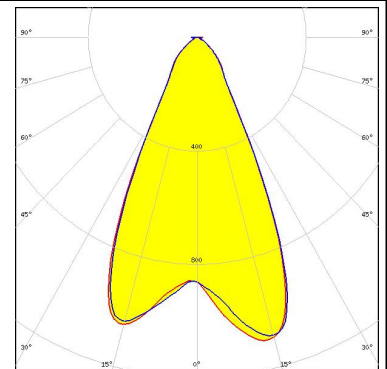
LED J Series 5050B 6V K Class
 FWHM / FWTM 42.0° / 72.0°
 Efficiency 94 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G2 HE
 FWHM / FWTM 62.0° / 105.0°
 Efficiency 97 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



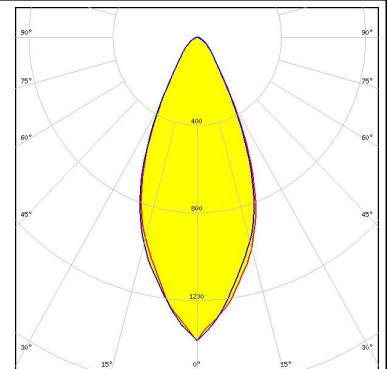
LED XQ-E HI
 FWHM / FWTM 52.0° / 91.0°
 Efficiency 94 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



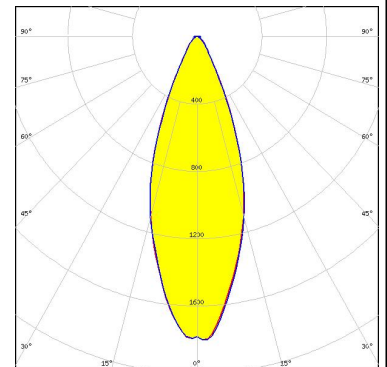
OPTICAL RESULTS (SIMULATED):



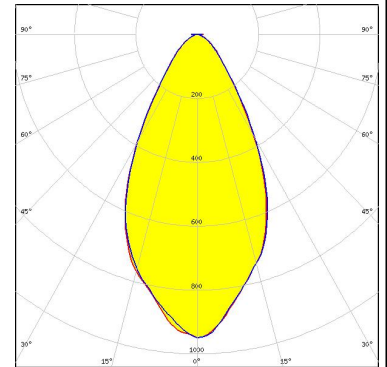
LED LUXEON M/MX
FWHM / FWTM 45.0° / 78.0°
Efficiency 94 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



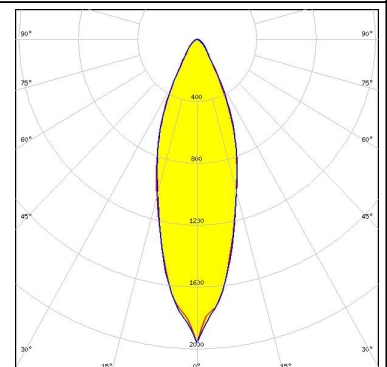
LED NCSxE17A
FWHM / FWTM 36.0° / 64.0°
Efficiency 91 %
Peak intensity 1.8 cd/lm
LEDs/each optic 4
Light colour White
Required components:



LED NV4x144A
FWHM / FWTM 54.0° / 96.0°
Efficiency 89 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSCONIQ C 2424
FWHM / FWTM 32.0° / 67.0°
Efficiency 94 %
Peak intensity 2 cd/lm
LEDs/each optic 4
Light colour White
Required components:

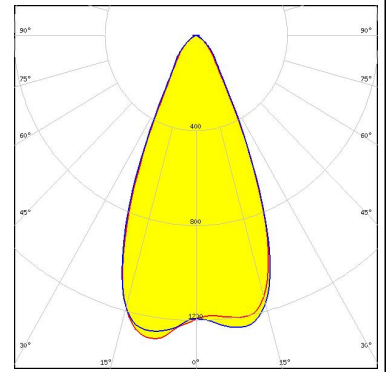


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

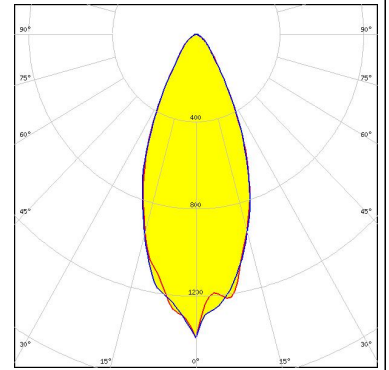
LED OSCONIQ P 3030
FWHM / FWTM 48.0° / 81.0°
Efficiency 95 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

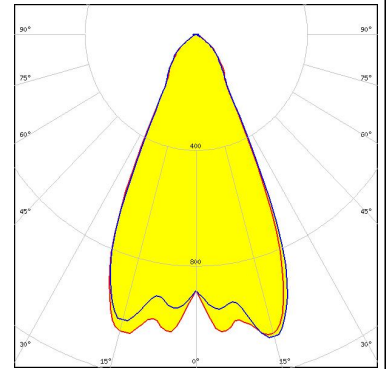
LED OSCONIQ P 7070
FWHM / FWTM 42.0° / 78.0°
Efficiency 90 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

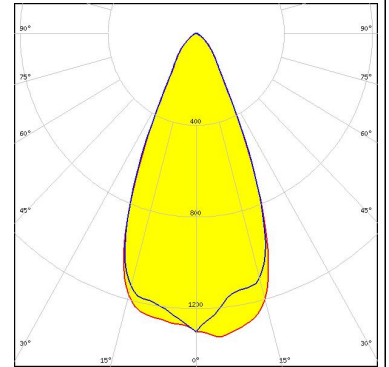
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 50.0° / 90.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED MJT 3030
FWHM / FWTM 48.0° / 80.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM 45.0° / 77.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22T</p> <p>FWHM / FWTM 41.0° / 69.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

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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