

VERONICA-SQ-MINI-O

~15° + 50° oval beam

TECHNICAL SPECIFICATIONS:

Dimensions	13.9 mm
Height	8.9 mm
Fastening	tape, pin
ROHS compliant	yes 

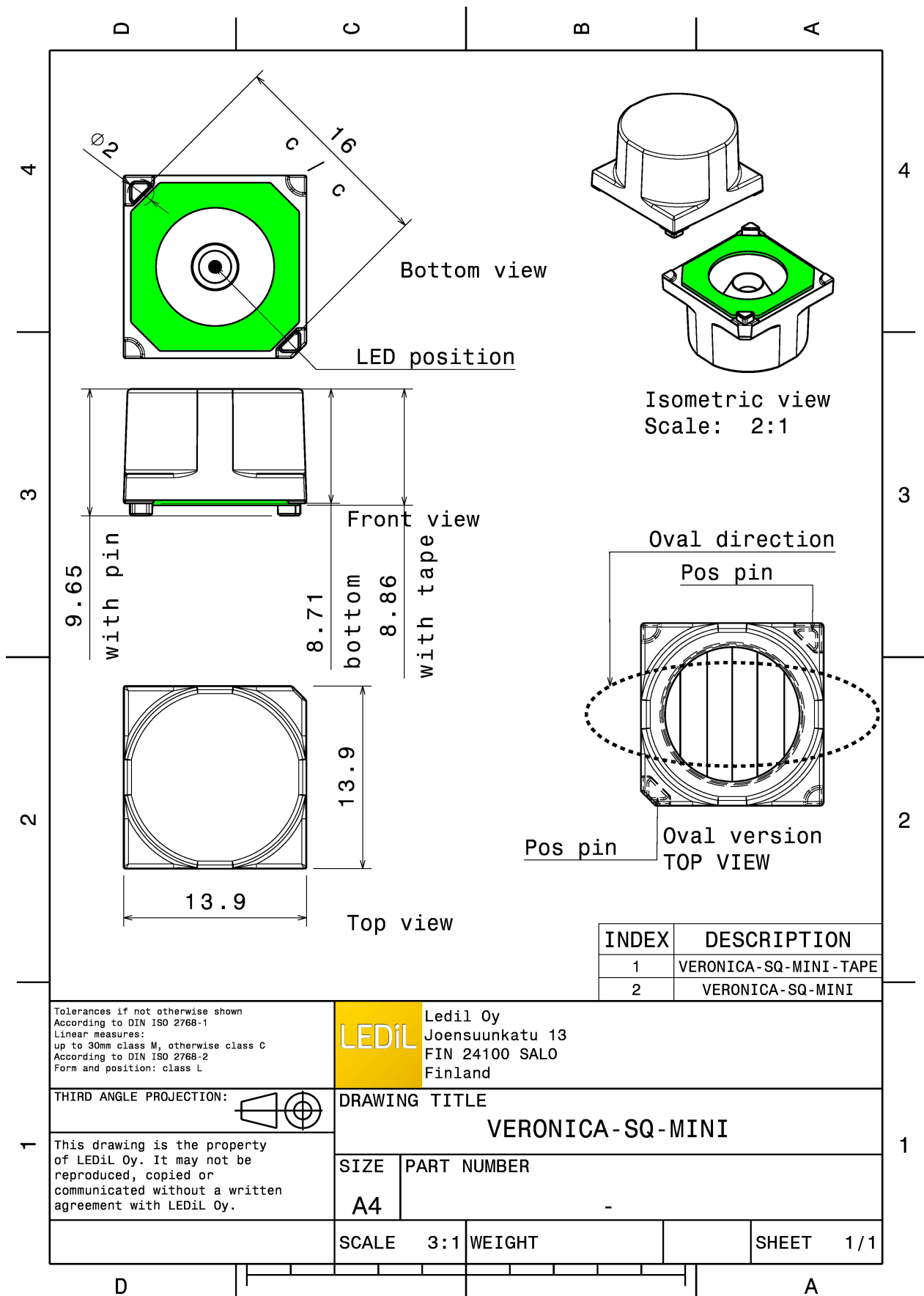
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14602_VERONICA-SQ-MINI-O	Single lens	5544	252	252	7.8
» Box size: 480 x 280 x 300 mm					





LEDiL[®]

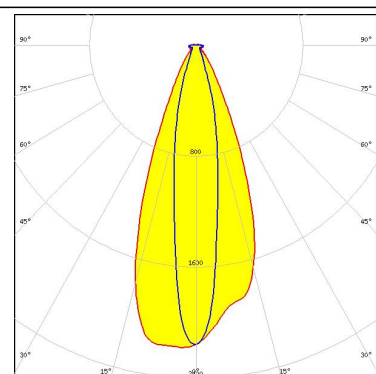
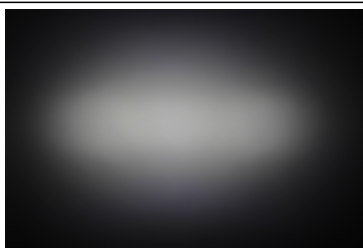
PRODUCT DATASHEET

CA14602_VERONICA-SQ-MINI-O

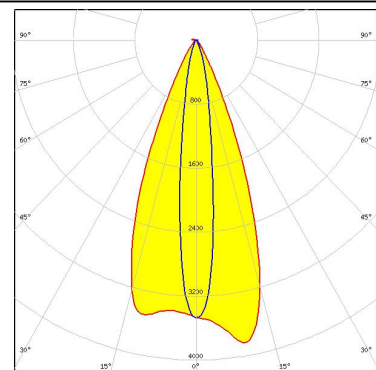
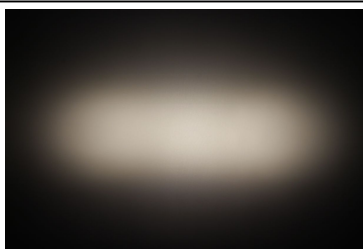
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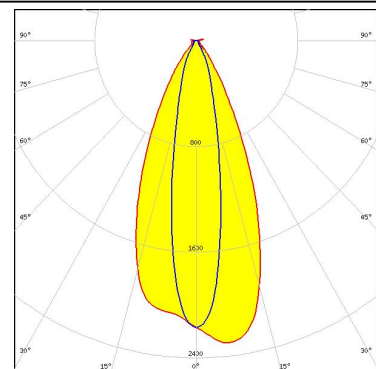
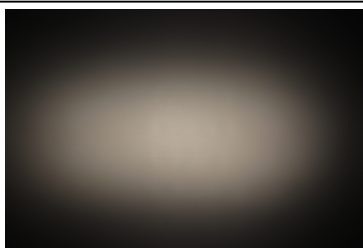
LED XD16
FWHM 41.0 + 18.0°
Efficiency 89 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



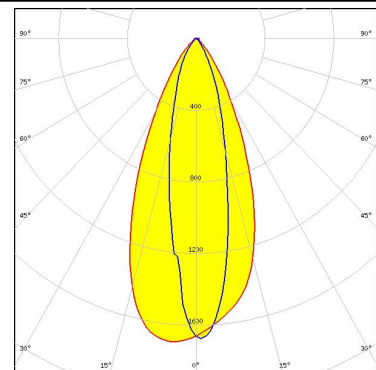
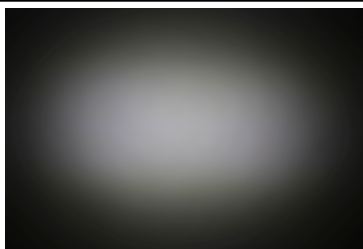
LED XP-E2
FWHM 42.0 + 14.0°
Efficiency 92 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G2
FWHM 45.0 + 20.0°
Efficiency 92 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G3
FWHM 41.0 + 24.0°
Efficiency 92 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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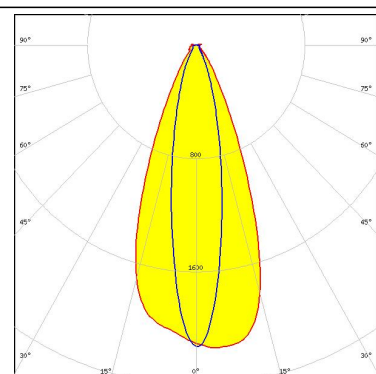
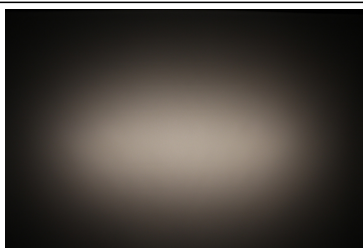
PRODUCT DATASHEET

CA14602_VERONICA-SQ-MINI-O

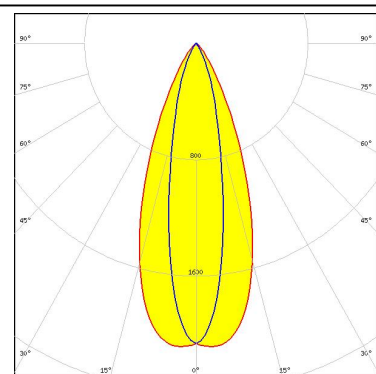
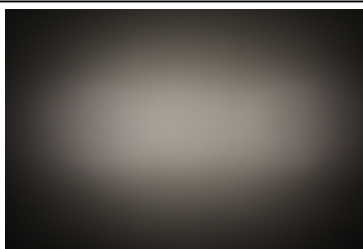
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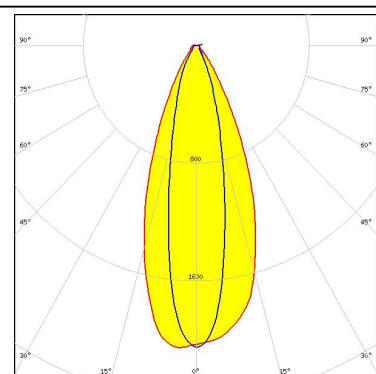
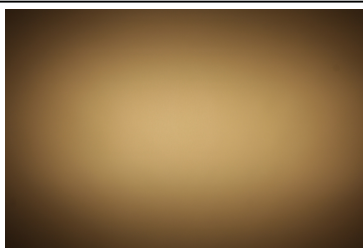
LED LUXEON Rebel
FWHM 42.0 + 20.0°
Efficiency 90 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



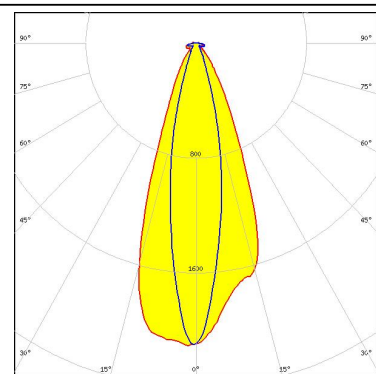
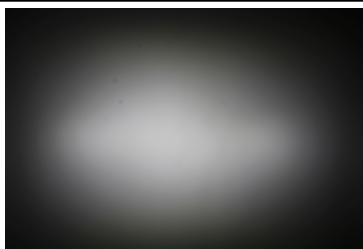
LED LUXEON Rebel ES
FWHM 50.0 + 23.0°
Efficiency 80 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON TX
FWHM 42.0 + 22.0°
Efficiency 90 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NCSxE17A
FWHM 40.0 + 20.0°
Efficiency 89 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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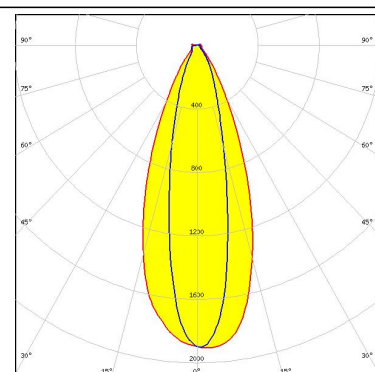
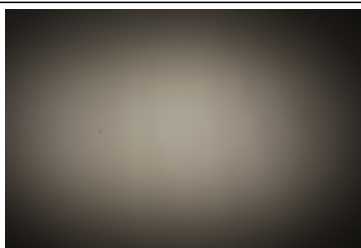
PRODUCT DATASHEET

CA14602_VERONICA-SQ-MINI-O

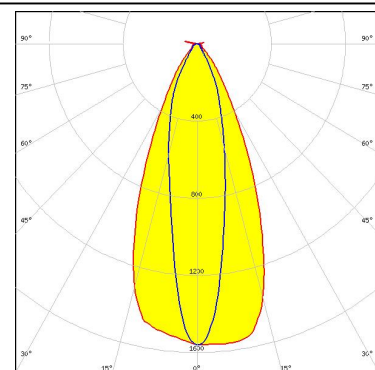
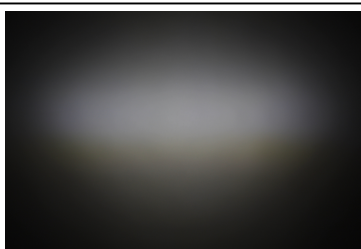
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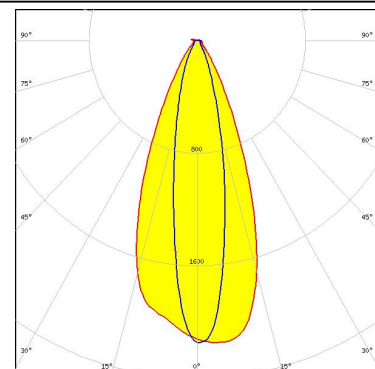
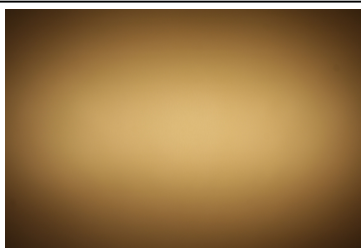
LED NVSxx19B/NVSxx19C
FWHM 41.0 + 23.0°
Efficiency 90 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris S5 (2 chip)
FWHM 76.0 + 22.0°
Efficiency 74 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSLOM Square EC
FWHM 42.0 + 20.0°
Efficiency 89 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED SFH 4170S
FWHM 40.0 + 12.0°
Efficiency %
LEDs/each optic 1
Light colour IR
Required components:



LEDiL[®]

PRODUCT DATASHEET

CA14602_VERONICA-SQ-MINI-O

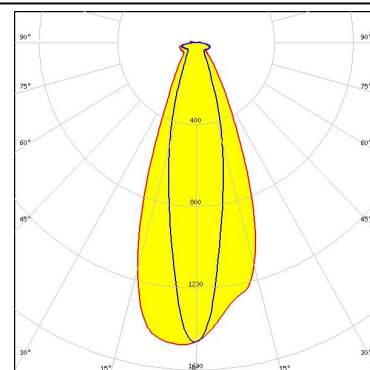
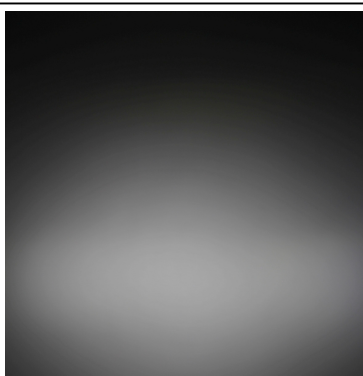
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED SFH 4180S
FWHM 38.0 + 11.0°
Efficiency %
LEDs/each optic 1
Light colour IR
Required components:

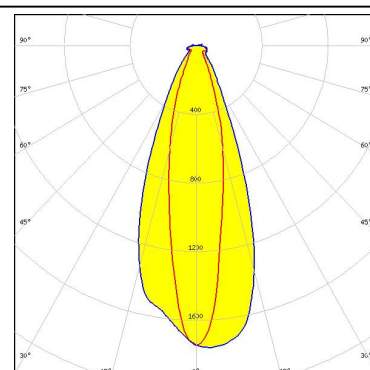
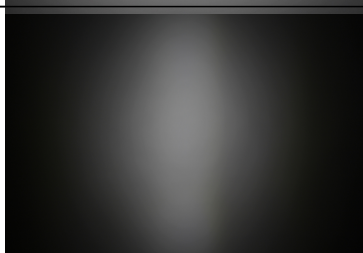
SAMSUNG

LED LH181A
FWHM 42.0 + 22.0°
Efficiency 88 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



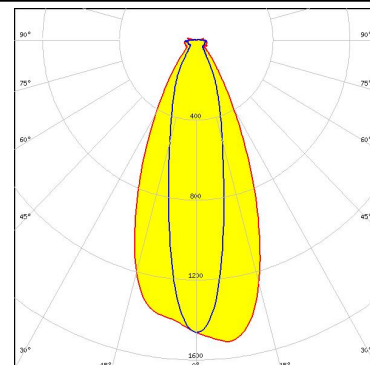
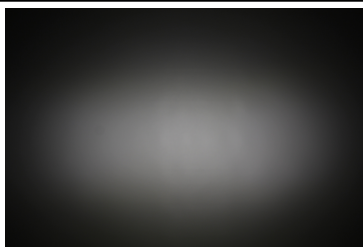
SAMSUNG

LED LH181B
FWHM 22.0 + 41.0°
Efficiency 91 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM 46.0 + 23.0°
Efficiency 90 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LEDiL[®]

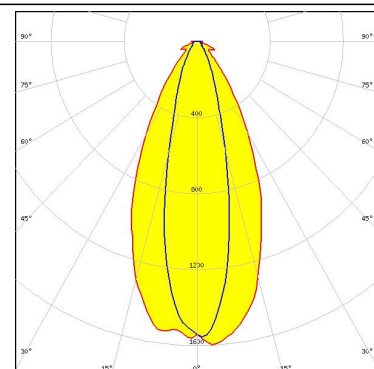
PRODUCT DATASHEET

CA14602_VERONICA-SQ-MINI-O

PHOTOMETRIC DATA (SIMULATED):



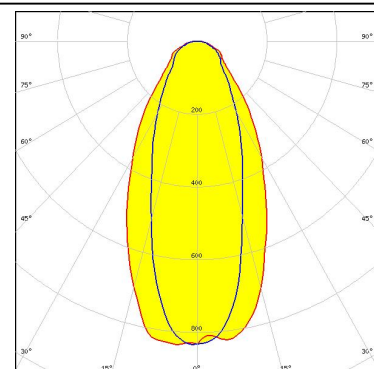
LED XP-G2 HE
FWHM 50.0 + 26.0°
Efficiency 90 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



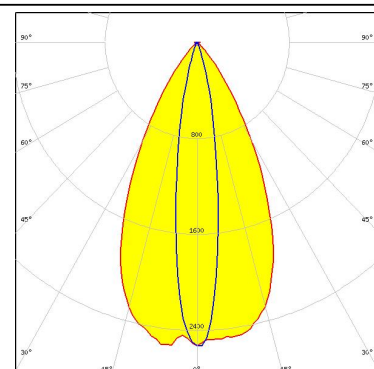
LED XQ-E HD
FWHM 54.0 + 16.0°
Efficiency 90 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 5050 Round LES
FWHM 54.0 + 36.0°
Efficiency 86 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON C
FWHM 53.0 + 17.0°
Efficiency 87 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LEDiL[®]

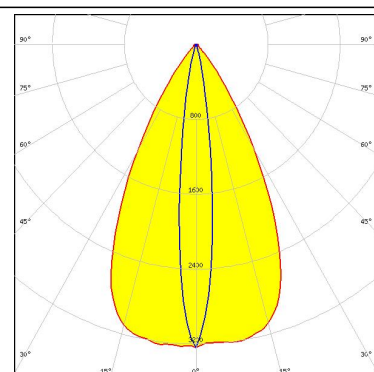
PRODUCT DATASHEET

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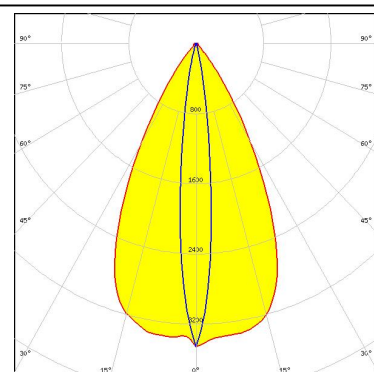
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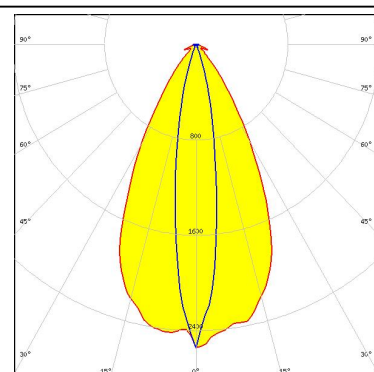
LED LUXEON CZ
FWHM 56.0 + 13.0°
Efficiency 91 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour PC Amber
Required components:



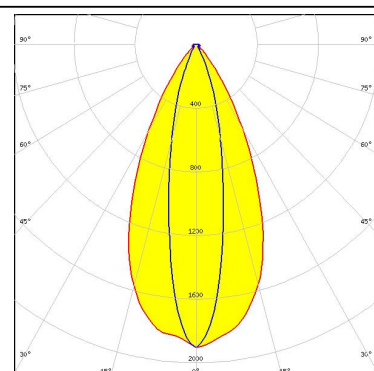
LED LUXEON CZ
FWHM 54.0 + 12.0°
Efficiency 91 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



LED LUXEON Z ES
FWHM 53.0 + 16.0°
Efficiency 92 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSCONIQ P 3737 (2W version)
FWHM 49.0 + 22.0°
Efficiency 83 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LEDiL[®]

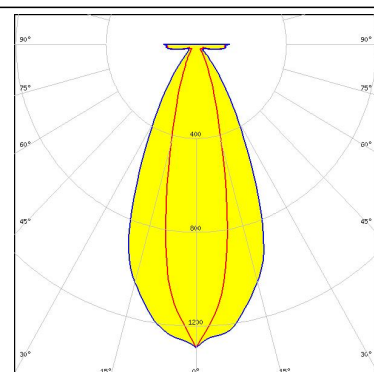
PRODUCT DATASHEET

CA14602_VERONICA-SQ-MINI-O

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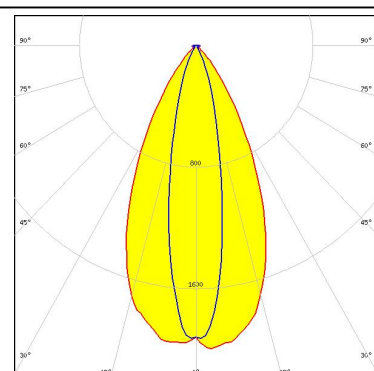
OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
FWHM 24.0 + 48.0°
Efficiency 84 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



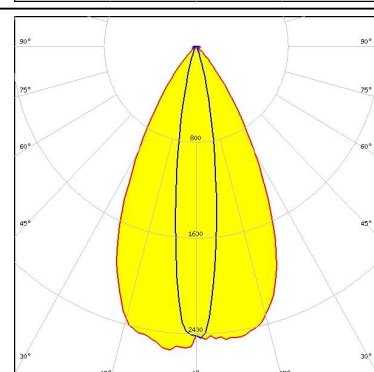
OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM 48.0 + 20.0°
Efficiency 81 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



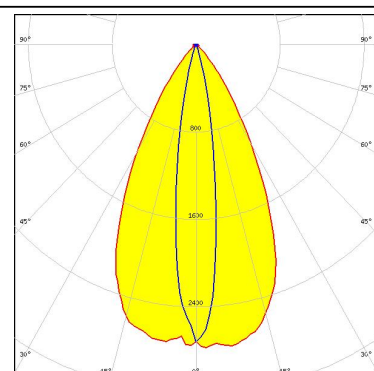
OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM 55.0 + 16.0°
Efficiency 89 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM 54.0 + 15.0°
Efficiency 90 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour Green
Required components:



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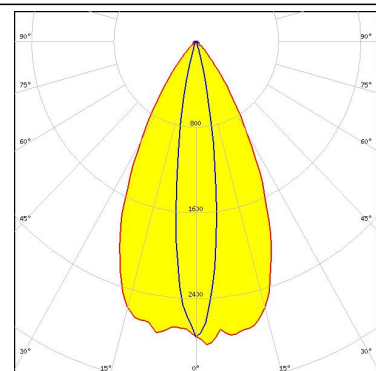
PRODUCT DATASHEET

CA14602_VERONICA-SQ-MINI-O

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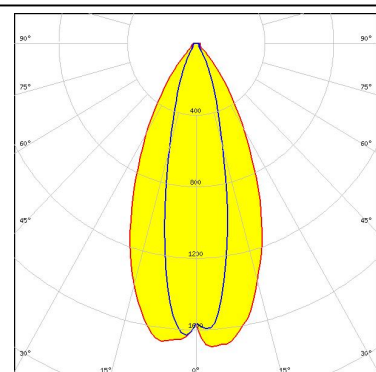
OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM 53.0 + 16.0°
Efficiency 90 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



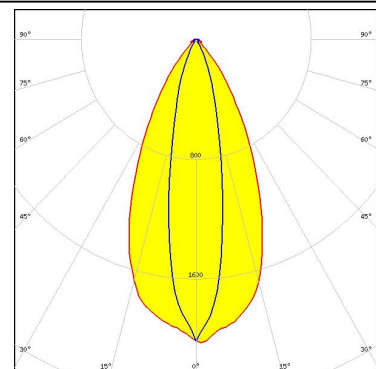
SAMSUNG

LED LH351B
FWHM 49.0 + 24.0°
Efficiency 84 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



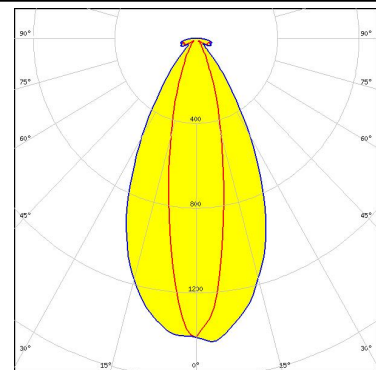
SEOUL
SEMICONDUCTOR

LED Z5M1/Z5M2
FWHM 50.0 + 22.0°
Efficiency 88 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

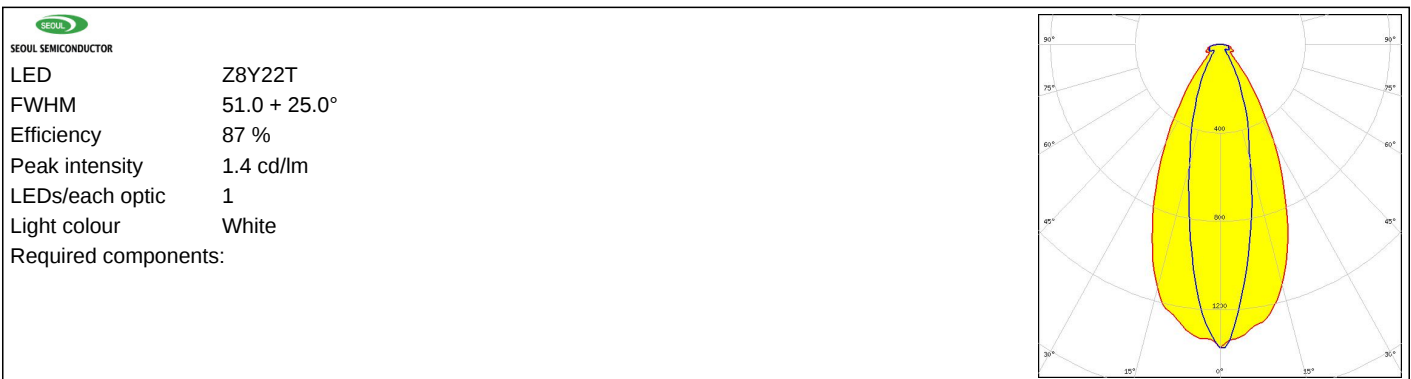


SEOUL
SEMICONDUCTOR

LED Z8Y19
FWHM 22.0 + 52.0°
Efficiency 87 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):



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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FI-24240 SALO
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Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

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Hong Kong, China

Distribution Partners

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Mouser Electronics

Authorized Distributor

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