

## VERONICA-SQ-MINI-W

~55° wide beam

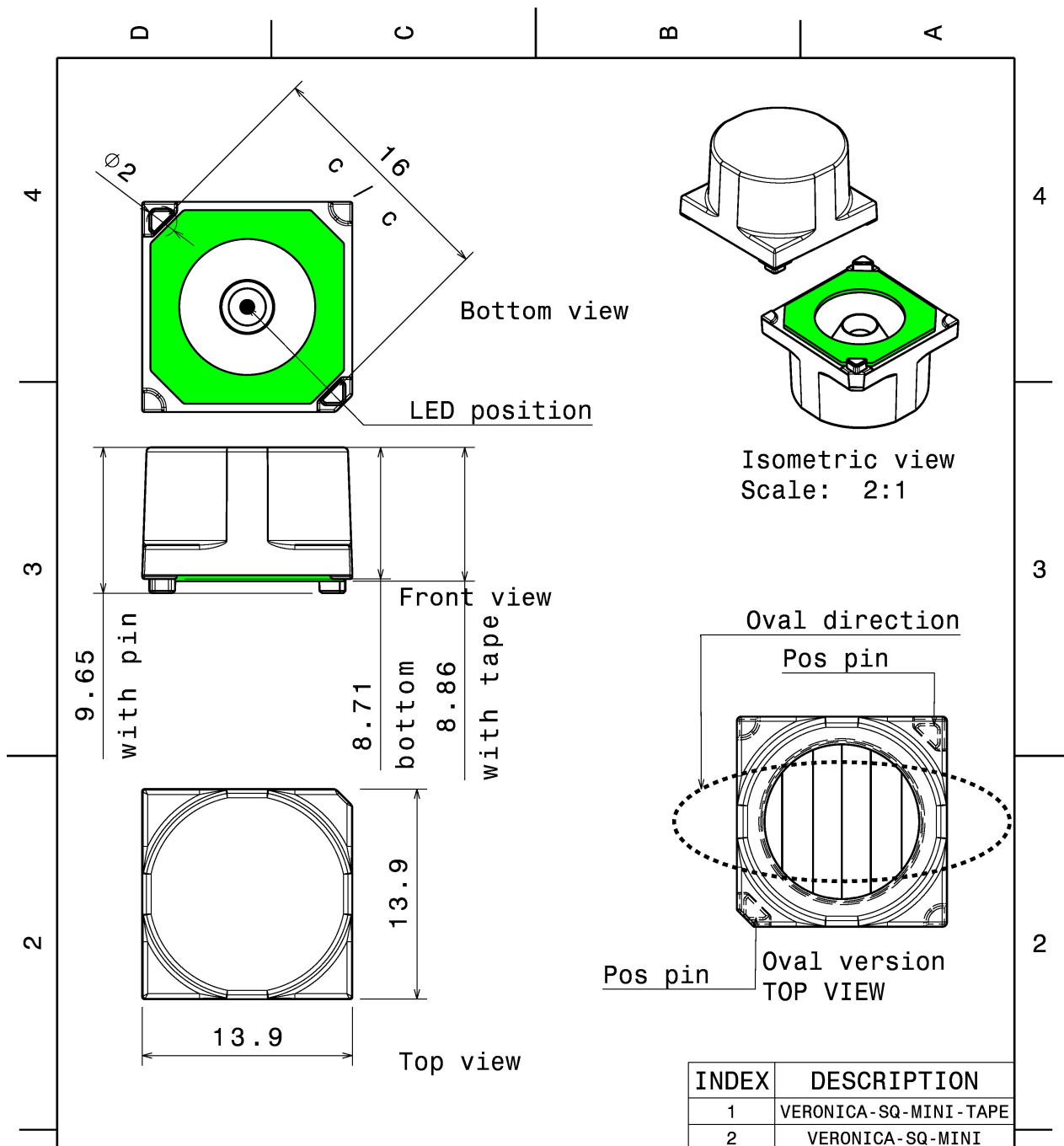
### TECHNICAL SPECIFICATIONS:

Dimensions	13.9 mm
Height	8.9 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	9.5 kg
Quantity in Box	5544 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

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



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** Ledil Oy  
 Joensuunkatu 13  
 FIN 24100 SALO  
 Finland

THIRD ANGLE PROJECTION:

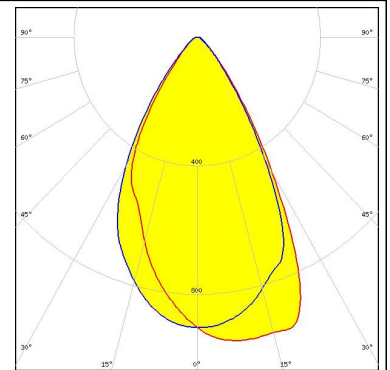
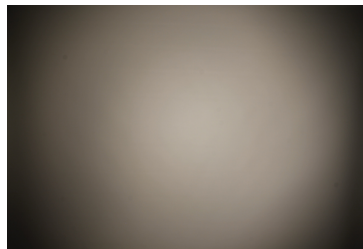
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DRAWING TITLE			
<b>VERONICA-SQ-MINI</b>			
SIZE	PART NUMBER		
<b>A4</b>	-		
SCALE	3:1	WEIGHT	SHEET 1/1

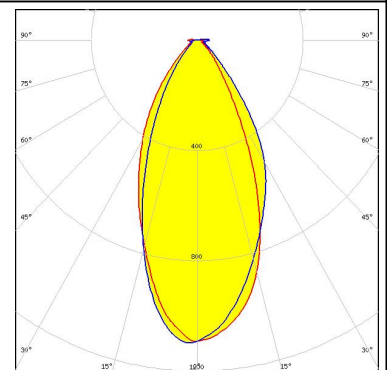
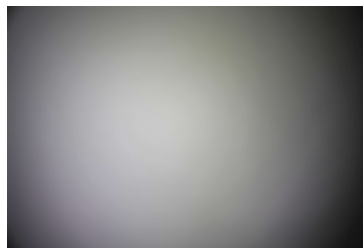
#### PHOTOMETRIC DATA (MEASURED):



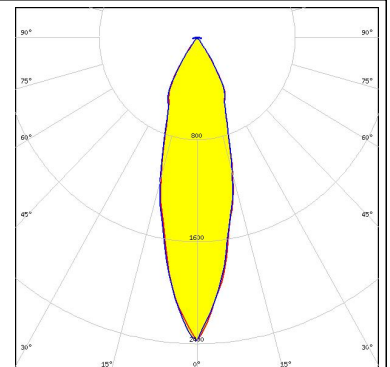
LED XP-G2  
 FWHM 56.8°  
 Efficiency 91 %  
 Peak intensity 0.957 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



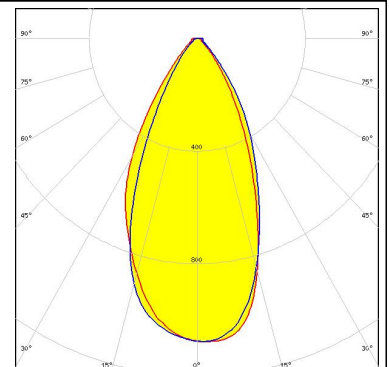
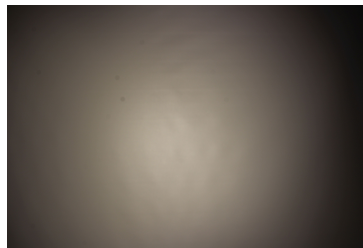
LED XP-G3  
 FWHM 49.0°  
 Efficiency 94 %  
 Peak intensity 1.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NCSxE17A  
 FWHM 28.0°  
 Efficiency 91 %  
 Peak intensity 2.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



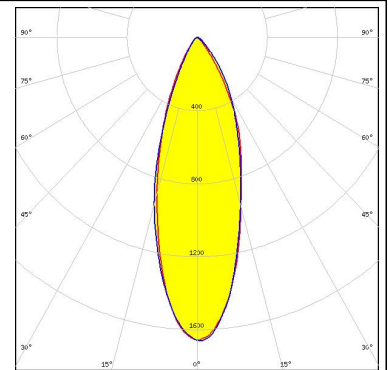
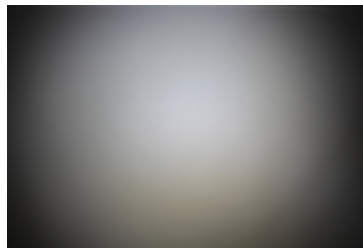
LED NVSxx19B/NVSxx19C  
 FWHM 50.0°  
 Efficiency 92 %  
 Peak intensity 1.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

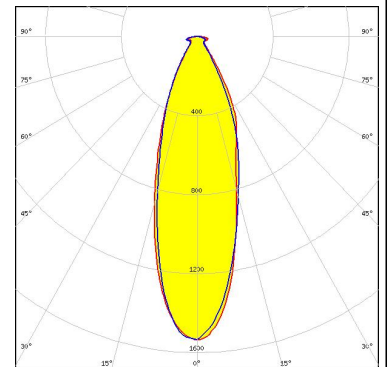
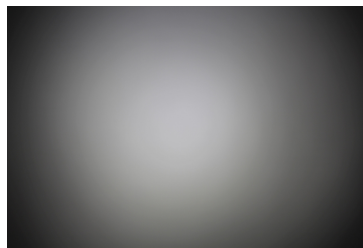
**OSRAM**  
Opto Semiconductors

LED Duris S5 (2 chip)  
FWHM 34.0°  
Efficiency 82 %  
Peak intensity 1.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



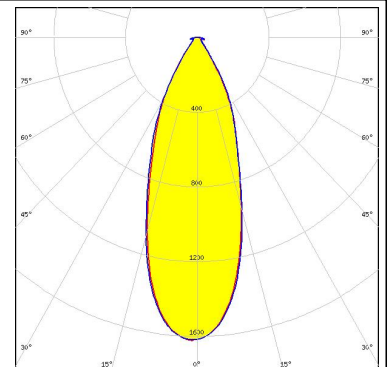
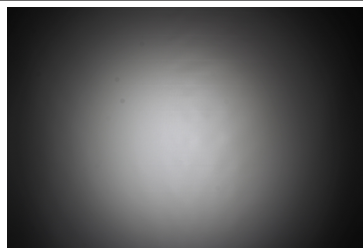
**SAMSUNG**

LED LH181A  
FWHM 32.0°  
Efficiency 89 %  
Peak intensity 1.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**SAMSUNG**

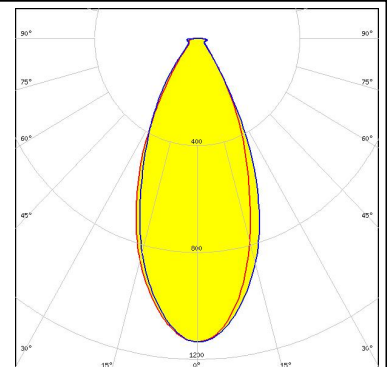
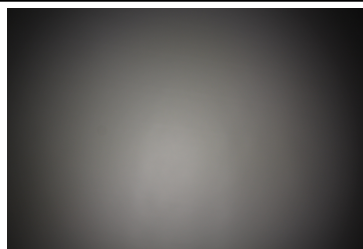
LED LH181B  
FWHM 37.0°  
Efficiency 94 %  
Peak intensity 1.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**SEOL**

SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM 46.0°  
Efficiency 92 %  
Peak intensity 1.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



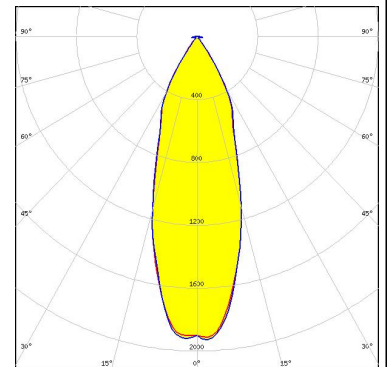
#### PHOTOMETRIC DATA (SIMULATED):



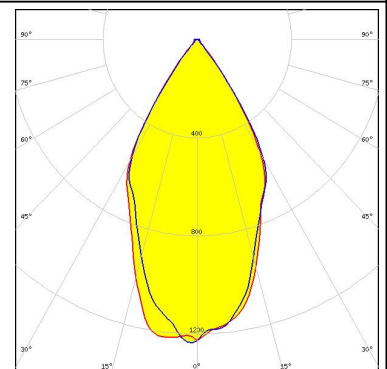
**LED** XQ-E HD  
**FWHM** 48.0°  
**Efficiency** 96 %  
**Peak intensity** 1.375 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



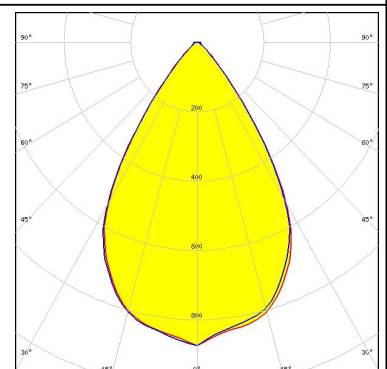
**LED** NVSxE21A  
**FWHM** 34.0°  
**Efficiency** 94 %  
**Peak intensity** 1.900 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



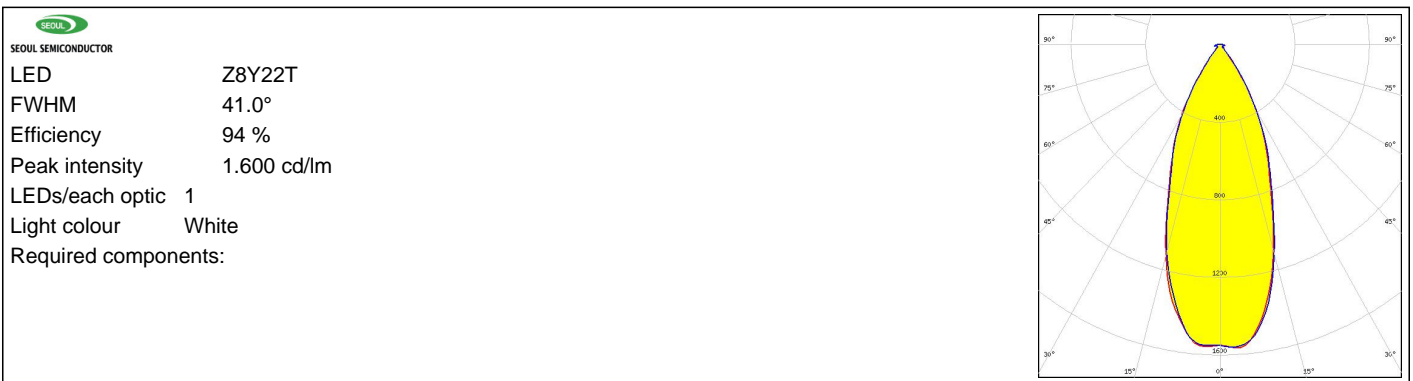
**LED** OSOLON Square CSSRM2/CSSRM3  
**FWHM** 57.0°  
**Efficiency** 97 %  
**Peak intensity** 1.255 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** LH351B  
**FWHM** 65.0°  
**Efficiency** 94 %  
**Peak intensity** 0.880 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.

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