

## VERONICA-SQ-MINI-M

~35° medium beam

### TECHNICAL SPECIFICATIONS:

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

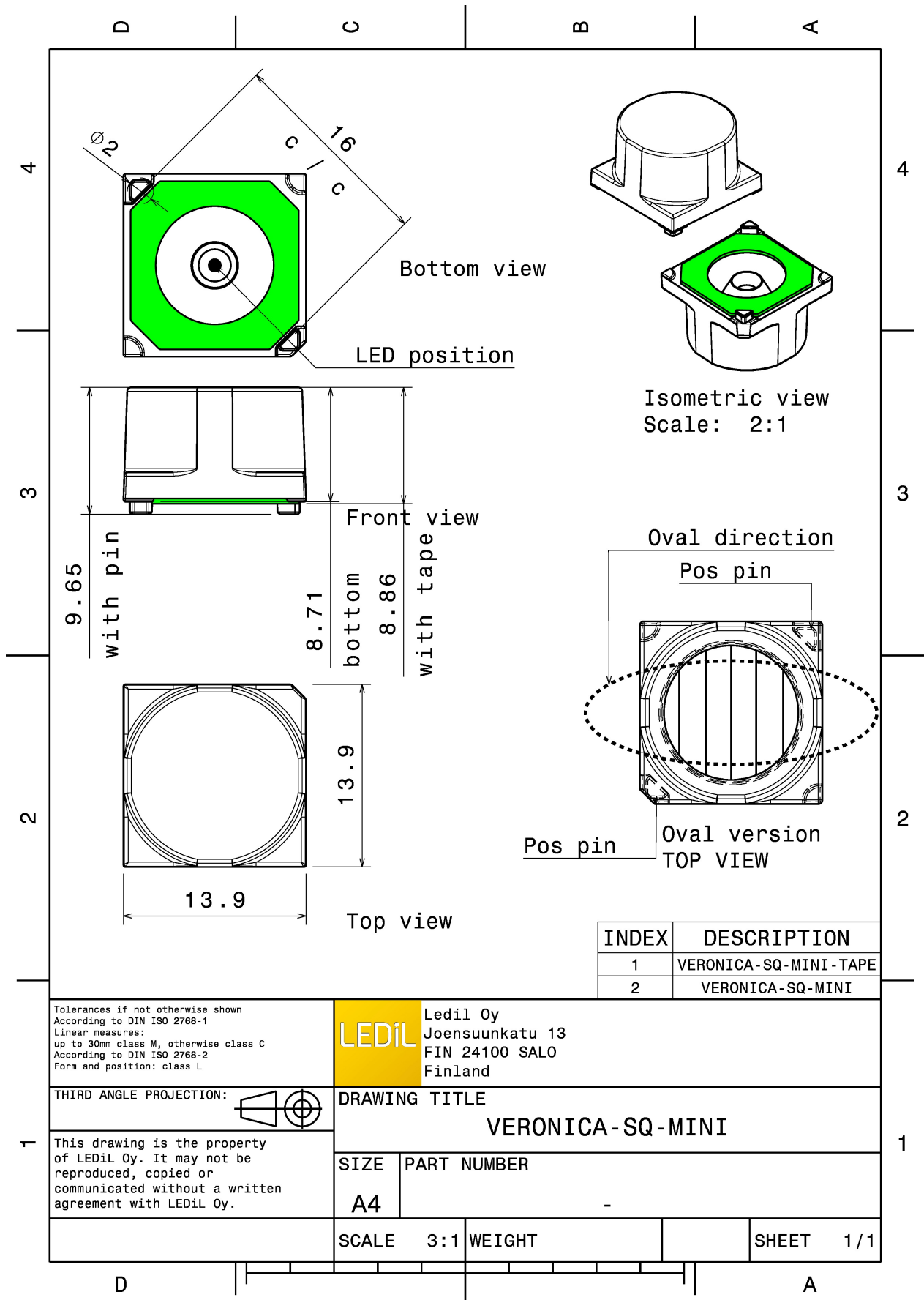
### MATERIAL SPECIFICATIONS:

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

### ORDERING INFORMATION:


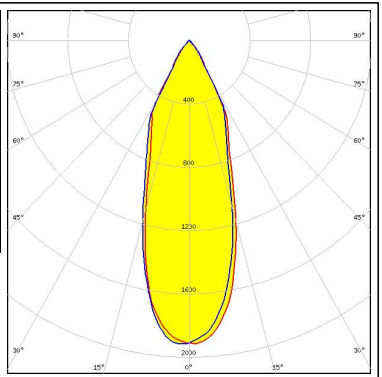

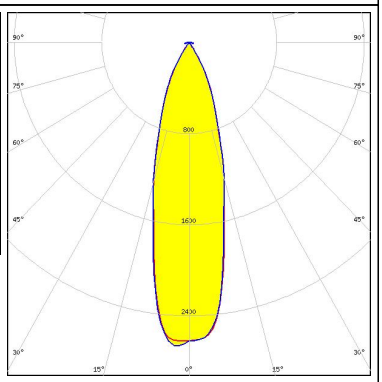

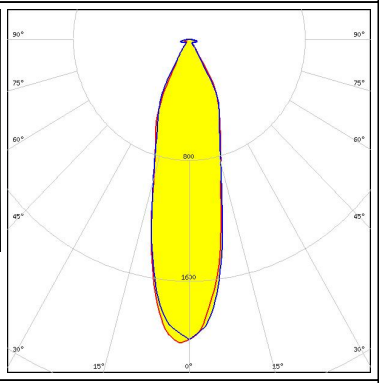
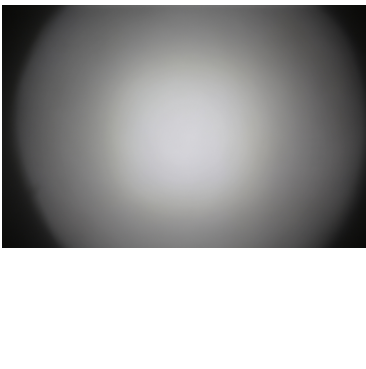
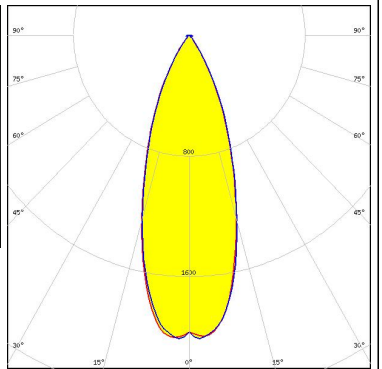
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA15230_VERONICA-SQ-MINI-M	Single lens	5544	252	252	8.5
» Box size: 480 x 280 x 300 mm					





See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> LED</p> <p>LED: XP-G2            FWHM / FWTM: 34.0° / 65.0°            Efficiency: 89 %            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED: NCSxE17A            FWHM / FWTM: 23.0° / 59.0°            Efficiency: 93 %            Peak intensity: 2.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>SAMSUNG</b></p> <p>LED: LH181A            FWHM / FWTM: 27.0° / 61.0°            Efficiency: 88 %            Peak intensity: 2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>SAMSUNG</b></p> <p>LED: LH181B            FWHM / FWTM: 29.0° / 61.0°            Efficiency: 93 %            Peak intensity: 2.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		

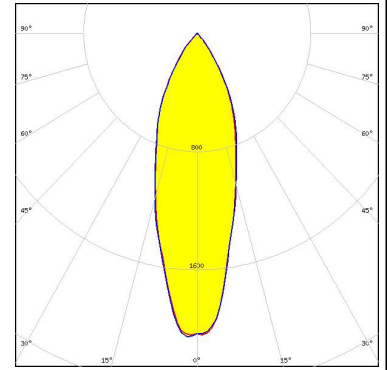
#### PHOTOMETRIC DATA (MEASURED):



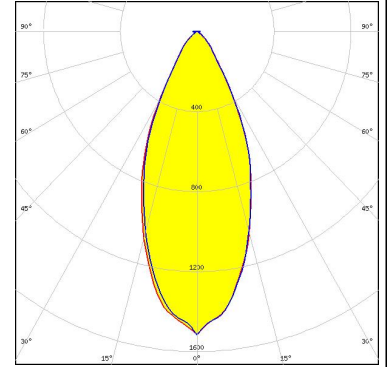
#### PHOTOMETRIC DATA (SIMULATED):



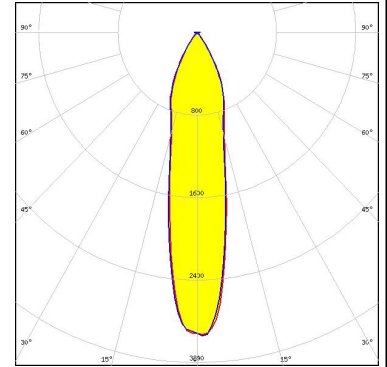
LED XP-E2  
 FWHM / FWTM 33.0° / 73.0°  
 Efficiency 96 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



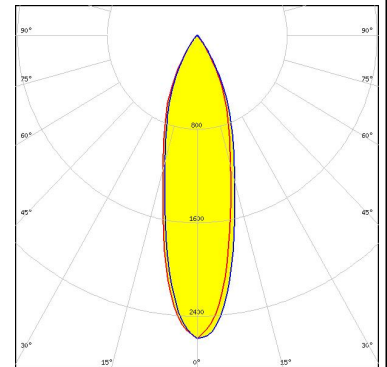
LED XP-G3  
 FWHM / FWTM 44.0° / 75.0°  
 Efficiency 96 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XQ-E HI  
 FWHM / FWTM 23.0° / 64.0°  
 Efficiency 96 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



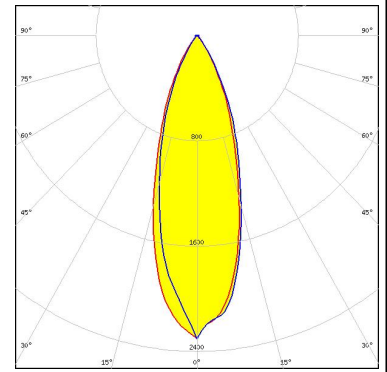
LED LUXEON 2835 Line  
 FWHM / FWTM 28.0° / 64.0°  
 Efficiency 96 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour PC Amber  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

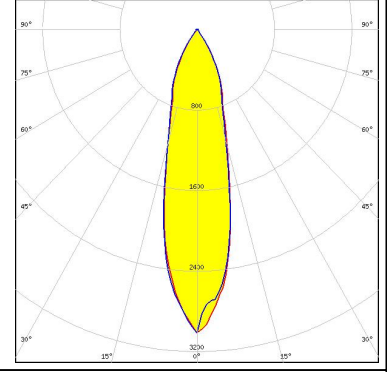
#### LUMILEDS

LED LUXEON 3030 HV  
 FWHM / FWTM 33.0° / 64.0°  
 Efficiency 95 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



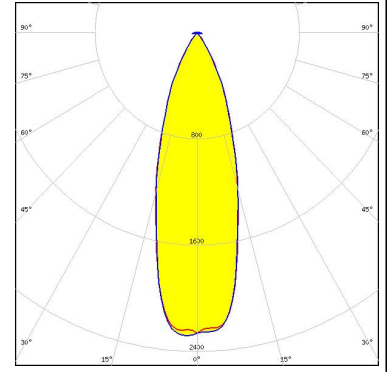
#### LUMILEDS

LED LUXEON Z ES  
 FWHM / FWTM 25.0° / 62.0°  
 Efficiency 94 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



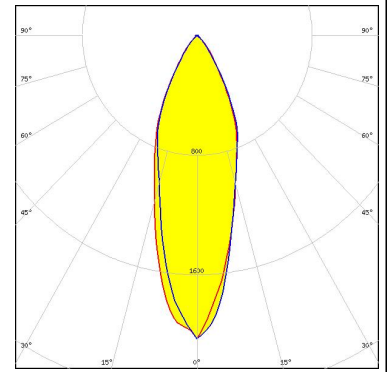
#### NICHIA

LED NVSxE21A  
 FWHM / FWTM 32.0° / 62.0°  
 Efficiency 94 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

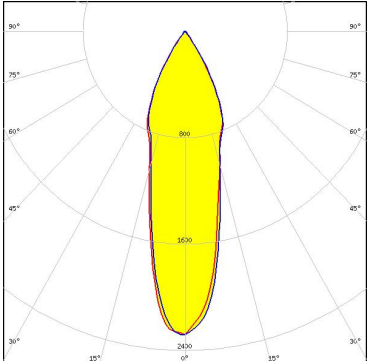
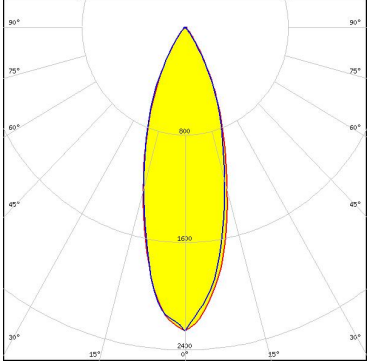
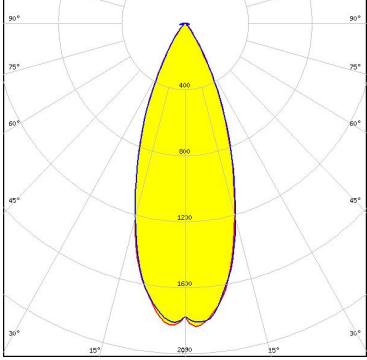


#### OSRAM

Opto Semiconductors  
 LED OSOLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 31.0° / 70.0°  
 Efficiency 97 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON SSL 80</p> <p>FWHM / FWTM 28.0° / 68.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 3.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SEOUL</b> SEOUL SEMICONDUCTOR</p> <p>LED MJT 3030</p> <p>FWHM / FWTM 33.0° / 66.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 2.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SEOUL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22T</p> <p>FWHM / FWTM 38.0° / 66.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.9 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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