

## VERONICA-SQ-MINI-D

~15° diffused spot beam

### TECHNICAL SPECIFICATIONS:

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

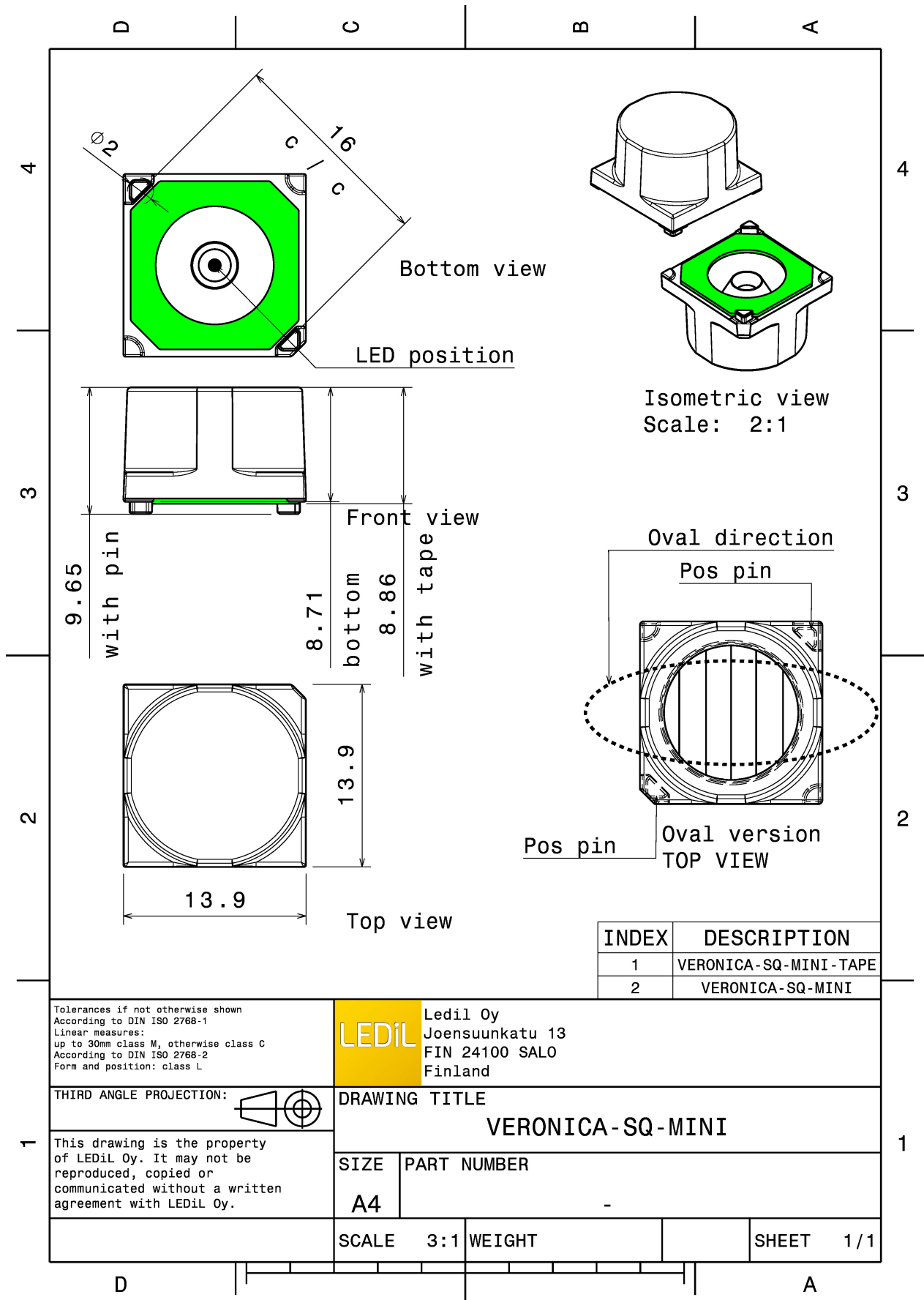
### MATERIAL SPECIFICATIONS:

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

### ORDERING INFORMATION:


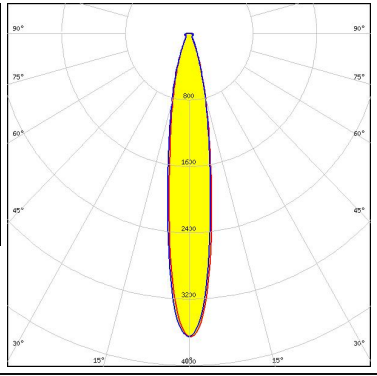

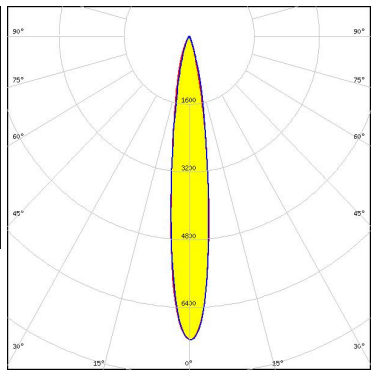

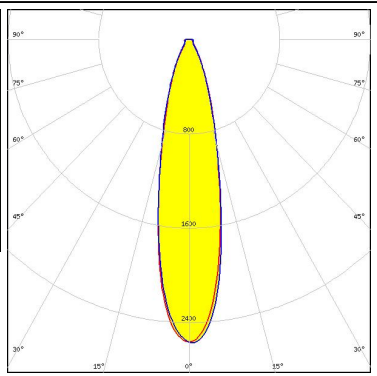
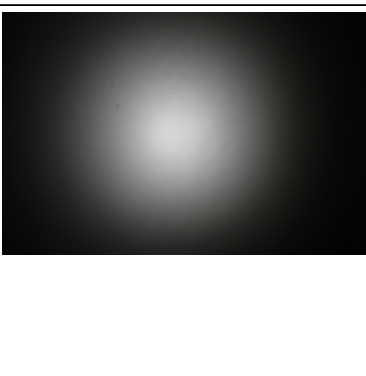
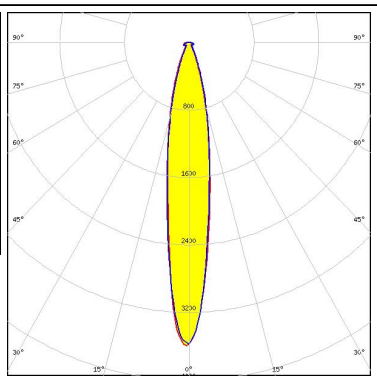
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA15519_VERONICA-SQ-MINI-D	Single lens	5544	252	252	8.2
» Box size: 480 x 280 x 300 mm					





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

#### PHOTOMETRIC DATA (MEASURED):

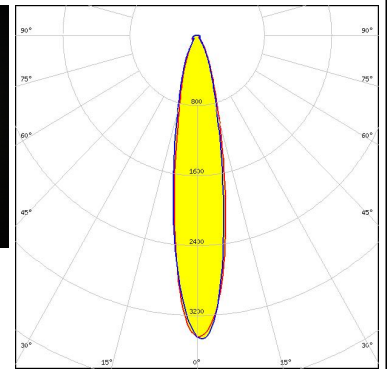
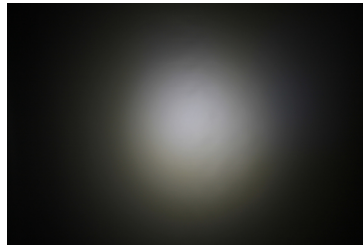
<p><b>CREE</b> → LED</p> <p>LED: XD16            FWHM / FWTM: 17.0° / 42.0°            Efficiency: 90 %            Peak intensity: 3.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> → LED</p> <p>LED: XP-E2            FWHM / FWTM: 15.0° / 33.0°            Efficiency: 92 %            Peak intensity: 7.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> → LED</p> <p>LED: XP-G3            FWHM / FWTM: 24.0° / 55.0°            Efficiency: 93 %            Peak intensity: 2.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED: NCSxE17A            FWHM / FWTM: 17.0° / 44.0°            Efficiency: 89 %            Peak intensity: 3.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

LED Duris S5 (2 chip)  
 FWHM / FWTM 20.0° / 48.0°  
 Efficiency 93 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

LED SFH 4170S  
 FWHM / FWTM 11.0° / 31.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour IR  
 Required components:

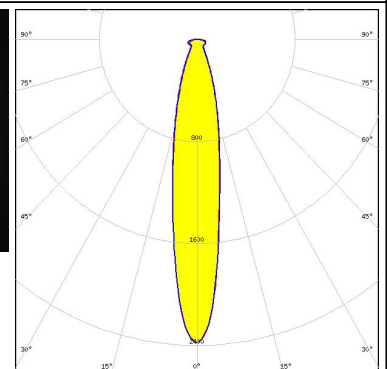
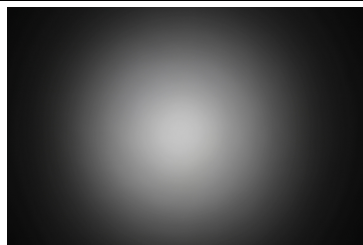
#### OSRAM

Opto Semiconductors

LED SFH 4180S  
 FWHM / FWTM 11.0° / 29.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour IR  
 Required components:

#### SAMSUNG

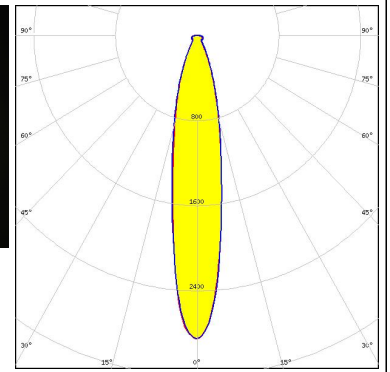
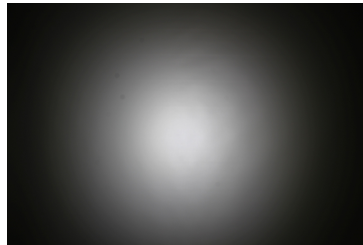
LED LH181A  
 FWHM / FWTM 19.0° / 51.0°  
 Efficiency 88 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

### SAMSUNG

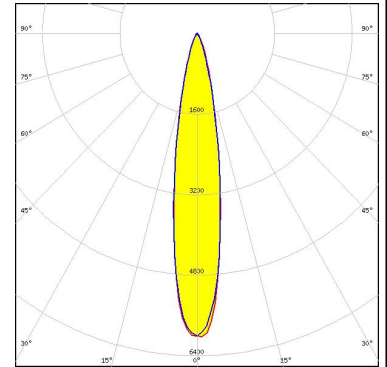
LED LH181B  
FWHM / FWTM 19.0° / 50.0°  
Efficiency 90 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



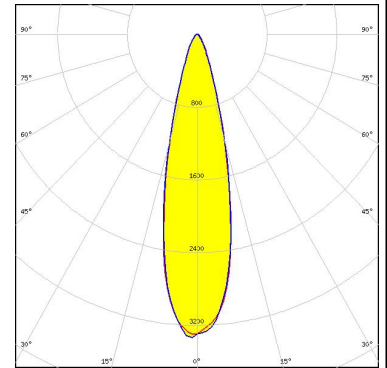
#### PHOTOMETRIC DATA (SIMULATED):



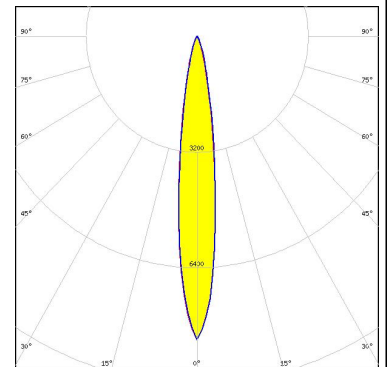
LED J Series 3030  
 FWHM / FWTM 18.0° / 38.0°  
 Efficiency 94 %  
 Peak intensity 6.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



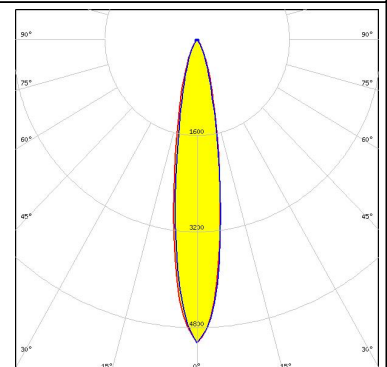
LED XP-G2 HE  
 FWHM / FWTM 26.0° / 49.0°  
 Efficiency 97 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 2835 Line  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 96 %  
 Peak intensity 8.4 cd/lm  
 LEDs/each optic 1  
 Light colour PC Amber  
 Required components:



LED LUXEON 3030 HV  
 FWHM / FWTM 18.0° / 43.0°  
 Efficiency 95 %  
 Peak intensity 5.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

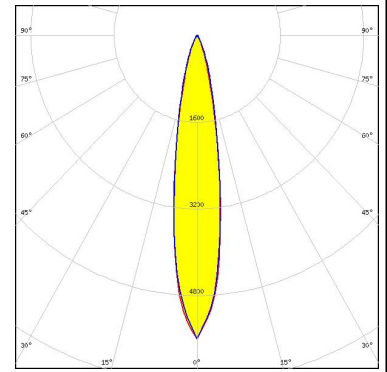


#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Opto Semiconductors

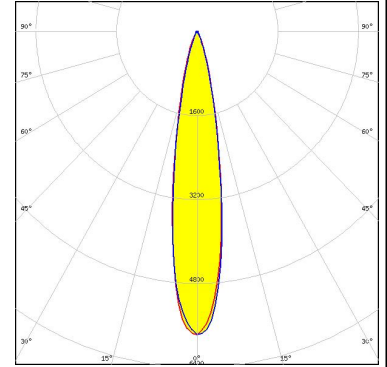
LED OSCONIQ P 3737 (2W version)  
 FWHM / FWTM 18.0° / 39.0°  
 Efficiency 94 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

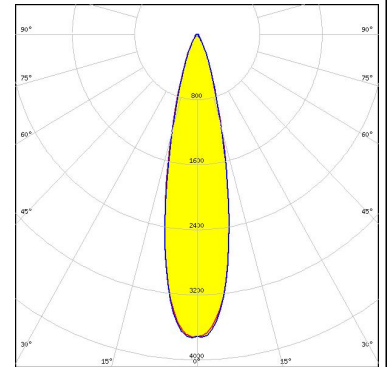
Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3  
 FWHM / FWTM 19.0° / 38.0°  
 Efficiency 94 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



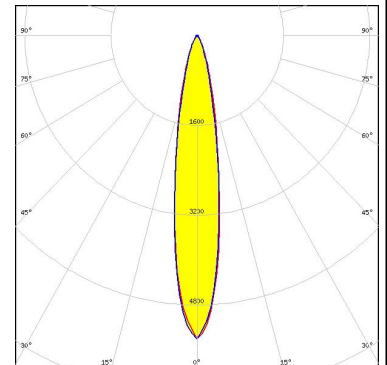
#### SAMSUNG

LED LH351B  
 FWHM / FWTM 24.0° / 47.0°  
 Efficiency 94 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED MJT 3030  
 FWHM / FWTM 18.0° / 41.0°  
 Efficiency 96 %  
 Peak intensity 5.4 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:

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