

VERONICA-SQ-MINI-D

~15° diffused spot beam

SPECIFICATION:

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

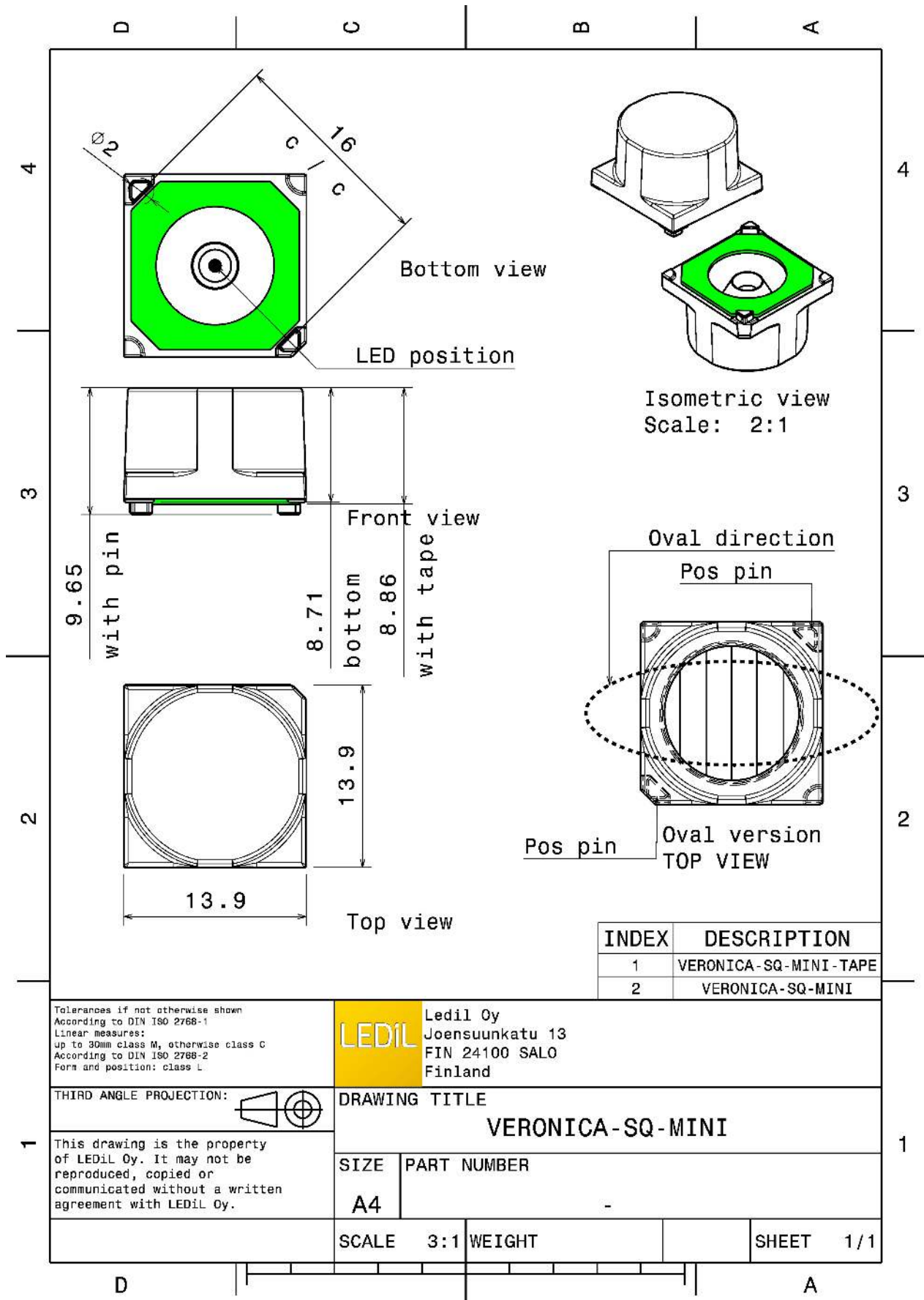
MATERIALS:

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




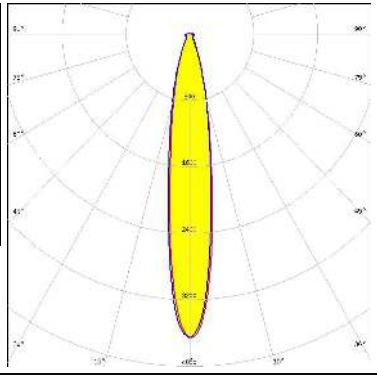

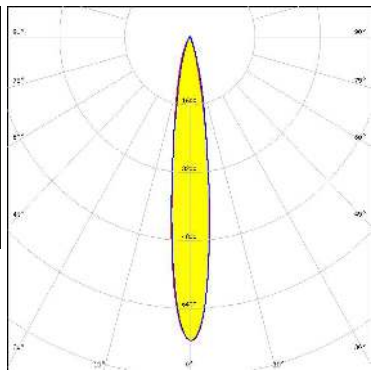

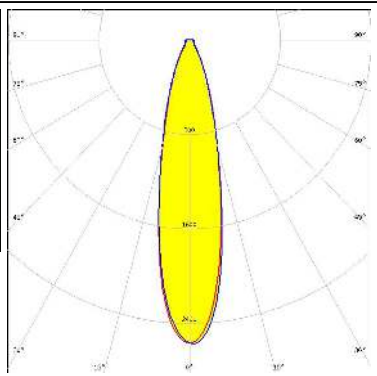

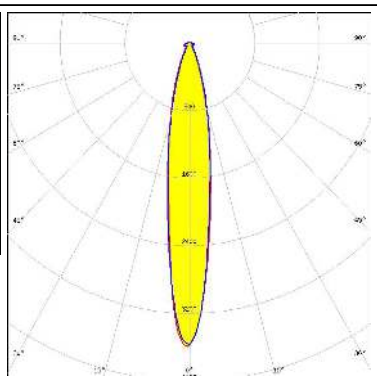
ORDERING INFORMATION:

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



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

OPTICAL RESULTS (MEASURED):

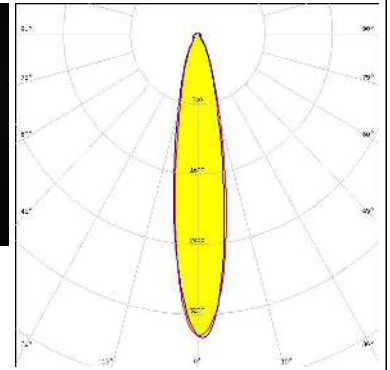
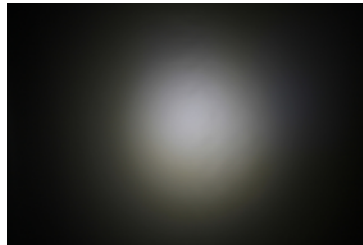
<p>CREE → LED</p> <p>LED XD16 FWHM / FWTM 17.0° / 42.0° Efficiency 90 % Peak intensity 3.7 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XP-E2 FWHM / FWTM 15.0° / 33.0° Efficiency 92 % Peak intensity 7.2 cd/m LEDs/each optic 1 Light colour White Required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

OPTICAL RESULTS (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:

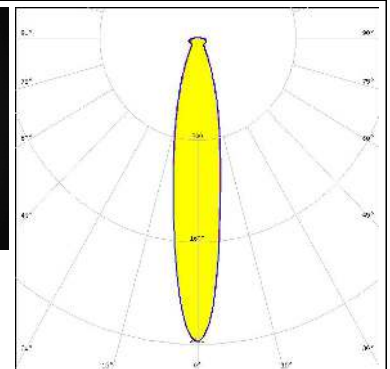
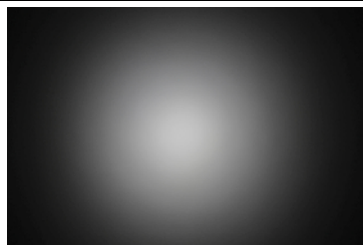
OSRAM

Opto Semiconductors

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

SAMSUNG

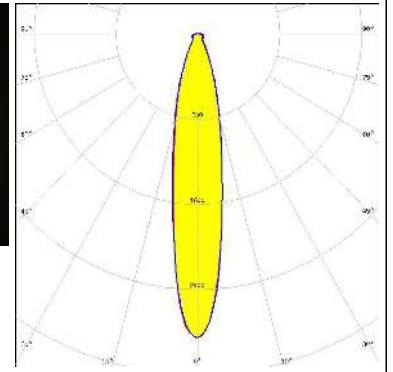
LED LH181A
FWHM / FWTM 19.0° / 51.0°
Efficiency 88 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

SAMSUNG

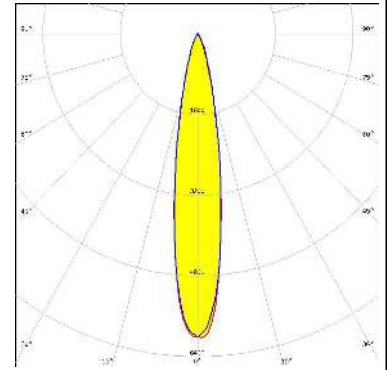
LED LH181B
FWHM / FWTM 19.0° / 50.0°
Efficiency 90 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

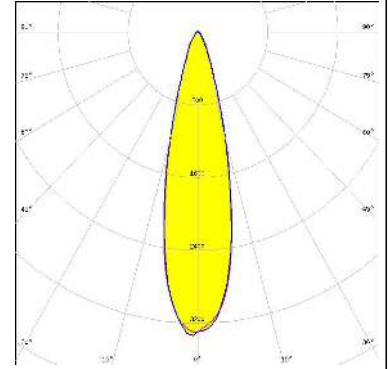
CREE LED

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:



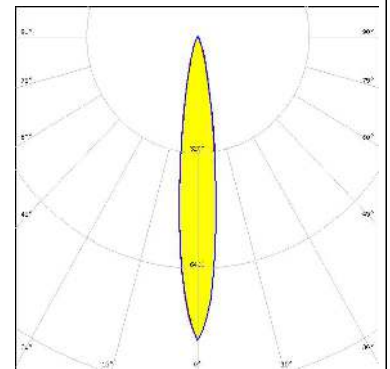
CREE LED

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:



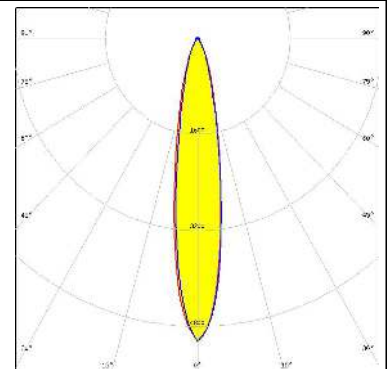
LUMILEDS

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:

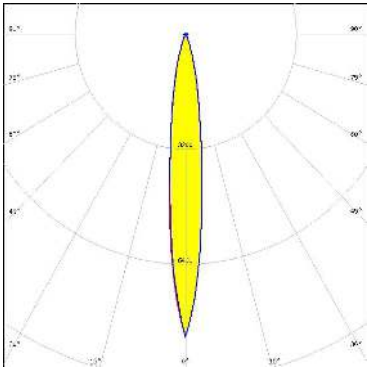
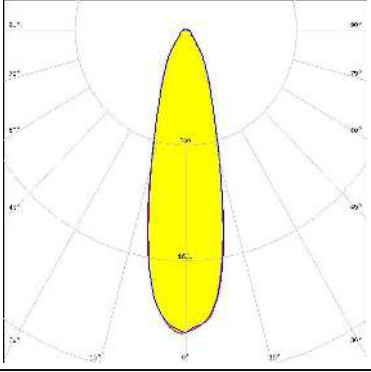
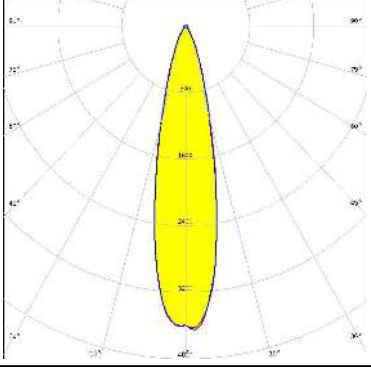
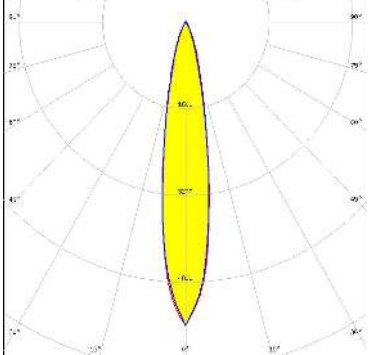


LUMILEDS

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:



OPTICAL RESULTS (SIMULATED):

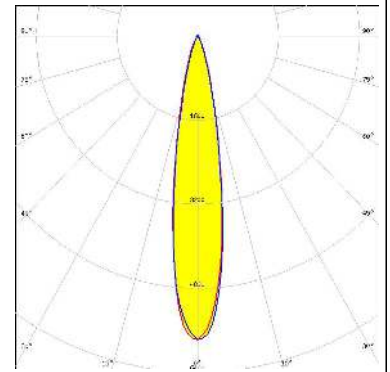
<p>LUMILEDS</p> <p>LED LUXEON HL1Z FWHM / FWTM 12.0° / 32.0° Efficiency 96 % Peak intensity 8.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NV4WB35AM FWHM / FWTM 28.0° / 68.0° Efficiency 95 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 24.0° / 48.0° Efficiency 94 % Peak intensity 3.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>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:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

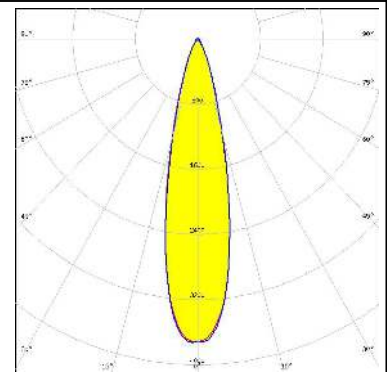
Opto Semiconductors

LED OSLON 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:



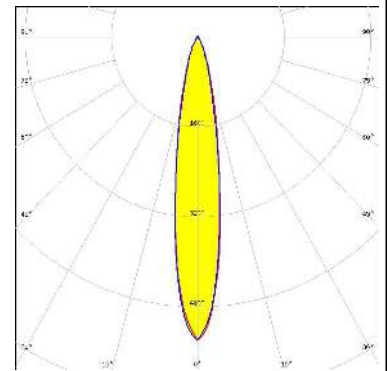
SAMSUNG

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:



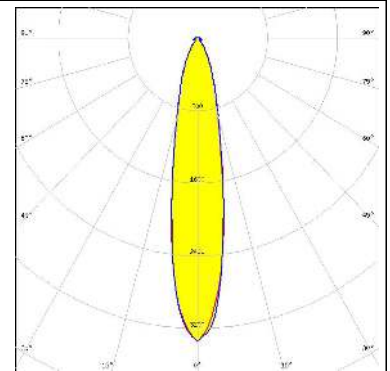
SECOIL SEMICONDUCTOR

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:



SECOIL SEMICONDUCTOR

LED Z8Y22T
 FWHM / FWTM 20.0° / 52.0°
 Efficiency 94 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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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