VERONICA-SQ-MINI-M

~35° medium 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-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

D C B A

4

∅2

16

Bottom view

LED position

Isometric view
Scale: 2:1

3

9.65 with pin

8.71 bottom

8.86 with tape

Front view

Oval direction
Pos pin

2

13.9

13.9

Top view

Pos pin

Oval version
TOP VIEW
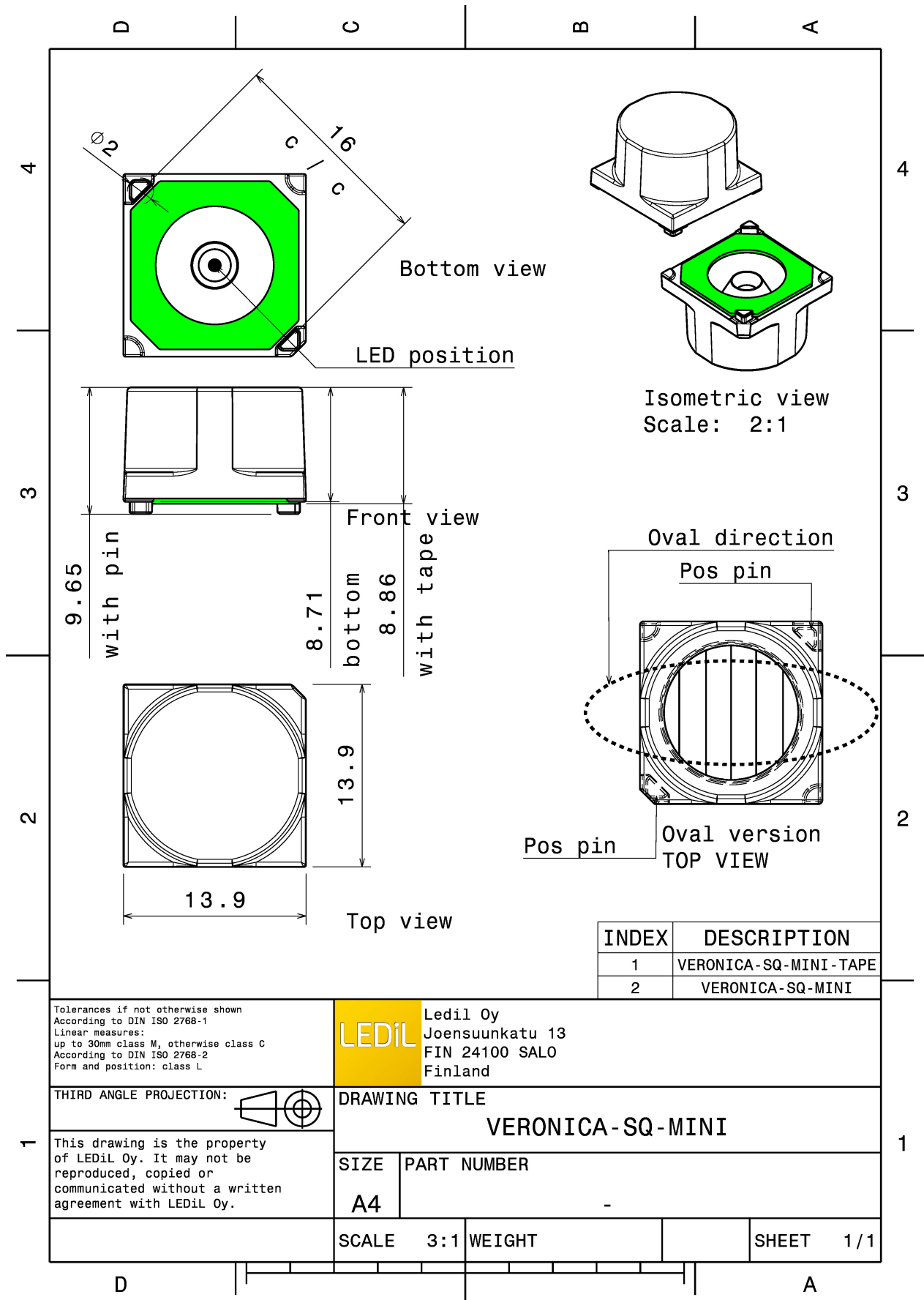
INDEX	DESCRIPTION
1	VERONICA-SQ-MINI-TAPE
2	VERONICA-SQ-MINI

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 Oy
Joensuunkatu 13
FIN 24100 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
VERONICA-SQ-MINI

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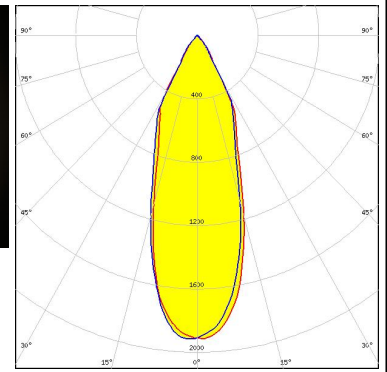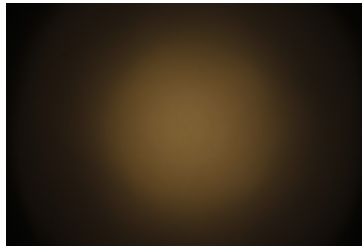
SIZE	PART NUMBER
A4	-

| SCALE 3:1 | WEIGHT | | SHEET 1/1 |

D A

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

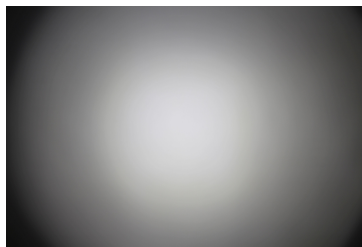## OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-G2
FWHM / FWTM	34.0° / 65.0°
Efficiency	89 %
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

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:	

SAMSUNG
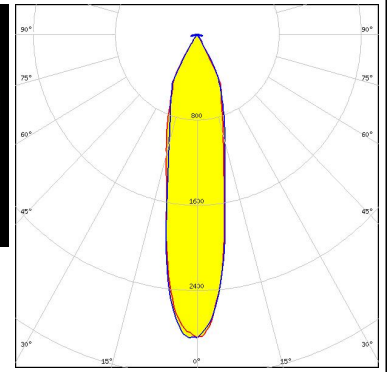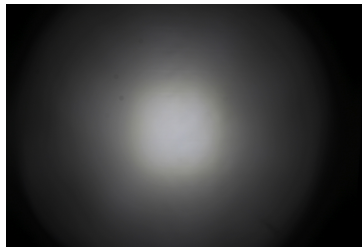
LED	LH181A
FWHM / FWTM	27.0° / 61.0°
Efficiency	88 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SAMSUNG
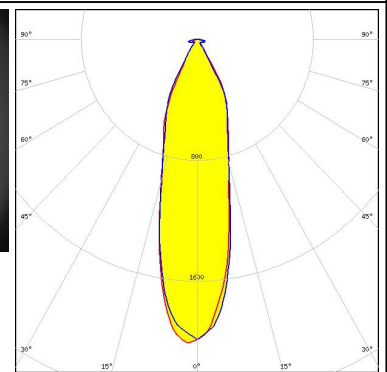
LED	LH181B
FWHM / FWTM	29.0° / 61.0°
Efficiency	93 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

LED	Z8Y22P
FWHM / FWTM	34.0° / 65.0°
Efficiency	93 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

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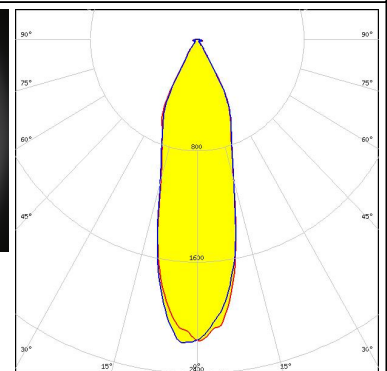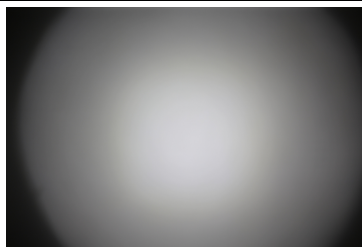
LED	XP-E2
FWHM / FWTM	33.0° / 73.0°
Efficiency	96 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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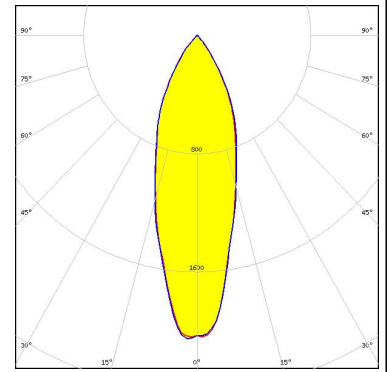
LED	XP-G3
FWHM / FWTM	44.0° / 75.0°
Efficiency	96 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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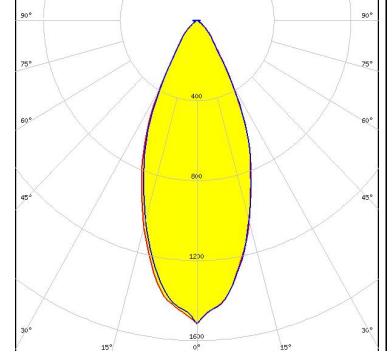
LED	XQ-E HI
FWHM / FWTM	23.0° / 64.0°
Efficiency	96 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
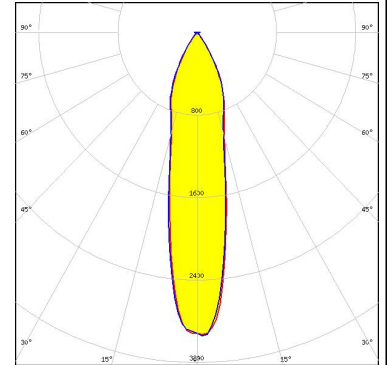
LUMILEDS

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:	
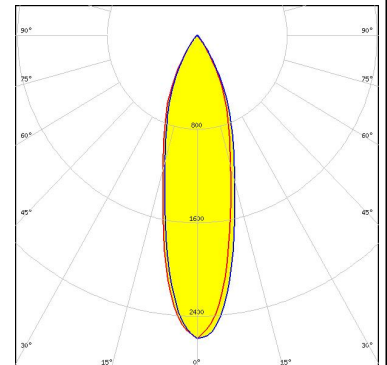
OPTICAL RESULTS (SIMULATED):

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:	
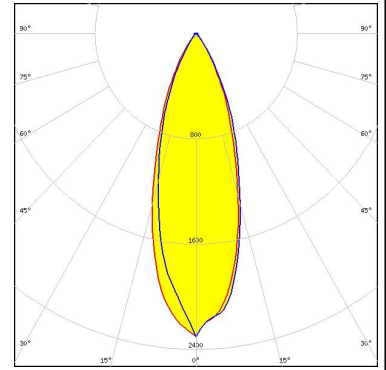
LUMILEDS

LED	LUXEON HL1Z
FWHM / FWTM	24.0° / 58.0°
Efficiency	95 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
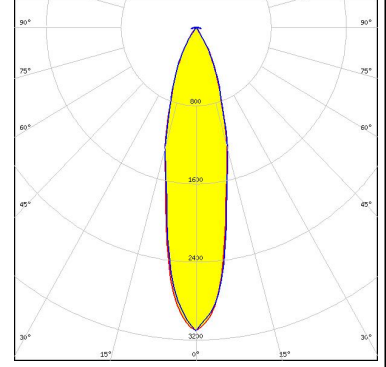
LUMILEDS

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:	
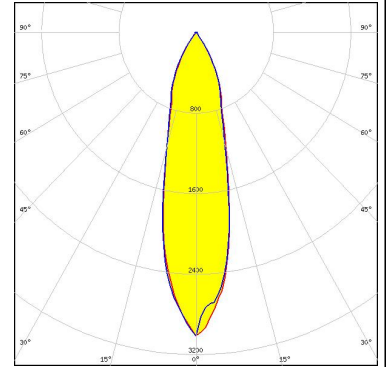
NICHIA

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:	
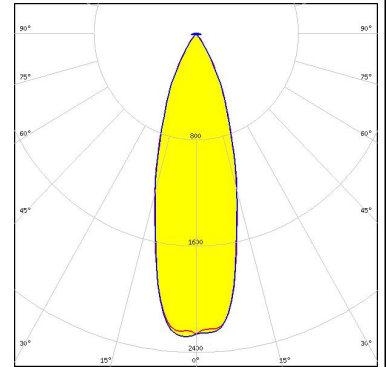
OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors

LED	OSLON 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:	
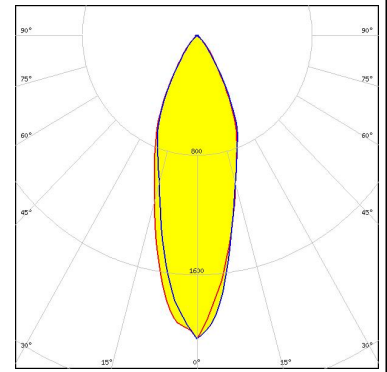
OSRAM Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	28.0° / 68.0°
Efficiency	94 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
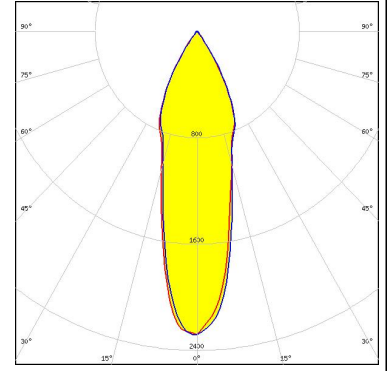
SEOUL SEMICONDUCTOR

LED	MJT 3030
FWHM / FWTM	33.0° / 66.0°
Efficiency	96 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
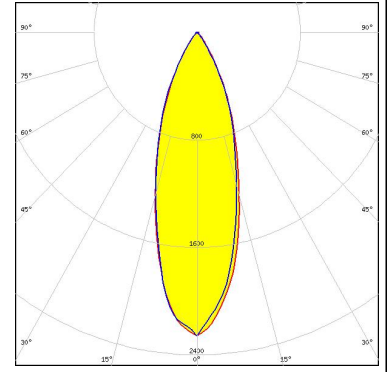
SEOUL SEMICONDUCTOR

LED	Z8Y22T
FWHM / FWTM	38.0° / 66.0°
Efficiency	94 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	