VERONICA-SQ-MINI-RS

~17° 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-RS	Single lens	PMMA	clear	
VERONICA-SQ-MINI-TAPE	Tape	Acrylic foam	clear	

ORDERING INFORMATION:
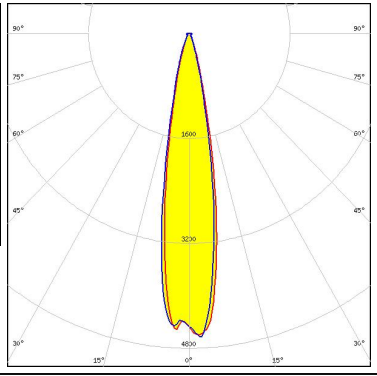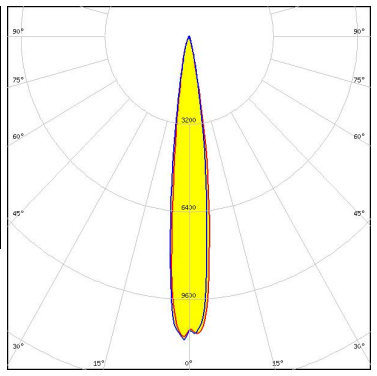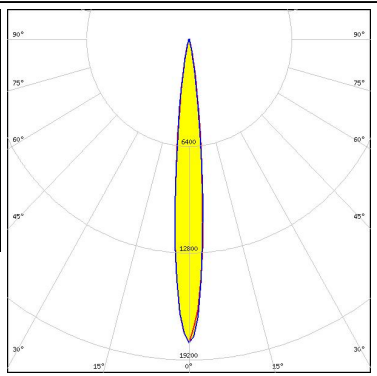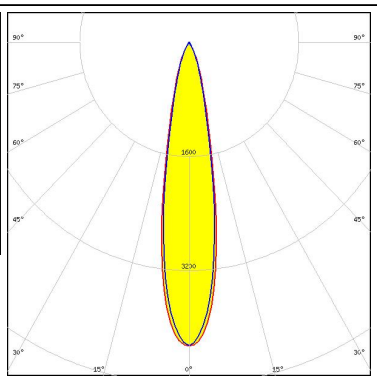
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14601_VERONICA-SQ-MINI-RS	Single lens	5544	252	252	7.9
» Box size: 480 x 280 x 300 mm					

D   C   B   A

⌀2

16

Bottom view

LED position

Isometric view
Scale: 2:1

9.65 with pin

8.71 bottom

8.86 with tape

Front view

13.9

13.9

Top view

Oval direction
Pos pin

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

THIRD ANGLE PROJECTION:

This drawing is the property
of LEDiL Oy. It may not be
reproduced, copied or
communicated without a written
agreement with LEDiL Oy.

LEDiL Ledil Oy
Joensuunkatu 13
FIN 24100 SALO
Finland

DRAWING TITLE
VERONICA-SQ-MINI

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	XD16
FWHM / FWTM	19.0° / 36.0°
Efficiency	92 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XP-E2
FWHM / FWTM	14.0° / 26.0°
Efficiency	92 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XQ-E HI
FWHM / FWTM	9.4° / 24.0°
Efficiency	90 %
Peak intensity	14.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	21.0° / 43.0°
Efficiency	83 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON TX
FWHM / FWTM	20.0° / 44.0°
Efficiency	92 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
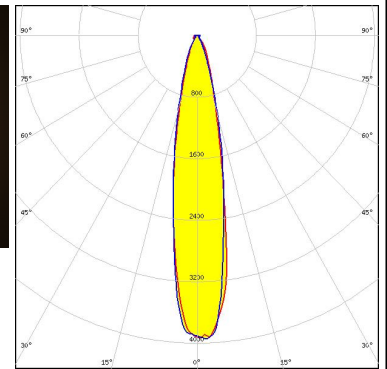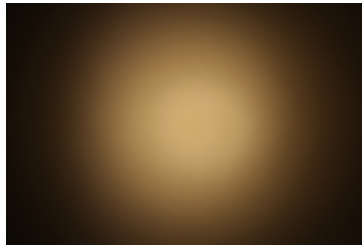
NICHIA

LED	NCSxE17A
FWHM / FWTM	11.0° / 32.0°
Efficiency	92 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
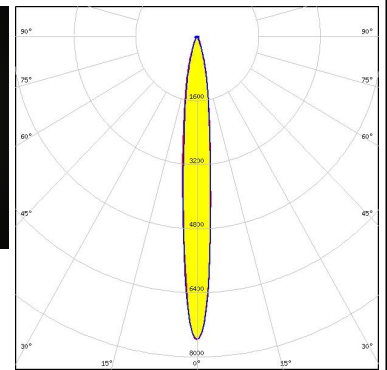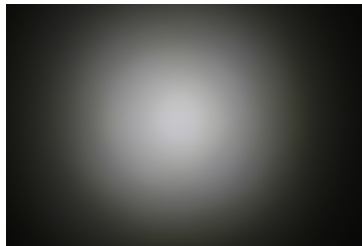
NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	21.0° / 45.0°
Efficiency	93 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
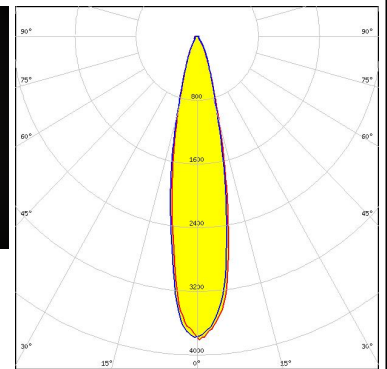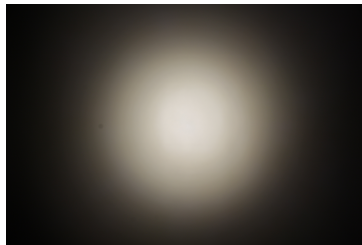
OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	18.0° / 37.0°
Efficiency	91 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
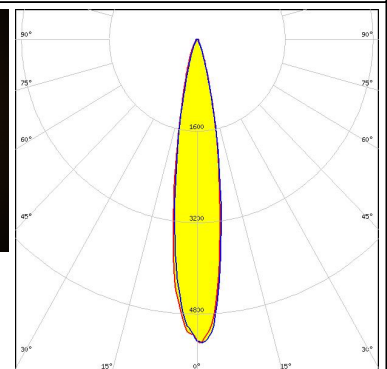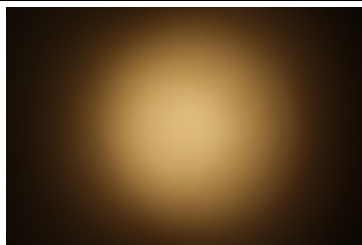
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	13.0° / 25.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

OSRAM
Opto Semiconductors

LED	SFH 4180S
FWHM / FWTM	11.0° / 22.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

SAMSUNG

LED	LH181A
FWHM / FWTM	21.0° / 44.0°
Efficiency	86 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
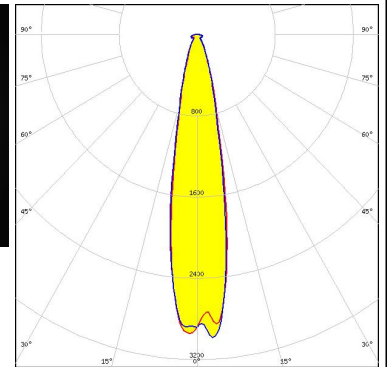
SAMSUNG

LED	LH181B
FWHM / FWTM	22.0° / 45.0°
Efficiency	94 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

LED	Z8Y22P
FWHM / FWTM	21.0° / 49.0°
Efficiency	92 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

CREE LEDs
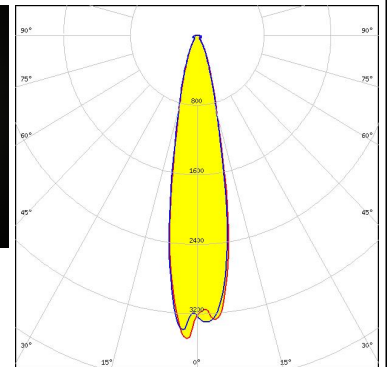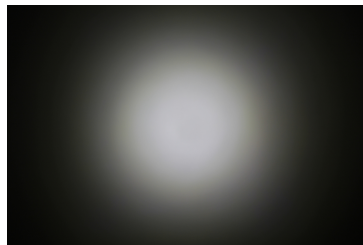
LED	XP-E
FWHM / FWTM	15.0° / 29.0°
Efficiency	92 %
Peak intensity	10.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
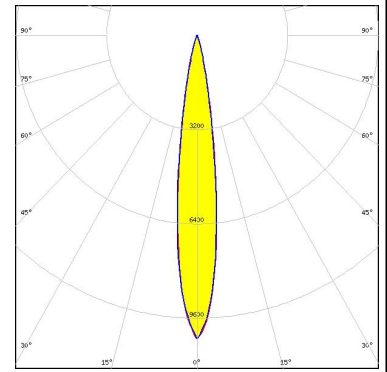
LED	XP-G
FWHM / FWTM	21.0° / 40.0°
Efficiency	91 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
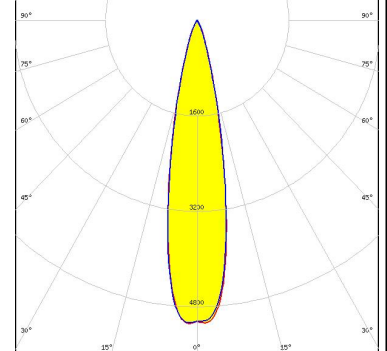
LED	XP-G2
FWHM / FWTM	20.0° / 38.0°
Efficiency	93 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
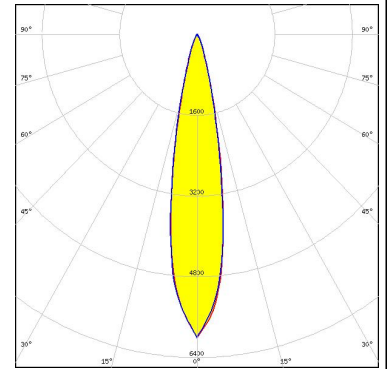
LED	XP-G2 HE
FWHM / FWTM	24.0° / 47.0°
Efficiency	97 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

CREE LEDs
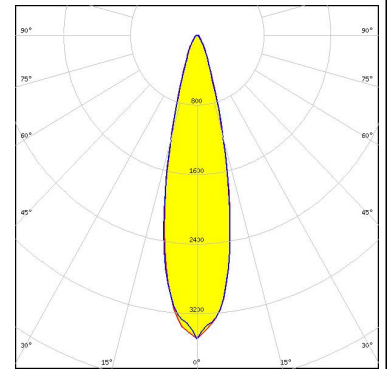
LED	XQ-E HD
FWHM / FWTM	13.0° / 28.0°
Efficiency	89 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
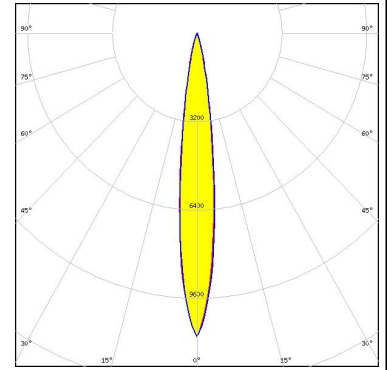
LED	LUXEON 2835 Line
FWHM / FWTM	12.0° / 29.0°
Efficiency	96 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour	PC Amber
Required components:	

LUMILEDS
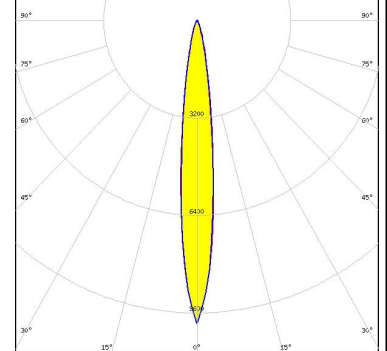
LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	16.0° / 40.0°
Efficiency	95 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
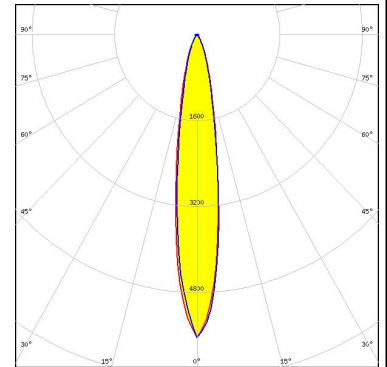
LUMILEDS

LED	LUXEON 3030 HV
FWHM / FWTM	17.0° / 41.0°
Efficiency	95 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
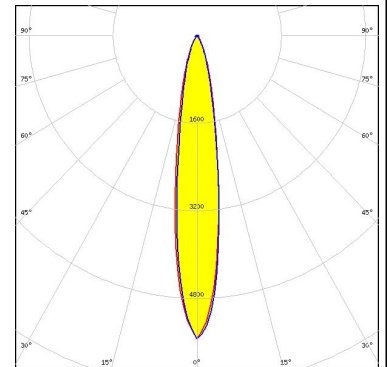
OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON A
FWHM / FWTM	21.0° / 42.0°
Efficiency	89 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
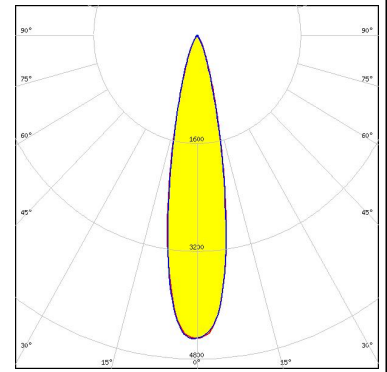
LUMILEDS

LED	LUXEON C
FWHM / FWTM	15.0° / 31.0°
Efficiency	94 %
Peak intensity	9.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
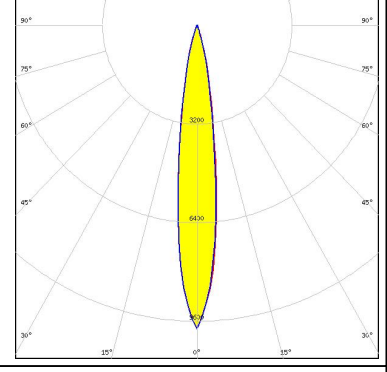
LUMILEDS

LED	LUXEON HL1Z
FWHM / FWTM	12.0° / 30.0°
Efficiency	96 %
Peak intensity	10.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
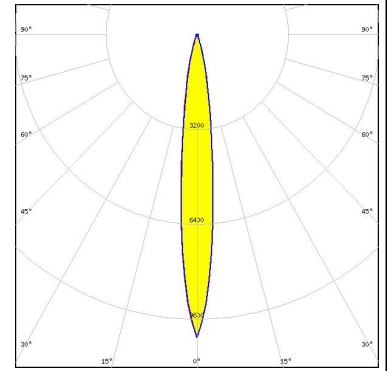
LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	16.0° / 34.0°
Efficiency	87 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
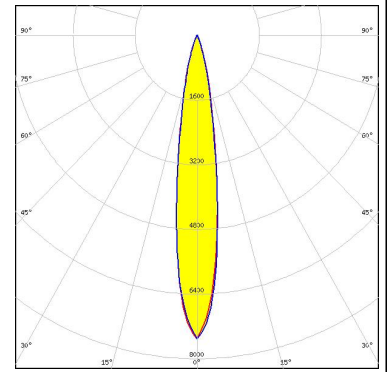
OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON T
FWHM / FWTM	22.0° / 42.0°
Efficiency	96 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
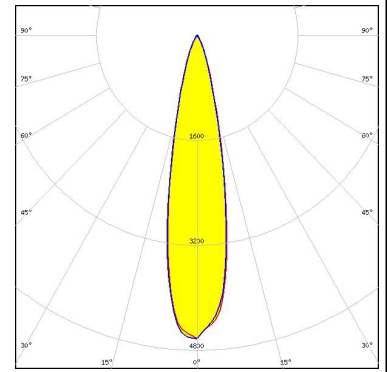
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	14.0° / 31.0°
Efficiency	89 %
Peak intensity	9.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
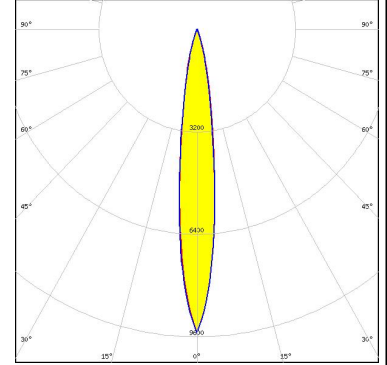
NICHIA

LED	NF2x757G
FWHM / FWTM	19.0° / 40.0°
Efficiency	97 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
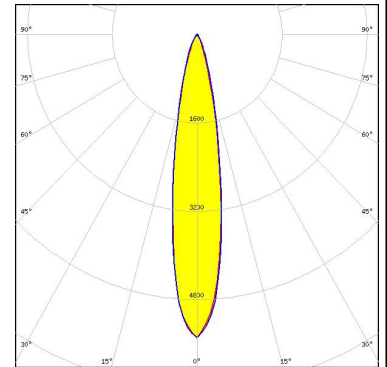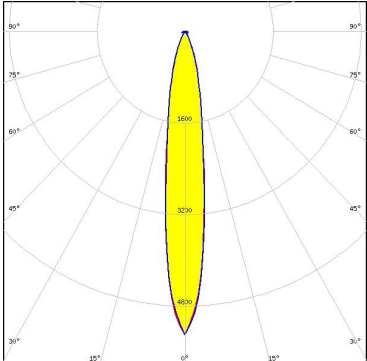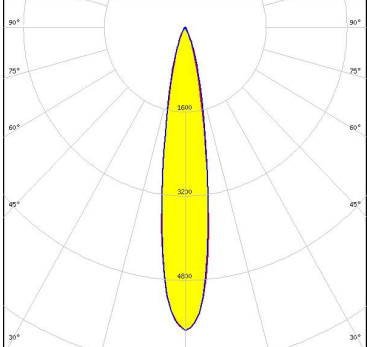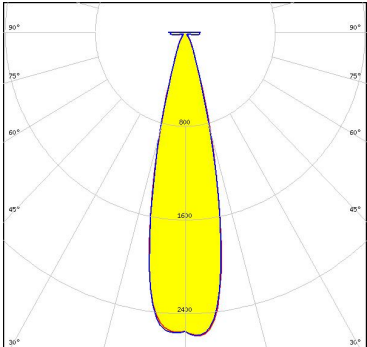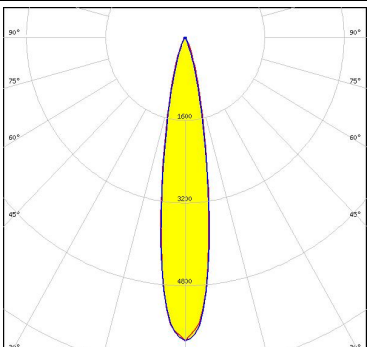
NICHIA

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:	

OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NVSxE21A
FWHM / FWTM	15.0° / 41.0°
Efficiency	94 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	18.0° / 39.0°
Efficiency	94 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	25.0° / 43.0°
Efficiency	89 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	18.0° / 39.0°
Efficiency	92 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	14.0° / 28.0°
Efficiency	89 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
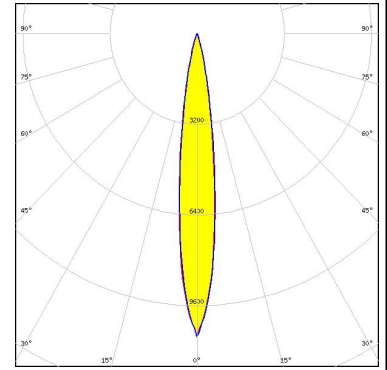
OSRAM Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	14.0° / 29.0°
Efficiency	90 %
Peak intensity	10.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
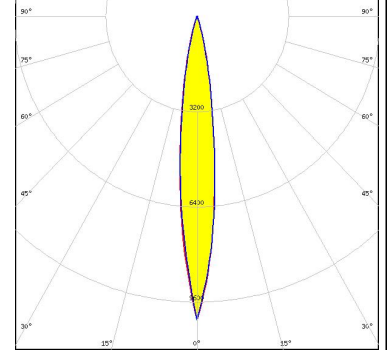
SAMSUNG

LED	LH351B
FWHM / FWTM	24.0° / 46.0°
Efficiency	94 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
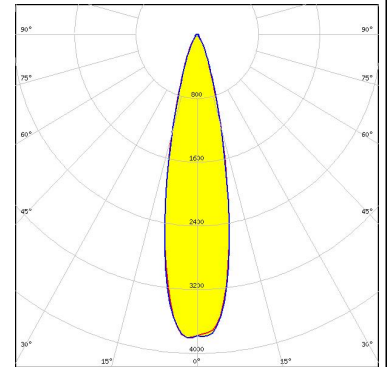
SAMSUNG

LED	LH351Z
FWHM / FWTM	19.0° / 36.0°
Efficiency	92 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR	
LED	MJT 3030
FWHM / FWTM	16.0° / 38.0°
Efficiency	96 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR	
LED	Z8Y22T
FWHM / FWTM	19.0° / 50.0°
Efficiency	94 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	