VERONICA-SQ-MINI-RS

~17° 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-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					

Ø2

16

Bottom view

LED position

Isometric view
Scale: 2:1

Front view

9.65 with pin

8.71 bottom

8.86 with tape

Oval direction
Pos pin

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

Ledil Oy
Joensuunkatu 13
FIN 24100 SALO
Finland

THIRD ANGLE PROJECTION:

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DRAWING TITLE

VERONICA-SQ-MINI

SIZE	PART NUMBER
A4	-

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

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

PHOTOMETRIC DATA (MEASURED):

CREE⇌LED

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:	
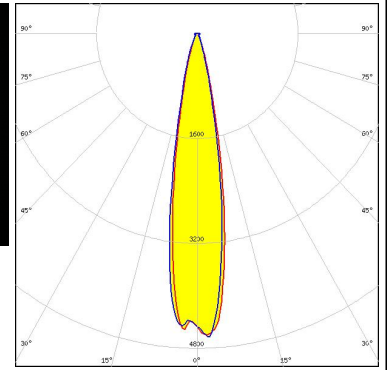
CREE⇌LED

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:	
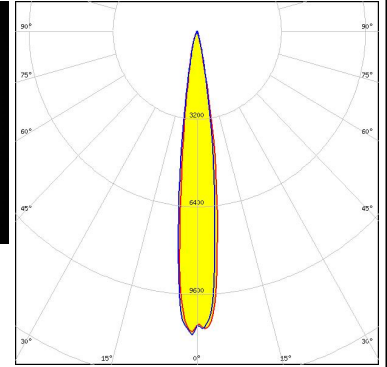
CREE⇌LED

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:	
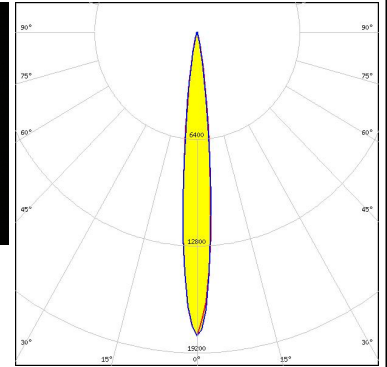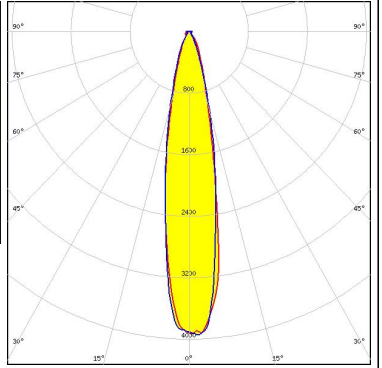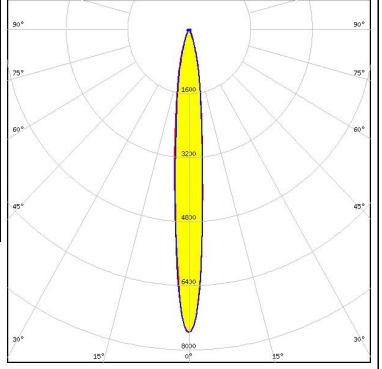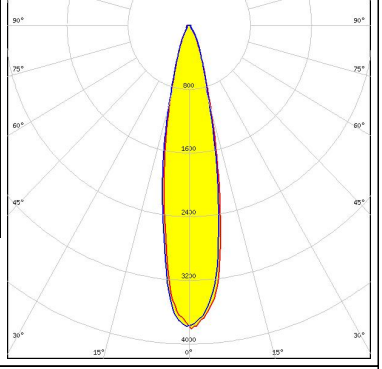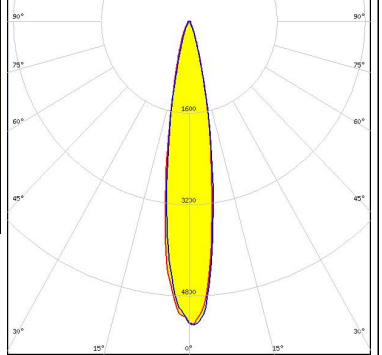
LUMILEDS

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:	

PHOTOMETRIC DATA (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:	

PHOTOMETRIC DATA (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:	
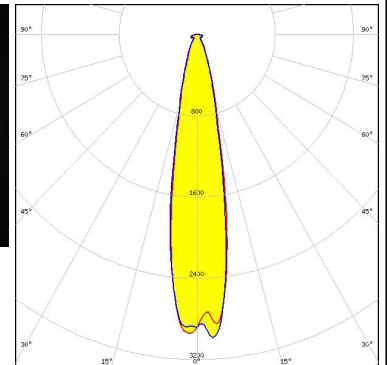
SAMSUNG

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:	

PHOTOMETRIC DATA (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:	
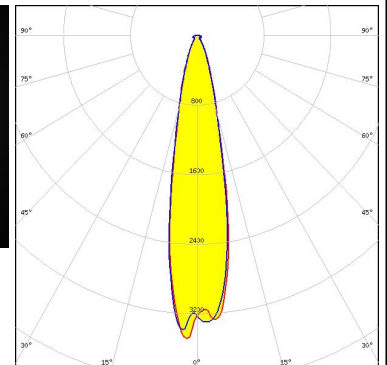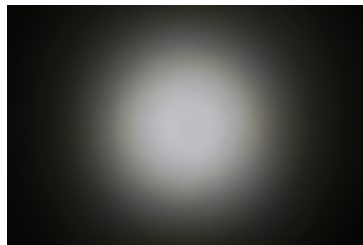
PHOTOMETRIC DATA (SIMULATED):

CREE LED

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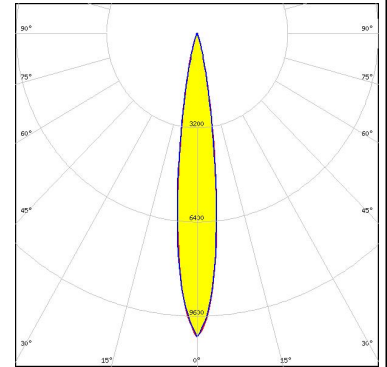
LED	XP-G
FWHM / FWTM	21.0° / 40.0°
Efficiency	91 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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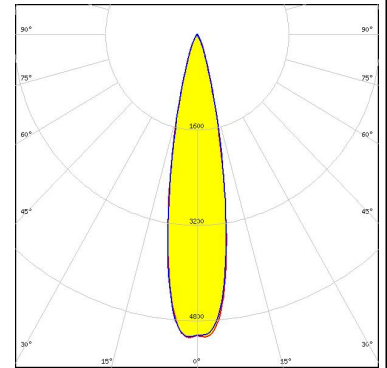
LED	XP-G2
FWHM / FWTM	20.0° / 38.0°
Efficiency	93 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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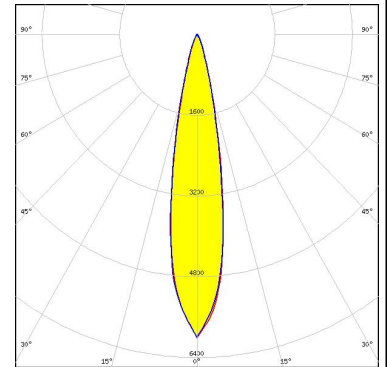
LED	XP-G2 HE
FWHM / FWTM	24.0° / 47.0°
Efficiency	97 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
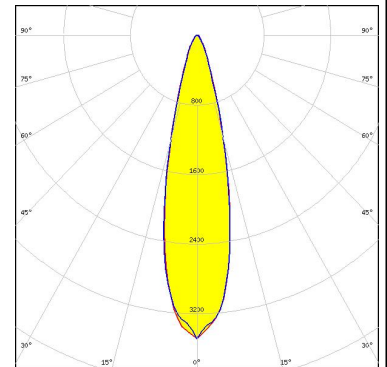
PHOTOMETRIC DATA (SIMULATED):

CREE⇌LED

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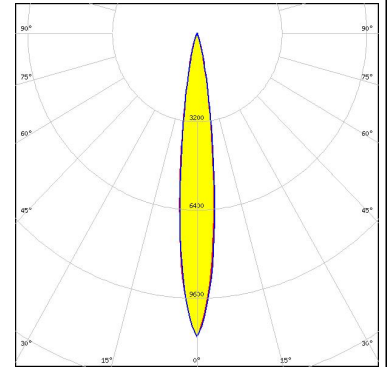
LED	LUXEON 2835 Line
FWHM / FWTM	12.0° / 29.0°
Efficiency	96 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour	PC Amber
Required components:	

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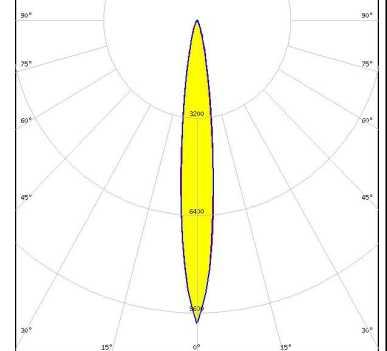
LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	16.0° / 40.0°
Efficiency	95 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
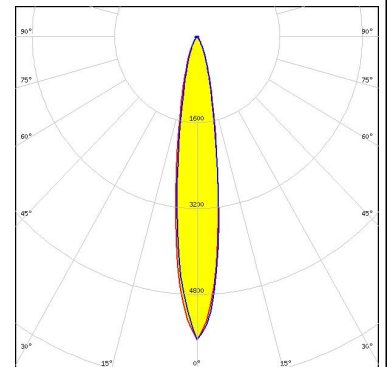
LUMILEDS

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:	
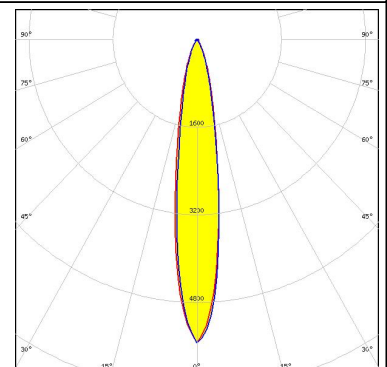
PHOTOMETRIC DATA (SIMULATED):

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:	
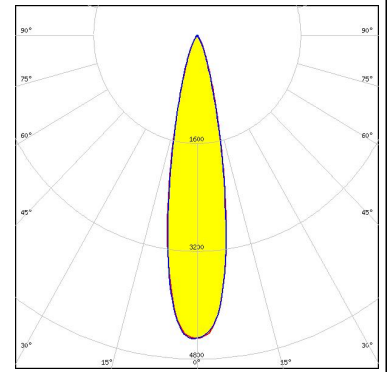
LUMILEDS

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:	
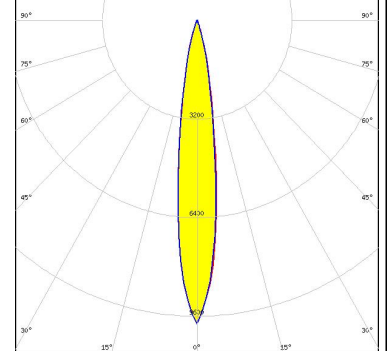
LUMILEDS

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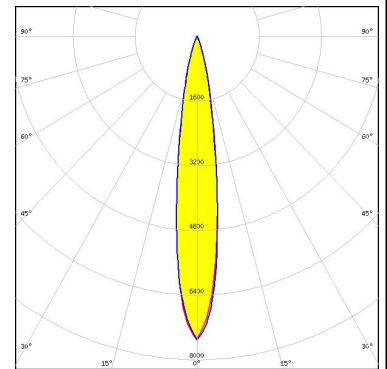
LUMILEDS

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:	

PHOTOMETRIC DATA (SIMULATED):

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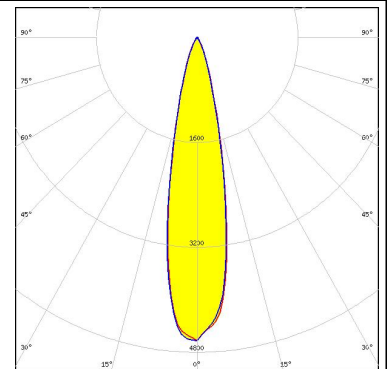
LED	LUXEON Z ES
FWHM / FWTM	14.0° / 31.0°
Efficiency	89 %
Peak intensity	9.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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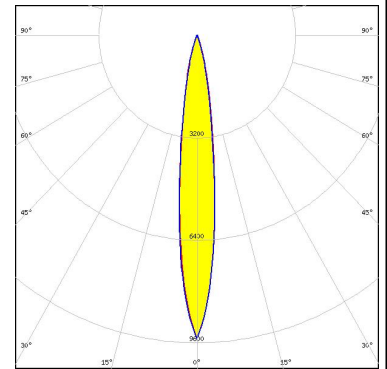
LED	NF2x757G
FWHM / FWTM	19.0° / 40.0°
Efficiency	97 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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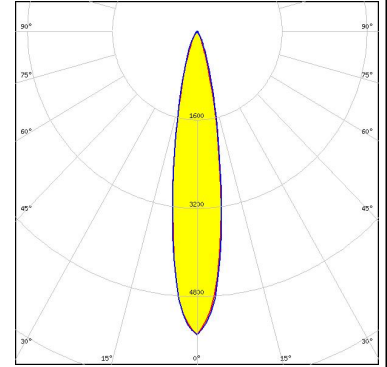
LED	NVSxE21A
FWHM / FWTM	15.0° / 41.0°
Efficiency	94 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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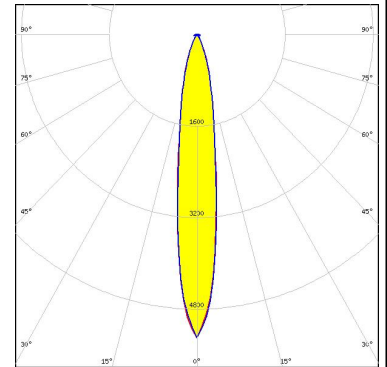
LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	18.0° / 39.0°
Efficiency	94 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
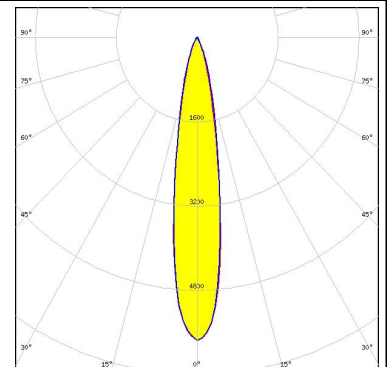
PHOTOMETRIC DATA (SIMULATED):

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:	
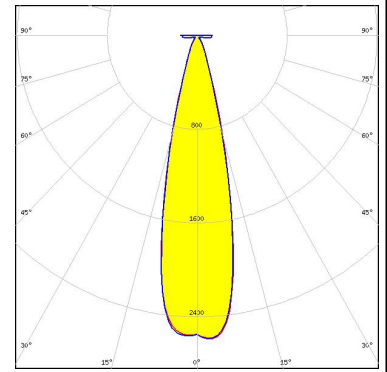
OSRAM Opto Semiconductors

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:	
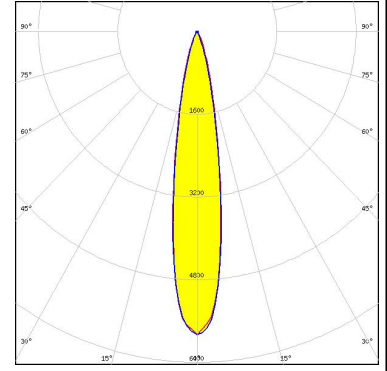
OSRAM Opto Semiconductors

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:	
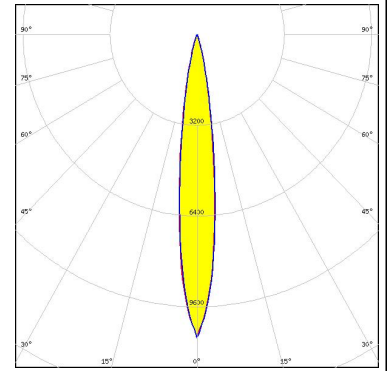
OSRAM Opto Semiconductors

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:	
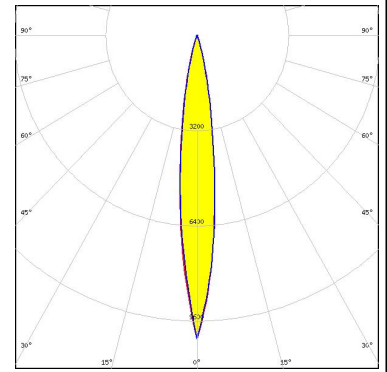
PHOTOMETRIC DATA (SIMULATED):

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:	
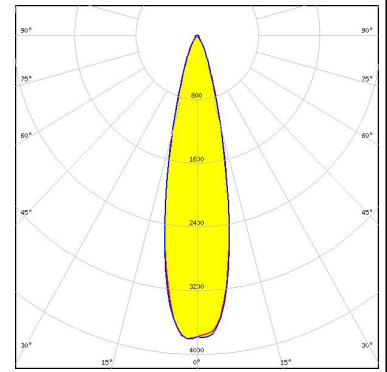
SAMSUNG

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:	
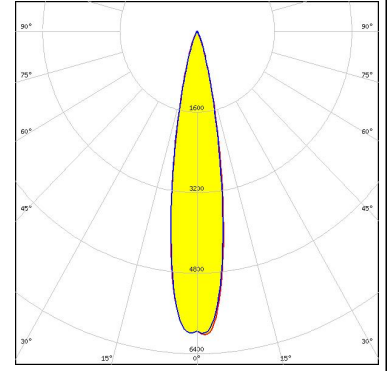
SEOUL SEMICONDUCTOR

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:	
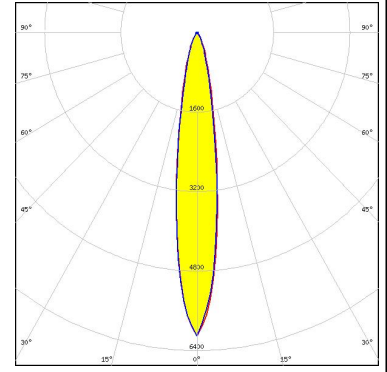
SEOUL SEMICONDUCTOR

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:	
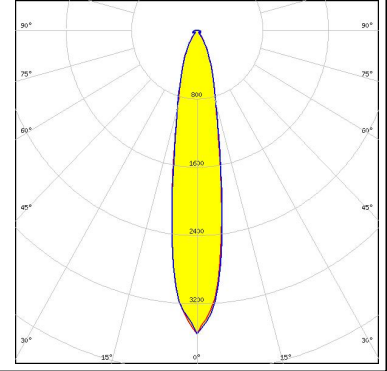
GENERAL INFORMATION:

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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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