VERONICA-RS

~12° spot beam

SPECIFICATION:

Dimensions	Ø 26.0
Height	12.2 mm
Fastening	glue, pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
VERONICA-RS	Single lens	PMMA	clear		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13528_VERONICA-RS » Box size: 480 x 280 x 300 mm	2240	336	112	11.1

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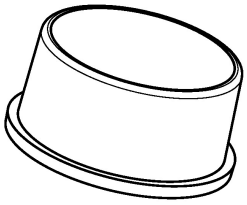
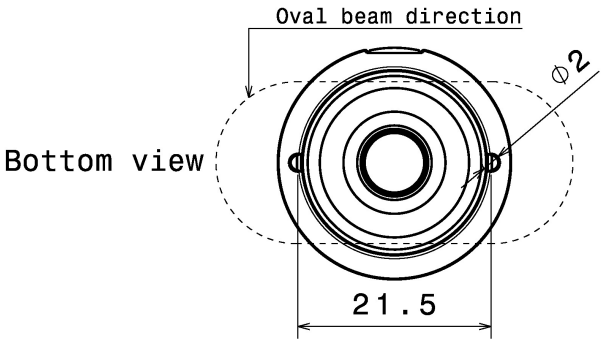
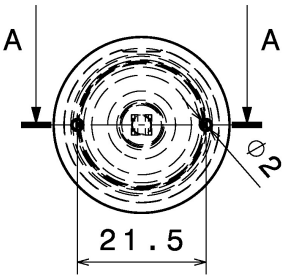
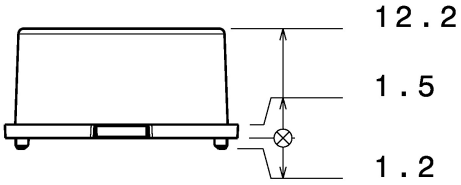


Isometric view

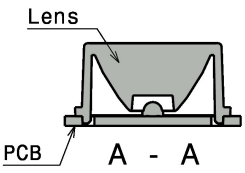


Bottom view

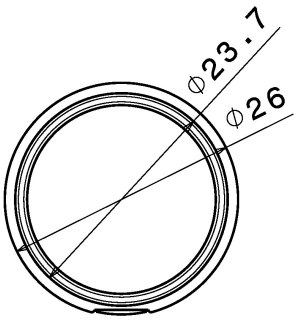




Front view



PCB suggestion



Top view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	VERONICA	PMMA	

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
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
VERONICA SERIES

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SIZE A4

PART NUMBER -

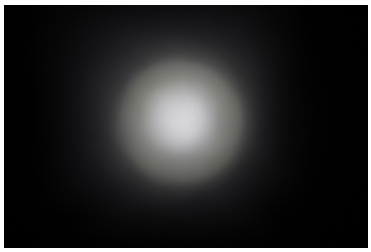
SCALE 1:1 WEIGHT SHEET 1/1

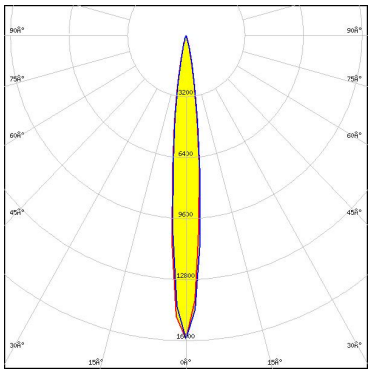
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XB-H
FWHM / FWTM	11.0° / 24.0°
Efficiency	89 %
Peak intensity	15.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

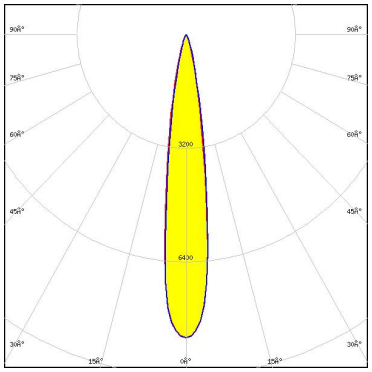




Light distribution files

CREE LEDs

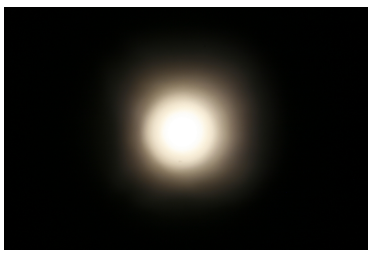
LED	XM-L2
FWHM / FWTM	16.0° / 32.0°
Efficiency	90 %
Peak intensity	8.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

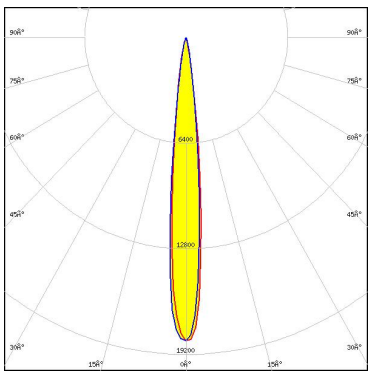


Light distribution files

CREE LEDs

LED	XP-G
FWHM / FWTM	12.0° / 22.0°
Efficiency	90 %
Peak intensity	18.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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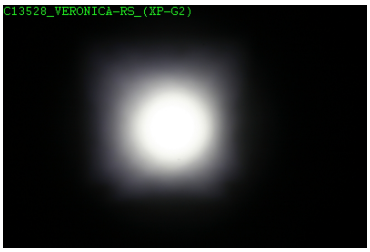
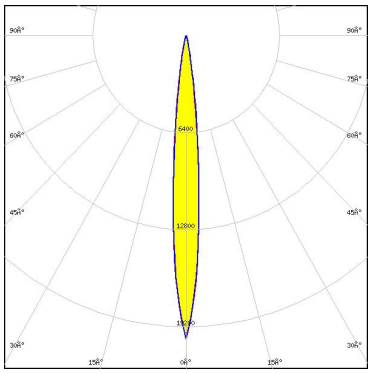
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-G2
FWHM / FWTM	10.0° / 21.0°
Efficiency	90 %
Peak intensity	19 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

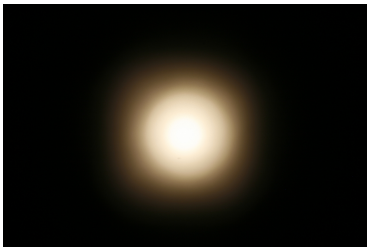


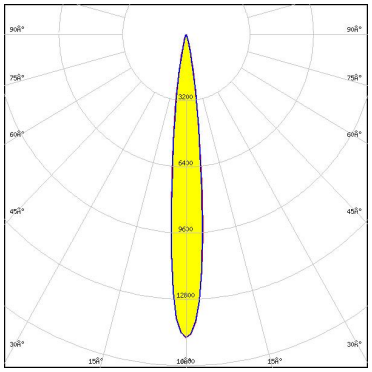


Light distribution files

LUMILEDS

LED	LUXEON A
FWHM / FWTM	13.0° / 25.0°
Efficiency	89 %
Peak intensity	14.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

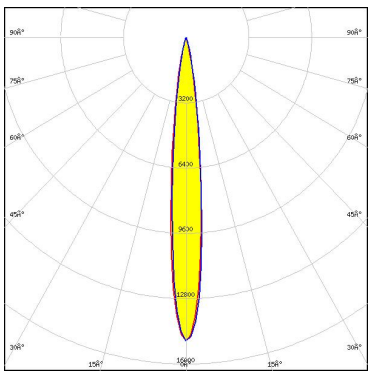




Light distribution files

LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	12.0° / 25.0°
Efficiency	88 %
Peak intensity	14.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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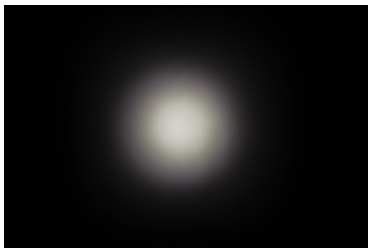
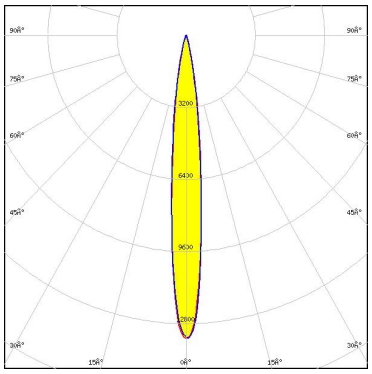
OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON V2
FWHM / FWTM	12.0° / 25.0°
Efficiency	94 %
Peak intensity	13.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

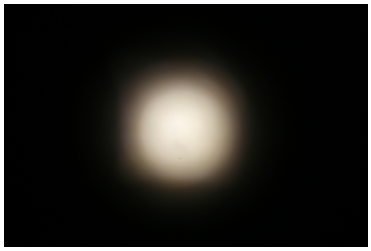


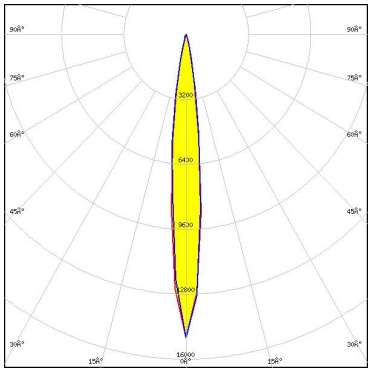


Light distribution files

NICHIA

LED	NCSxx19A
FWHM / FWTM	13.0° / 25.0°
Efficiency	86 %
Peak intensity	15 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

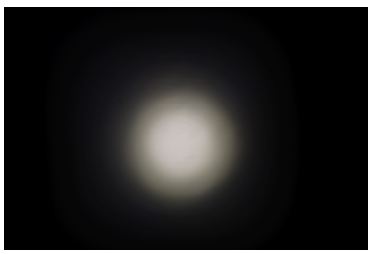


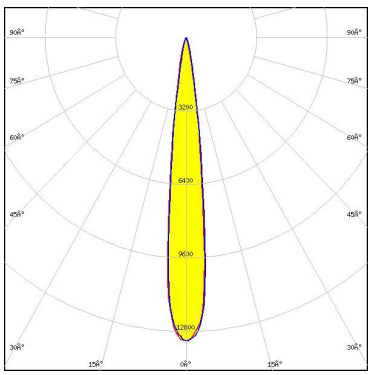


Light distribution files

NICHIA

LED	NVSW219F
FWHM / FWTM	13.0° / 24.0°
Efficiency	94 %
Peak intensity	13.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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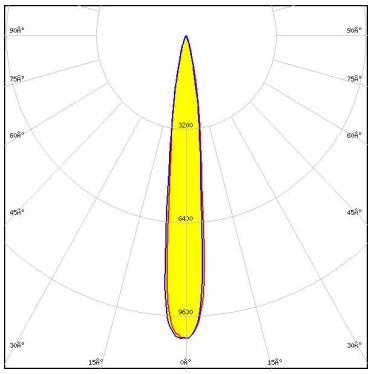
OPTICAL RESULTS (MEASURED):

NICHIA

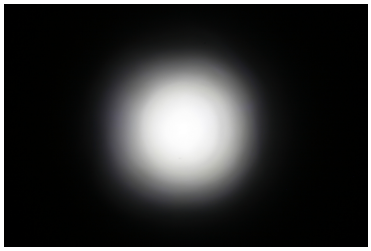
LED	NVSW3x9A
FWHM / FWTM	13.0° / 28.0°
Efficiency	89 %
Peak intensity	10.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

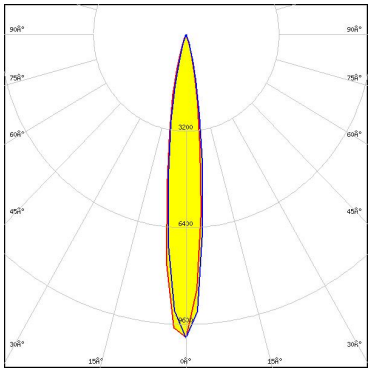


Light distribution files

NICHIA

LED	NVSxx19A
FWHM / FWTM	14.0° / 31.0°
Efficiency	85 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

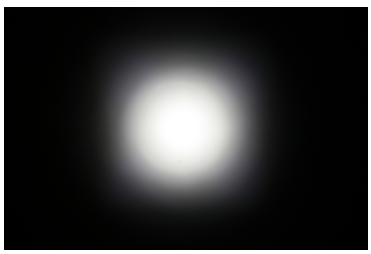


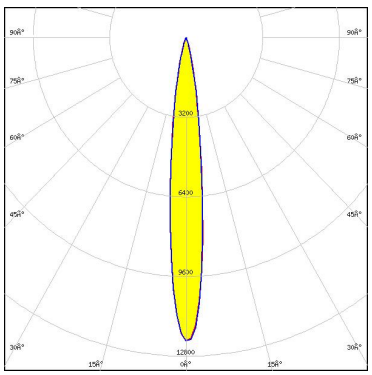


Light distribution files

NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	13.0° / 28.0°
Efficiency	87 %
Peak intensity	12.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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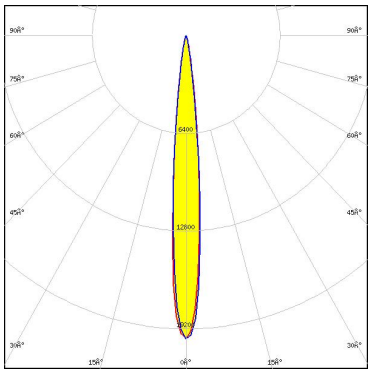
OPTICAL RESULTS (MEASURED):

SAMSUNG

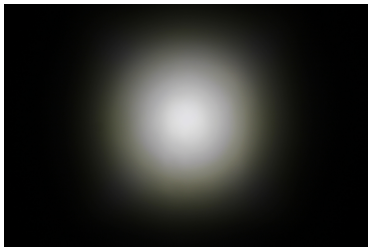
LED	LH351Z
FWHM / FWTM	11.0° / 21.0°
Efficiency	89 %
Peak intensity	19.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

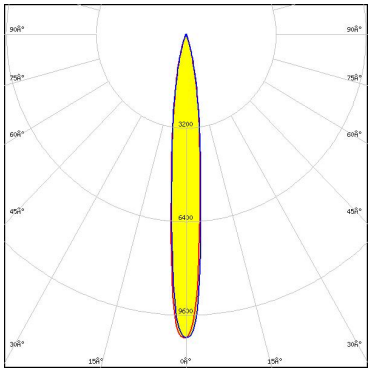


Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	11.0° / 29.0°
Efficiency	87 %
Peak intensity	10.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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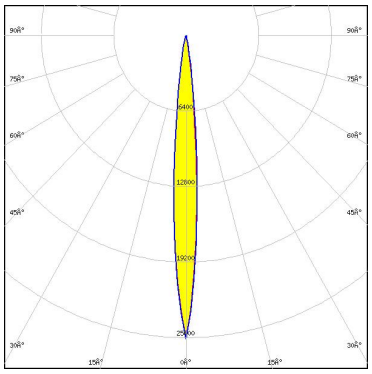
OPTICAL RESULTS (SIMULATED):

CREE LEDs

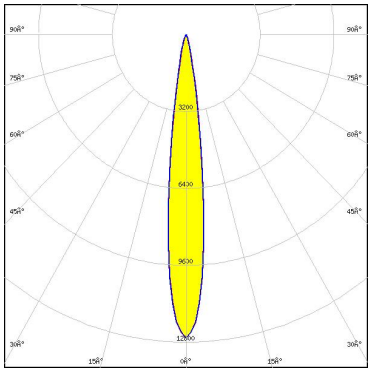
LED	XP-E2
FWHM / FWTM	9.0° / 19.0°
Efficiency	96 %
Peak intensity	25.7 cd/lm
LEDs/each optic	1
Light colour/type	Amber
Required components:	



Light distribution files

CREE LEDs

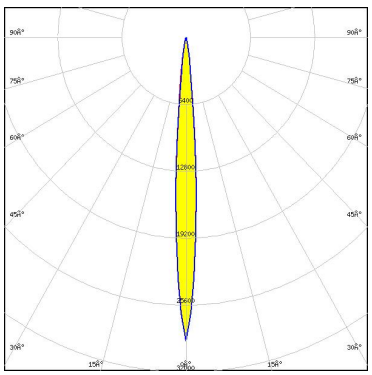
LED	XP-G2 HE
FWHM / FWTM	14.0° / 26.0°
Efficiency	97 %
Peak intensity	12.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G4 HI
FWHM / FWTM	8.0° / 16.0°
Efficiency	95 %
Peak intensity	29 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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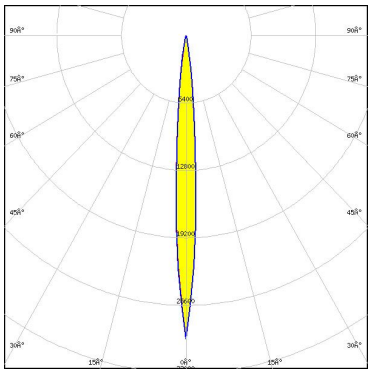
OPTICAL RESULTS (SIMULATED):

NICHIA

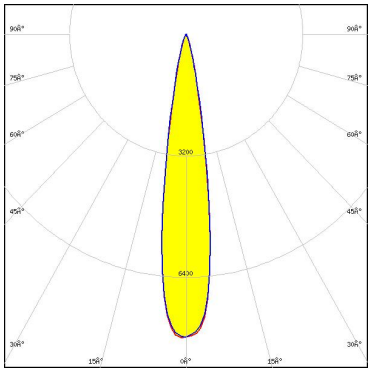
LED	NCSxE17A
FWHM / FWTM	8.0° / 18.0°
Efficiency	94 %
Peak intensity	28.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

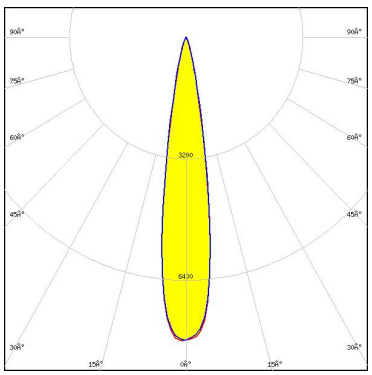
LED	NV4WB35AM
FWHM / FWTM	18.0° / 31.0°
Efficiency	97 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NV4WB35AM
FWHM / FWTM	18.0° / 31.0°
Efficiency	96 %
Peak intensity	8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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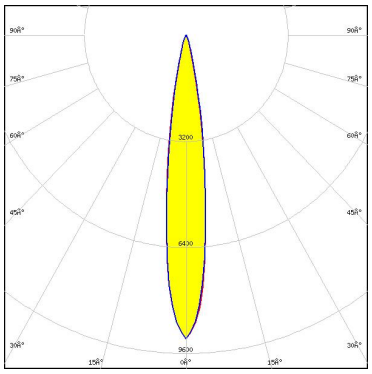
OPTICAL RESULTS (SIMULATED):

NICHIA

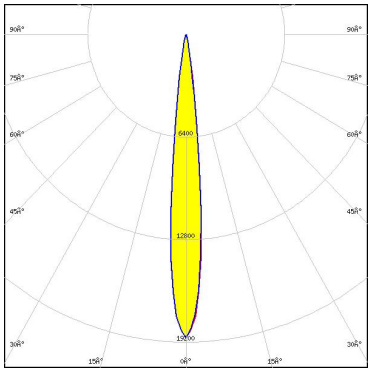
LED	NVSW519A
FWHM / FWTM	16.0 + 15.0° / 30.0 + 29.0°
Efficiency	95 %
Peak intensity	9.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

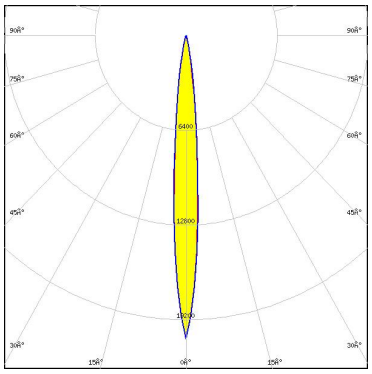
LED	NVSW719AC
FWHM / FWTM	12.0° / 20.0°
Efficiency	96 %
Peak intensity	18.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSxE21A
FWHM / FWTM	10.0° / 21.0°
Efficiency	95 %
Peak intensity	20.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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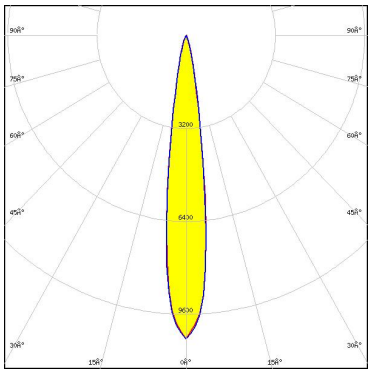
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

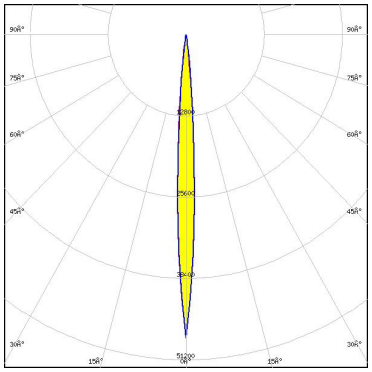
LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	15.0° / 28.0°
Efficiency	94 %
Peak intensity	10.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

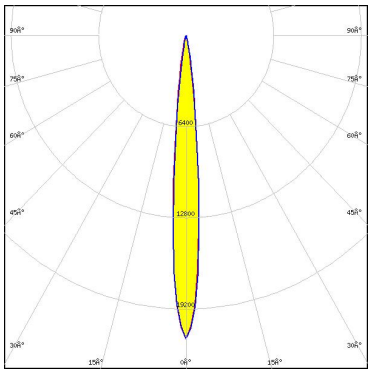
LED	OSLON Pure 1414
FWHM / FWTM	6.0° / 14.0°
Efficiency	96 %
Peak intensity	47.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	9.9° / 20.0°
Efficiency	94 %
Peak intensity	21.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

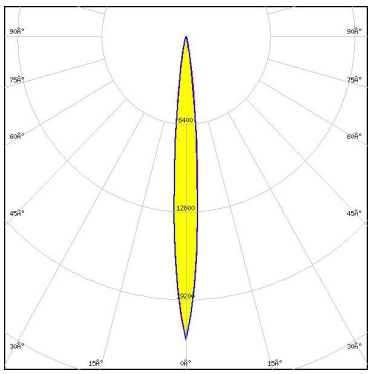
SAMSUNG

LED	LH351B
FWHM / FWTM	12.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

SEOUL SEMICONDUCTOR

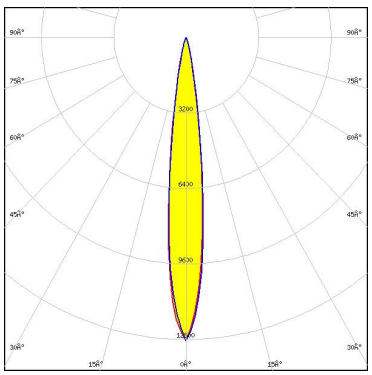
LED	MJT 3030
FWHM / FWTM	10.0° / 20.0°
Efficiency	96 %
Peak intensity	22.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	14.0° / 26.0°
Efficiency	96 %
Peak intensity	12.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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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