

## VERONICA-RS

~12° spot beam

### SPECIFICATION:

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

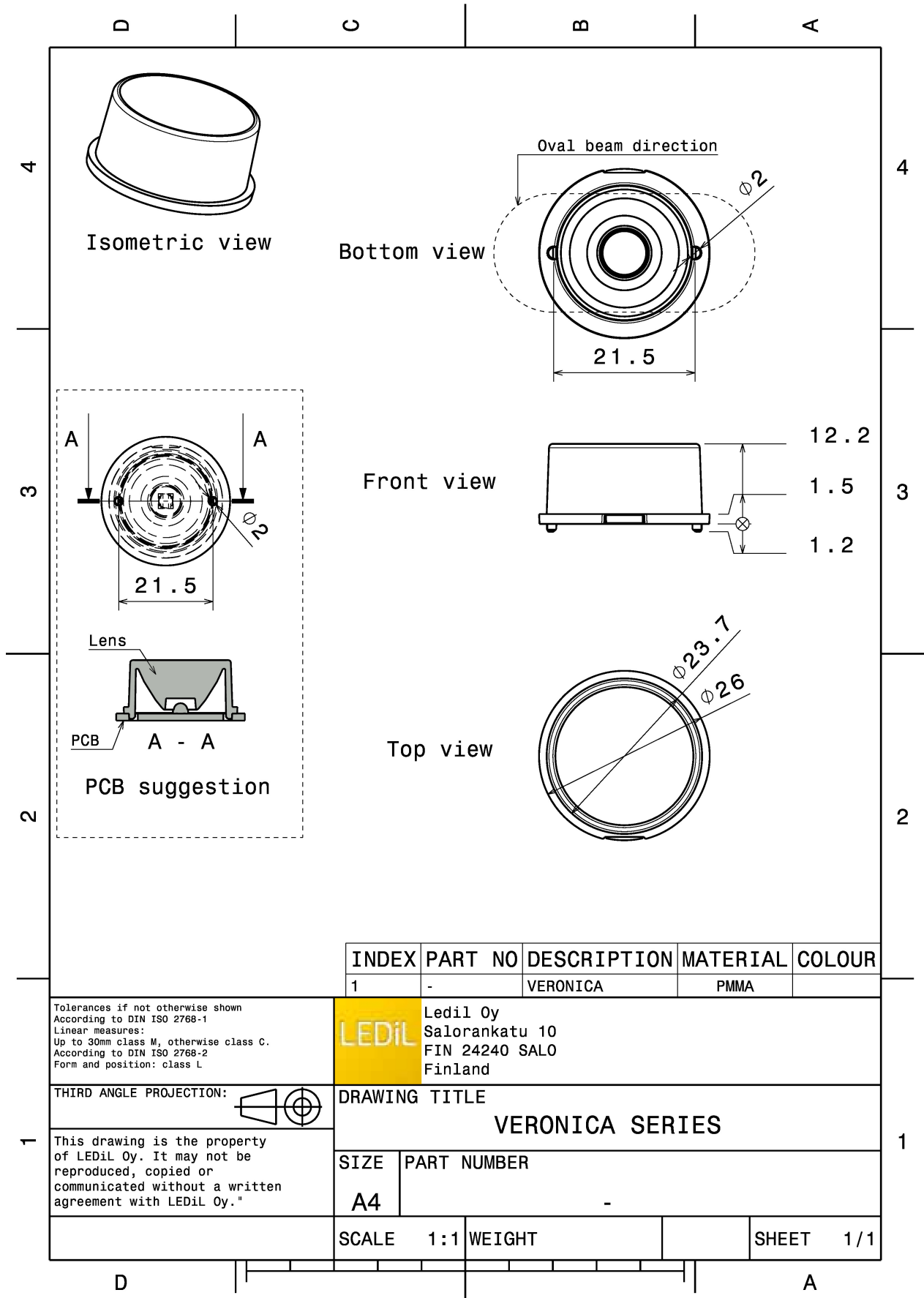
### MATERIALS:

Component	Type	Material	Colour	Finish	Length
VERONICA-RS	Single lens	PMMA	clear		26.0

### 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





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** Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**VERONICA SERIES**

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SIZE	PART NUMBER
A4	-

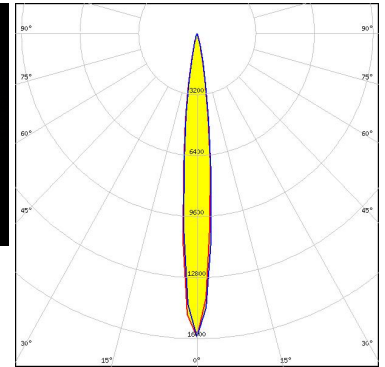
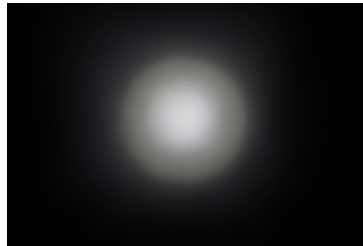
SCALE	1:1	WEIGHT	SHEET	1/1
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See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



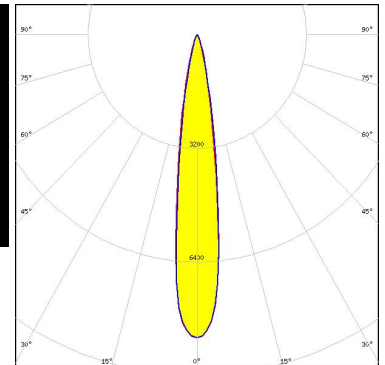
**LED** XB-H  
**FWHM / FWTM** 11.0° / 24.0°  
**Efficiency** 89 %  
**Peak intensity** 15.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



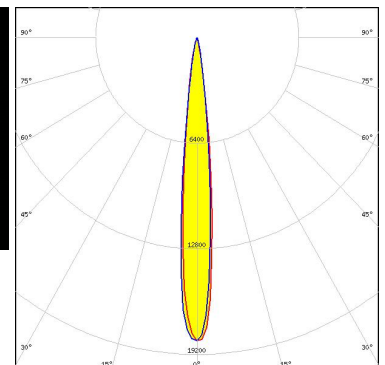
**LED** XM-L2  
**FWHM / FWTM** 16.0° / 32.0°  
**Efficiency** 90 %  
**Peak intensity** 8.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**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:**

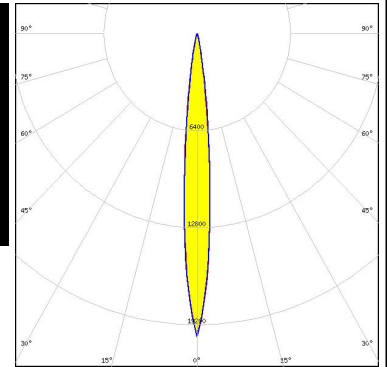
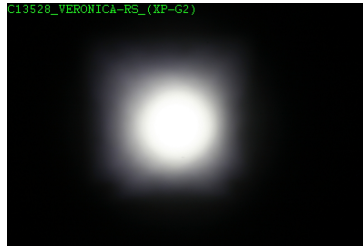


Light distribution files

### OPTICAL RESULTS (MEASURED):



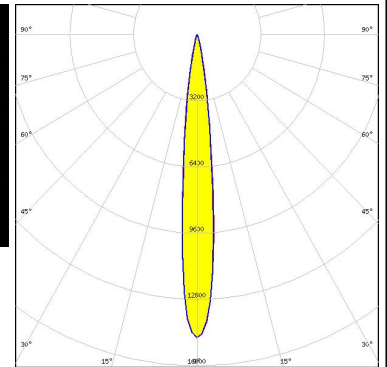
**LED** XP-G2  
**FWHM / FWTM** 10.0° / 21.0°  
**Efficiency** 90 %  
**Peak intensity** 19 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



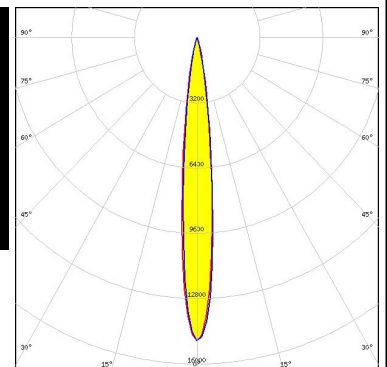
**LED** LUXEON A  
**FWHM / FWTM** 13.0° / 25.0°  
**Efficiency** 89 %  
**Peak intensity** 14.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**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:**

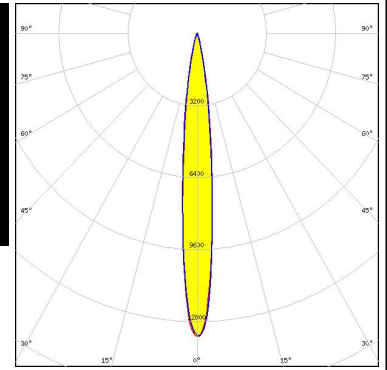
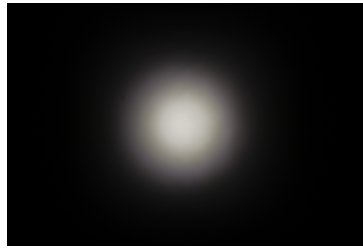


Light distribution files

### OPTICAL RESULTS (MEASURED):



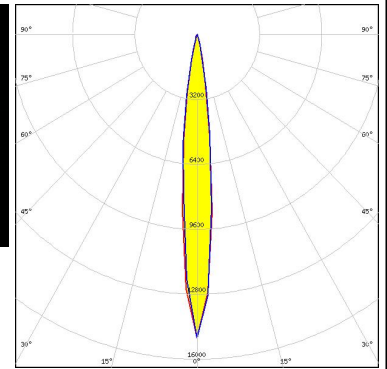
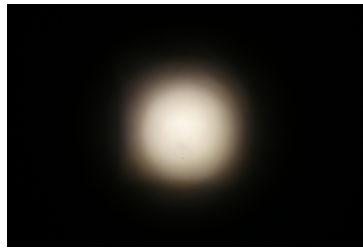
LED LUXEON V2  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 94 %  
 Peak intensity 13.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



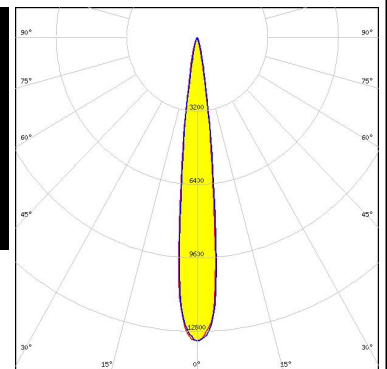
LED NCSxx19A  
 FWHM / FWTM 13.0° / 25.0°  
 Efficiency 86 %  
 Peak intensity 15 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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:

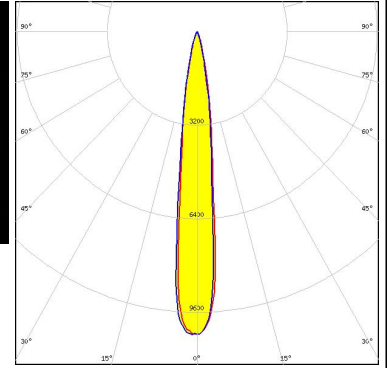


Light distribution files

### OPTICAL RESULTS (MEASURED):



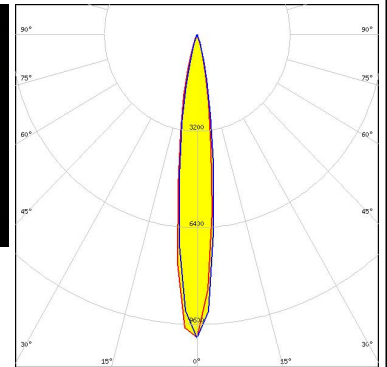
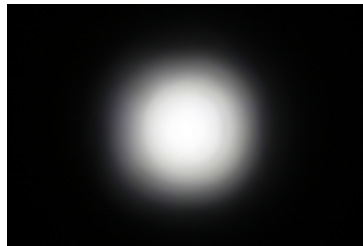
LED NVSW3x9A  
 FWHM / FWTM 13.0° / 28.0°  
 Efficiency 89 %  
 Peak intensity 10.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



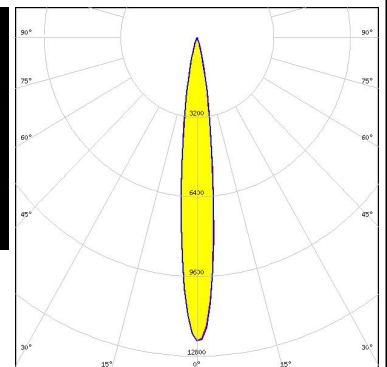
LED NVSxx19A  
 FWHM / FWTM 14.0° / 31.0°  
 Efficiency 85 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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:

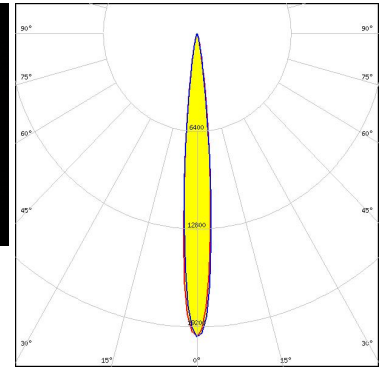


Light distribution files

### 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:

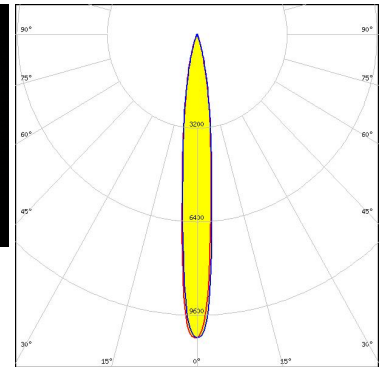
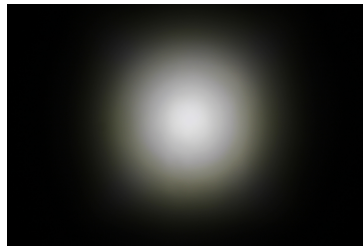


Light distribution files



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:

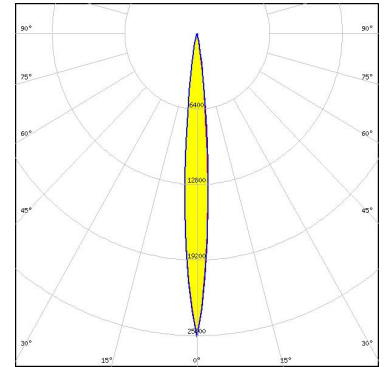


Light distribution files

### OPTICAL RESULTS (SIMULATED):



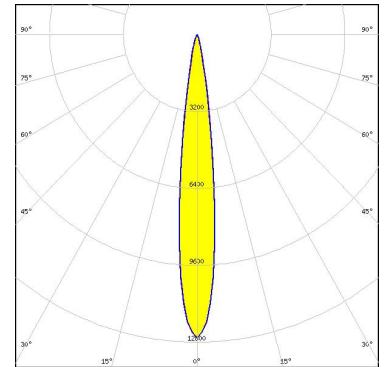
LED XP-E2  
 FWHM / FWTM 9.0° / 19.0°  
 Efficiency 96 %  
 Peak intensity 25.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type Amber  
 Required components:



Light distribution files



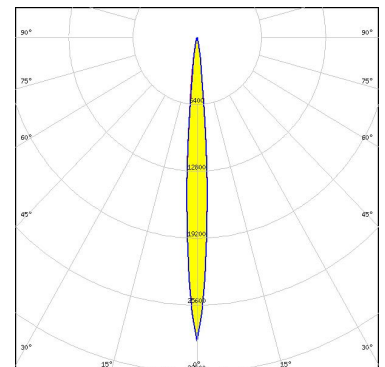
LED XP-G2 HE  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 97 %  
 Peak intensity 12.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



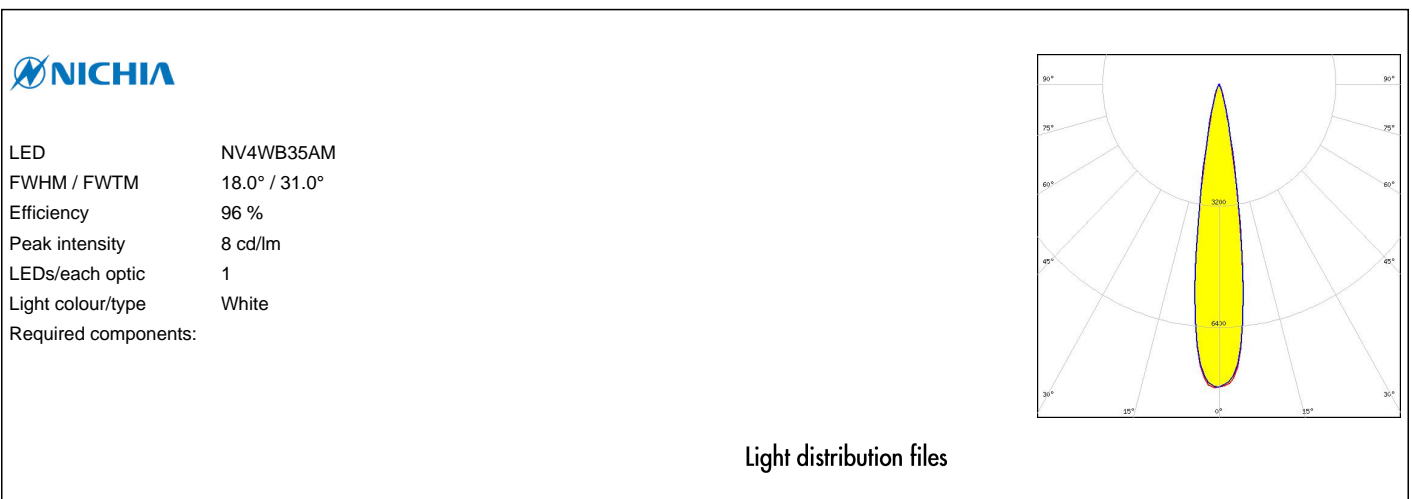
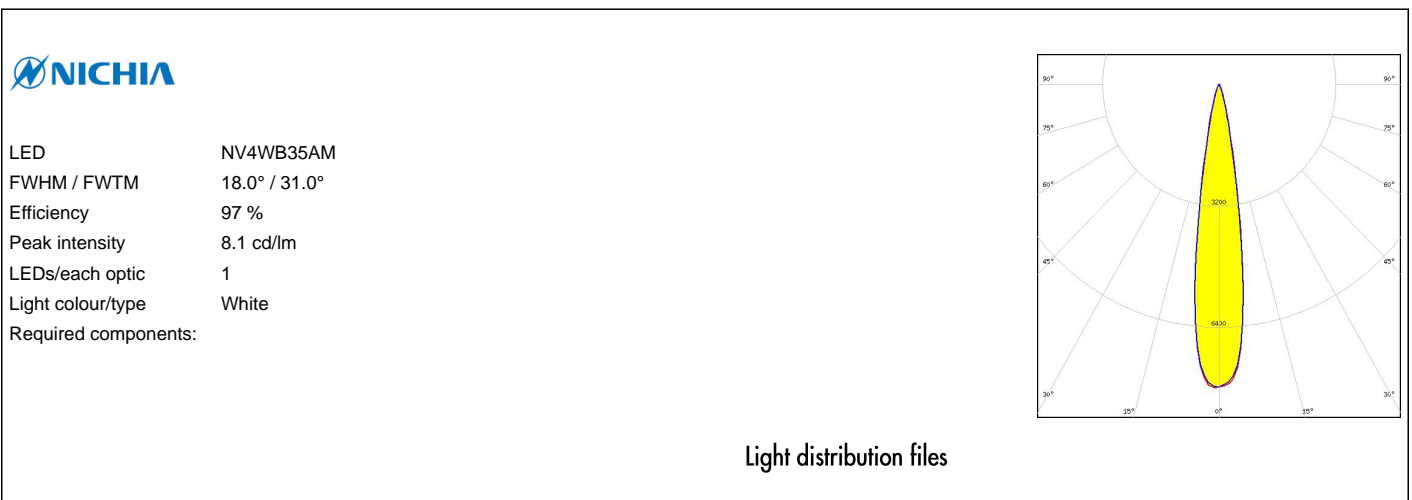
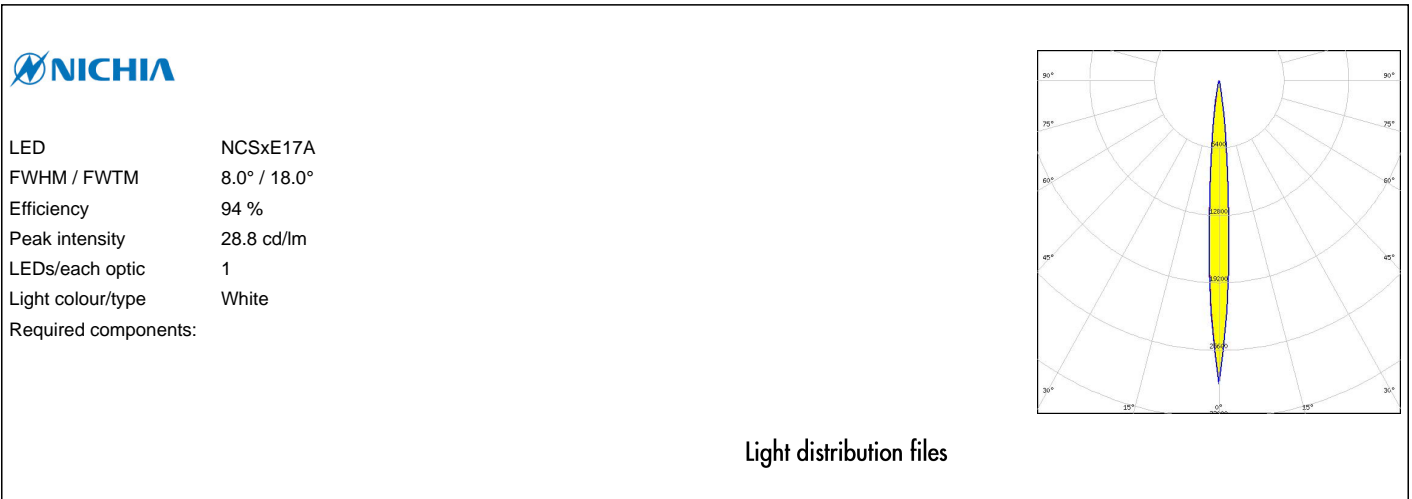
LED XP-G4 HI  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 95 %  
 Peak intensity 29 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



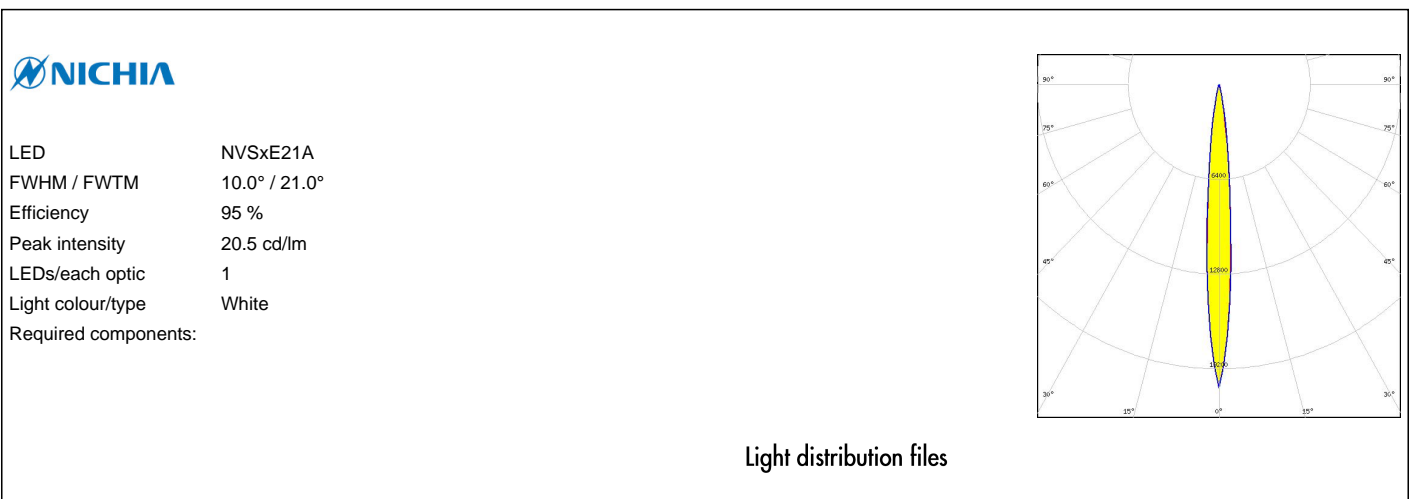
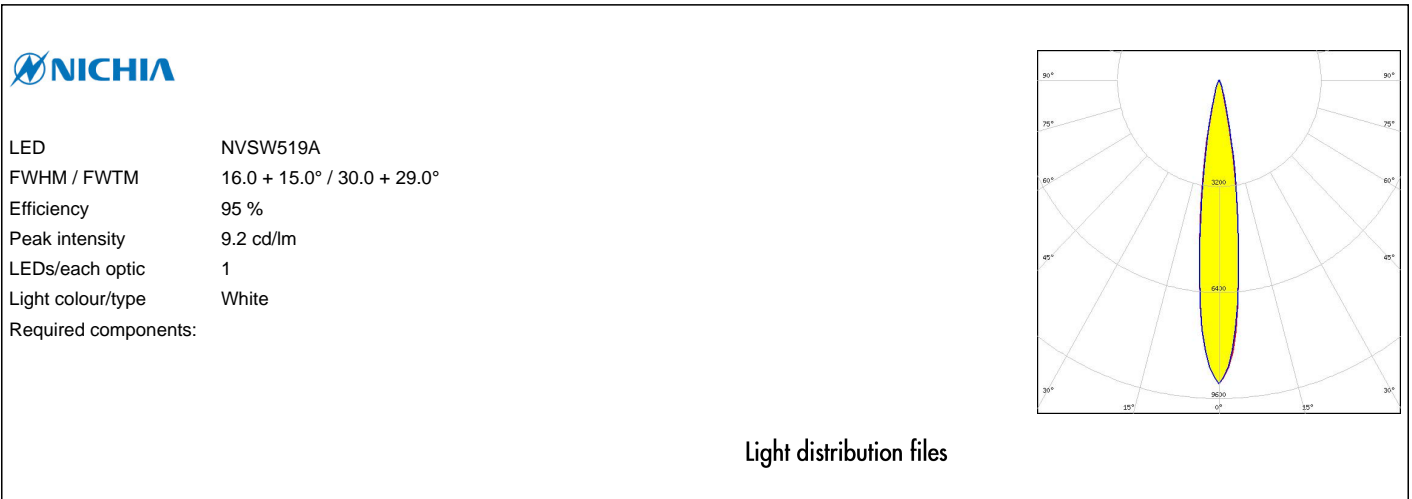
Light distribution files



### OPTICAL RESULTS (SIMULATED):



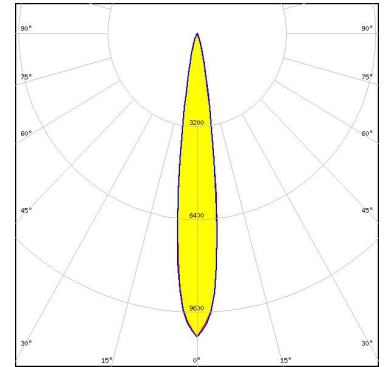
### OPTICAL RESULTS (SIMULATED):



### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

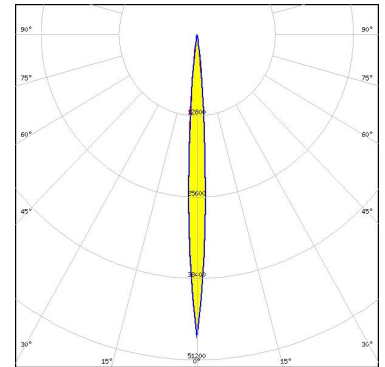
LED OSCONIQ P 3737 (3W version)  
FWHM / FWTM 15.0° / 28.0°  
Efficiency 94 %  
Peak intensity 10.5 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

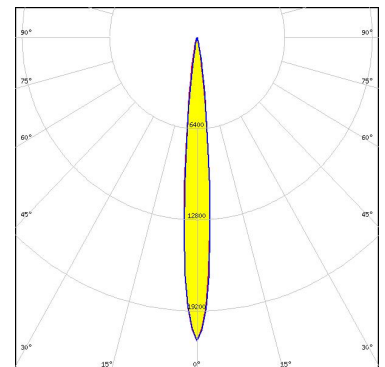
LED OSLO Pure 1414  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 96 %  
Peak intensity 47.8 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

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



Light distribution files

### OPTICAL RESULTS (SIMULATED):

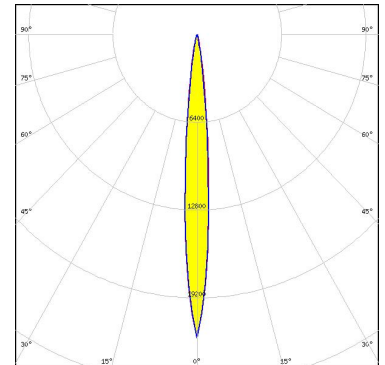
## SAMSUNG

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

Light distribution files



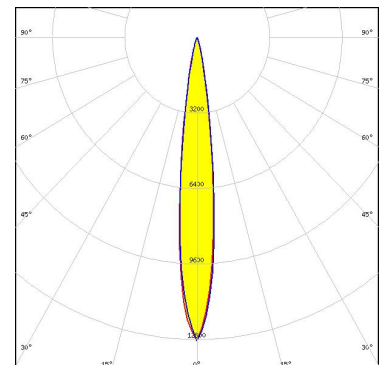
LED MJT 3030  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 96 %  
Peak intensity 22.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



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

### 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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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P.R.CHINA

#### Local sales and technical support

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#### Distribution Partners

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