

VERONICA-SQ-RS

~13° spot beam



SPECIFICATION:

Dimensions	Ø 22.5 mm
Height	12.2 mm
Fastening	tape, pin
ROHS compliant	yes 

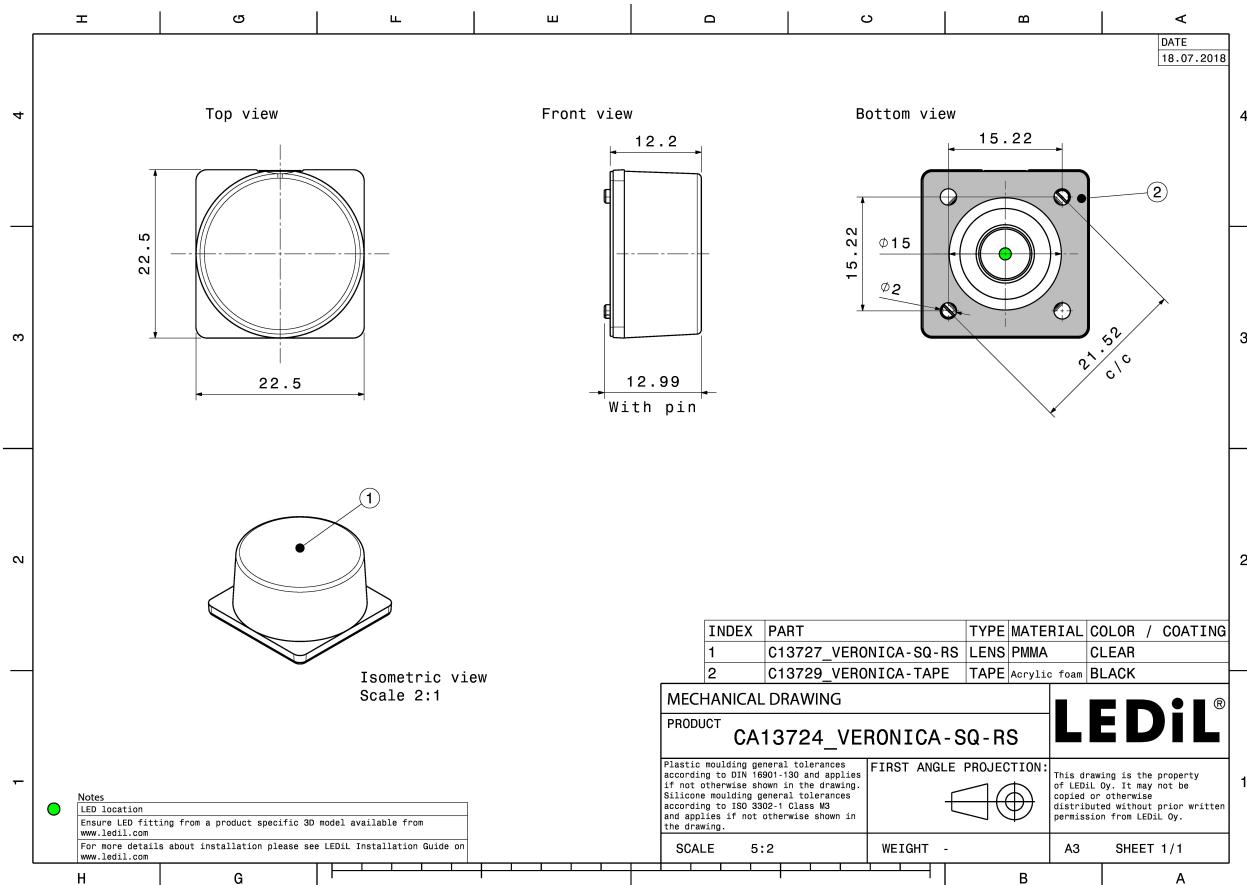
MATERIALS:

LEDiL®

Component	Type	Material	Colour	Finish
VERONICA-SQ-RS	Single lens	PMMA	clear	
VERONICA-TAPE	Tape	Acrylic foam	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)	
CA13724_VERONICA-SQ-RS » Box size: 480 x 280 x 300 mm	Single lens	1980	360	90	8.2

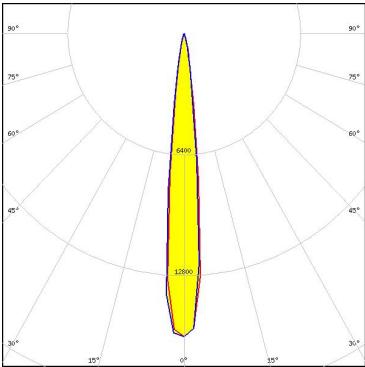


See also our general installation guide: www.ledil.com/installation_guide

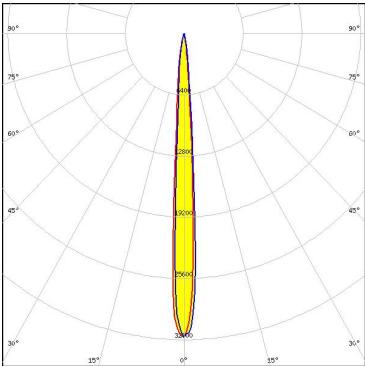
OPTICAL RESULTS (MEASURED):



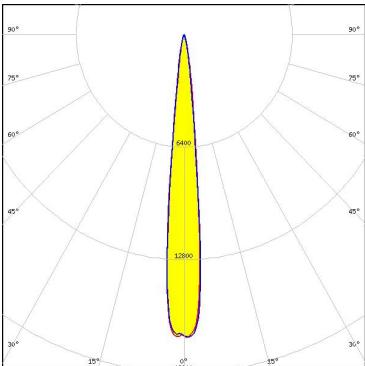
LED XB-H
FWHM / FWTM 12.0° / 22.0°
Efficiency 87 %
Peak intensity 16 cd/lm
LEDs/each optic 1
Light colour White
Required components:



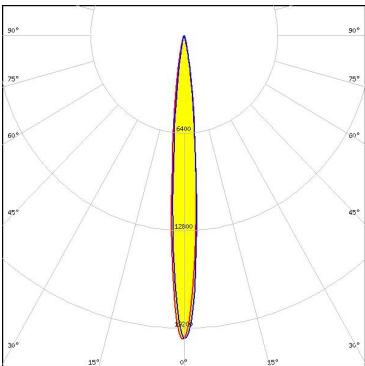
LED XP-E2
FWHM / FWTM 7.0° / 17.0°
Efficiency 97 %
Peak intensity 31.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G2
FWHM / FWTM 11.0° / 20.0°
Efficiency 90 %
Peak intensity 18.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



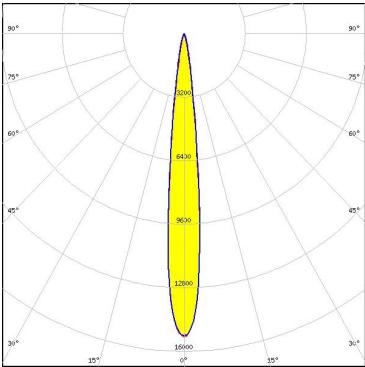
LED LUXEON 3030 2D (Square LES)
FWHM / FWTM 10.0° / 21.0°
Efficiency 92 %
Peak intensity 19.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

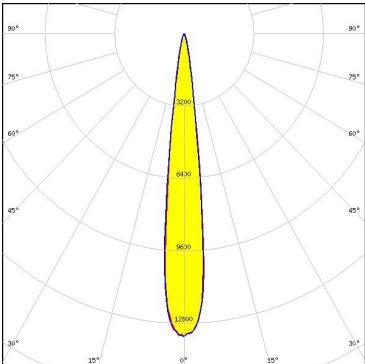
LUMILEDS

LED LUXEON V2
FWHM / FWTM 12.0° / 22.0°
Efficiency 94 %
Peak intensity 15.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



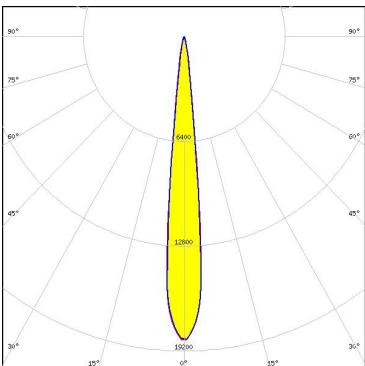
NICHIA

LED NVSW219F
FWHM / FWTM 13.0° / 23.0°
Efficiency 94 %
Peak intensity 13.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



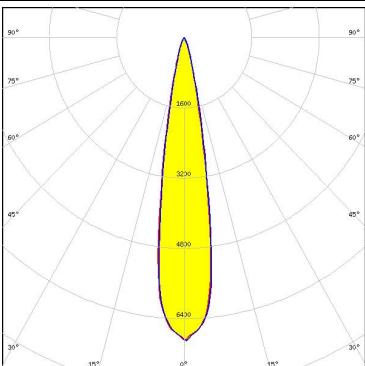
NICHIA

LED NVSW719AC
FWHM / FWTM 11.0° / 20.0°
Efficiency 97 %
Peak intensity 18.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



NICHIA

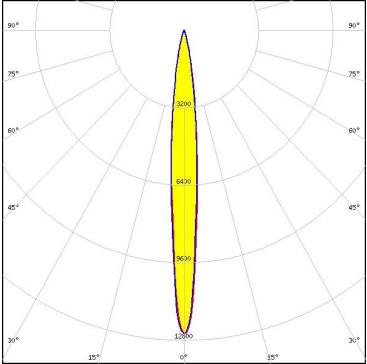
LED NWSx229A
FWHM / FWTM 18.0° / 33.0°
Efficiency 88 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

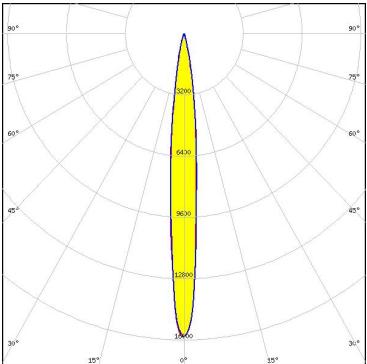
SAMSUNG

LED LH181A
 FWHM / FWTM 10.0° / 26.0°
 Efficiency 93 %
 Peak intensity 12.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



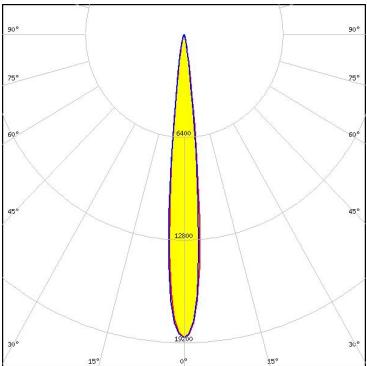
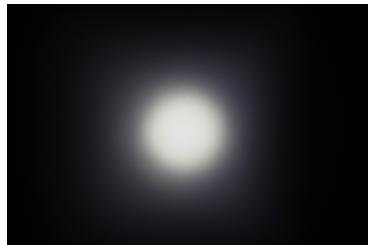
SAMSUNG

LED LH181B
 FWHM / FWTM 10.0° / 24.0°
 Efficiency 94 %
 Peak intensity 15.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



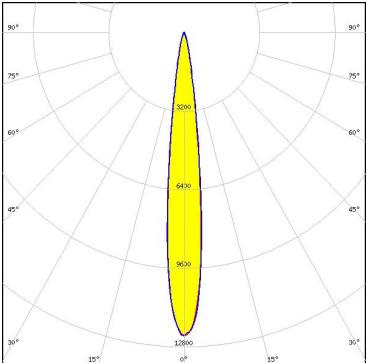
SAMSUNG

LED LH351Z
 FWHM / FWTM 12.0° / 20.0°
 Efficiency 89 %
 Peak intensity 18.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

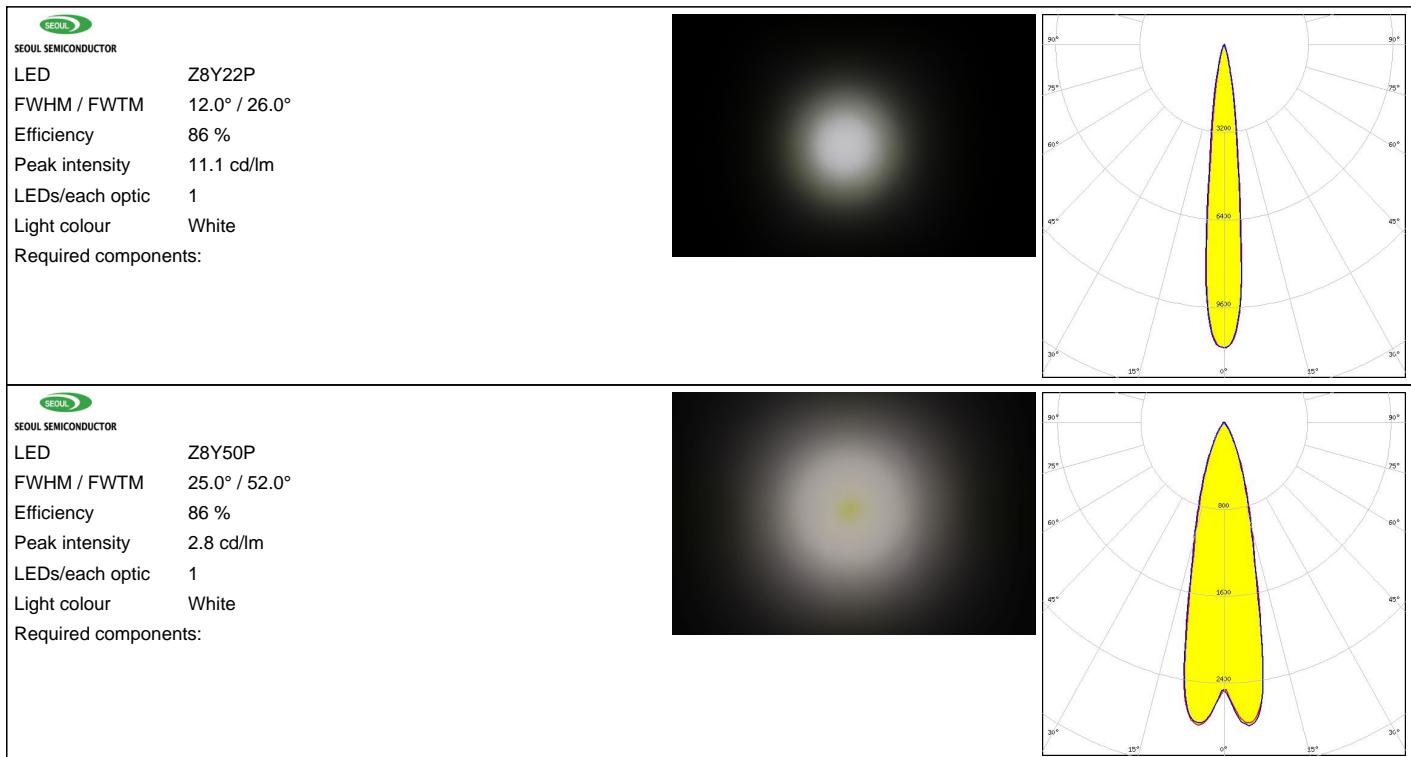


SEoul SEMICONDUCTOR

LED Z5M3
 FWHM / FWTM 13.0° / 25.0°
 Efficiency 94 %
 Peak intensity 12.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



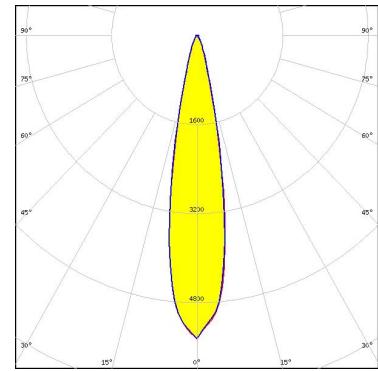
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):



LED XHP35.2 HD
FWHM / FWTM 20.0° / 37.0°
Efficiency 94 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XM-L
FWHM / FWTM 15.0°
Efficiency 91 %
LEDs/each optic 1
Light colour White
Required components:



LED XM-L2
FWHM / FWTM 15.0°
Efficiency 92 %
LEDs/each optic 1
Light colour White
Required components:



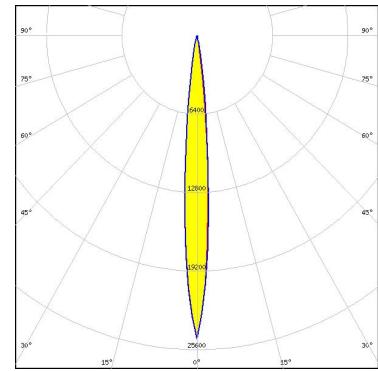
LED XP-E
FWHM / FWTM 8.0°
Efficiency 92 %
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (SIMULATED):



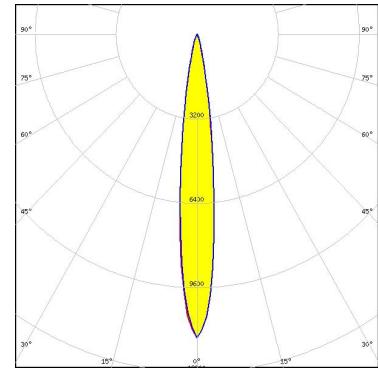
LED	XP-E2
FWHM / FWTM	10.0° / 19.0°
Efficiency	96 %
Peak intensity	24.7 cd/lm
LEDs/each optic	1
Light colour	Amber

Required components:



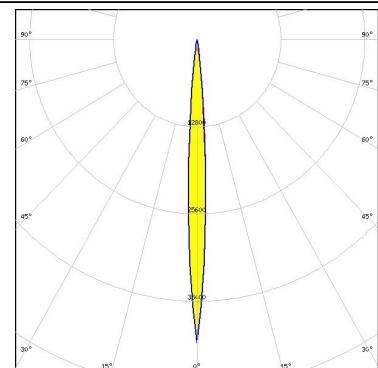
LED	XP-G
FWHM / FWTM	10.0°
Efficiency	92 %
LEDs/each optic	1
Light colour	White

Required components:



LED	XP-G2 HE
FWHM / FWTM	14.0° / 27.0°
Efficiency	98 %
Peak intensity	11.5 cd/lm
LEDs/each optic	1
Light colour	White

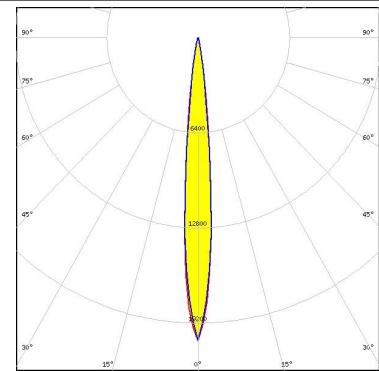
Required components:



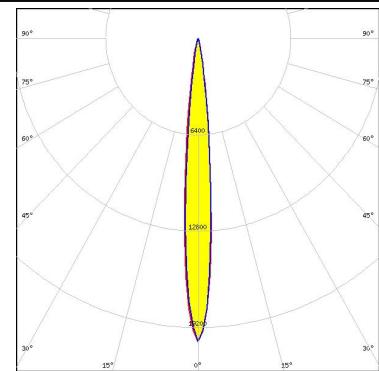
OPTICAL RESULTS (SIMULATED):



LED XT-E
FWHM / FWTM 10.0° / 20.0°
Efficiency 90 %
Peak intensity 20.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 3030 HV
FWHM / FWTM 10.0° / 21.0°
Efficiency 94 %
Peak intensity 21 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON A
FWHM / FWTM 11.0°
Efficiency 90 %
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON R
FWHM / FWTM 11.0°
Efficiency 90 %
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (SIMULATED):

LUMILEDS

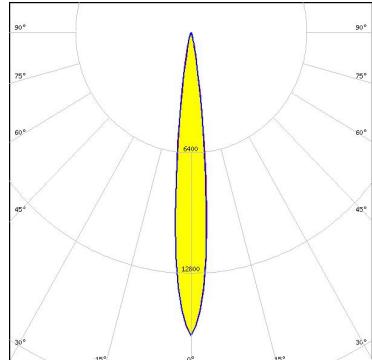
LED LUXEON Rebel
FWHM / FWTM 9.0°
Efficiency 90 %
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON Rebel ES
FWHM / FWTM 11.0°
Efficiency 90 %
LEDs/each optic 1
Light colour White
Required components:

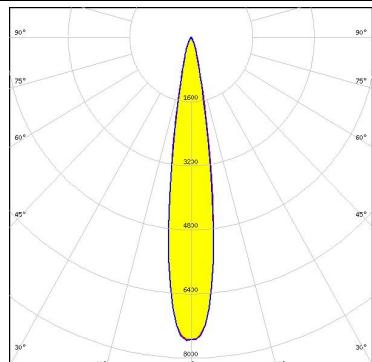
LUMILEDS

LED LUXEON T
FWHM / FWTM 12.0° / 22.0°
Efficiency 96 %
Peak intensity 16.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

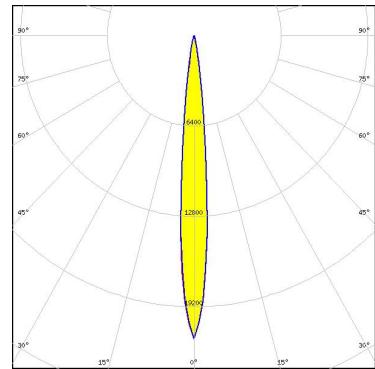
LED LUXEON V
FWHM / FWTM 17.0° / 31.0°
Efficiency 94 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



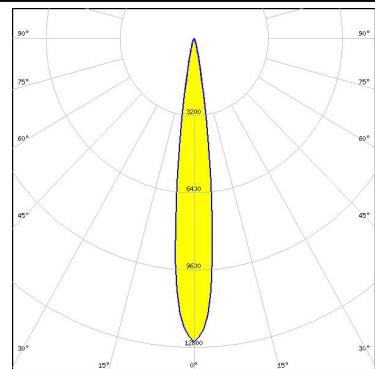
OPTICAL RESULTS (SIMULATED):



LED SFT-40-WCS
FWHM / FWTM 10.0° / 20.0°
Efficiency 96 %
Peak intensity 21.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



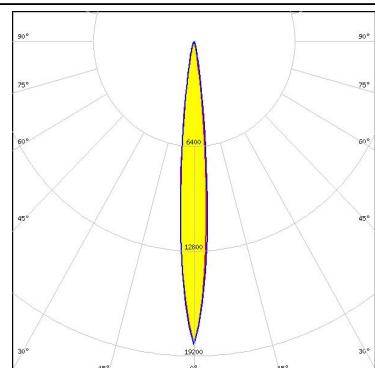
LED SFT-70X-WCS
FWHM / FWTM 14.0° / 24.0°
Efficiency 96 %
Peak intensity 12.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NCSxx19A
FWHM / FWTM 8.0°
Efficiency 88 %
LEDs/each optic 1
Light colour White
Required components:



LED NF2x757G
FWHM / FWTM 10.0° / 21.0°
Efficiency 96 %
Peak intensity 18.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

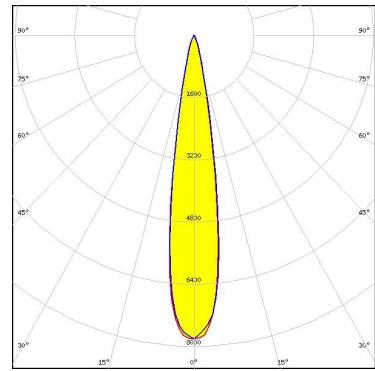


OPTICAL RESULTS (SIMULATED):



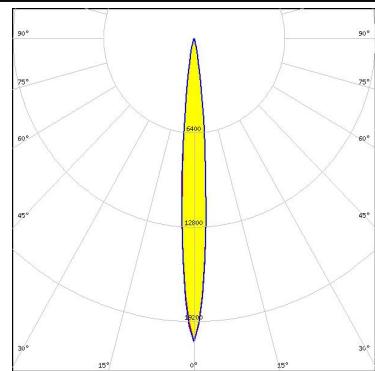
LED	NV4WB35AM
FWHM / FWTM	18.0° / 32.0°
Efficiency	96 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



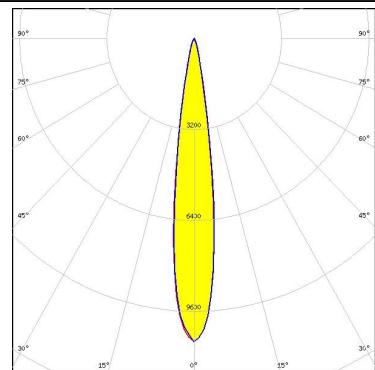
LED	NVSxE21A
FWHM / FWTM	9.4° / 21.0°
Efficiency	94 %
Peak intensity	20.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



LED	NVSxx19A
FWHM / FWTM	15.0° / 28.0°
Efficiency	96 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



LED	NVSxx19B/NVSxx19C
FWHM / FWTM	11.0°
Efficiency	89 %
LEDs/each optic	1
Light colour	White

Required components:

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSONIQ P 3030

FWHM / FWTM 7.3° / 16.0°

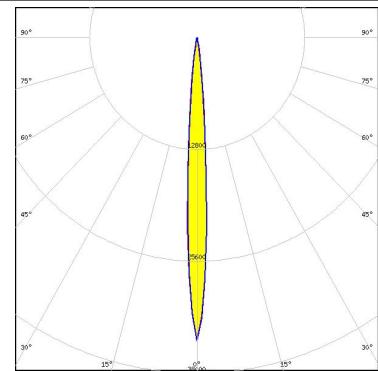
Efficiency 96 %

Peak intensity 34.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 10.0° / 20.0°

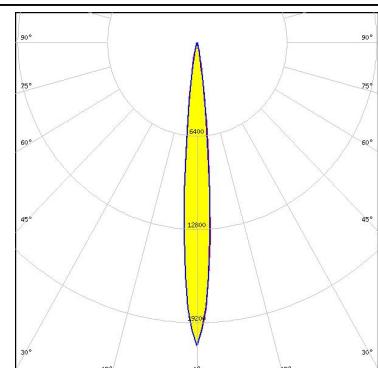
Efficiency 94 %

Peak intensity 20.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM

Opto Semiconductors

LED OSLON Square EC

FWHM / FWTM 10.0° / 19.0°

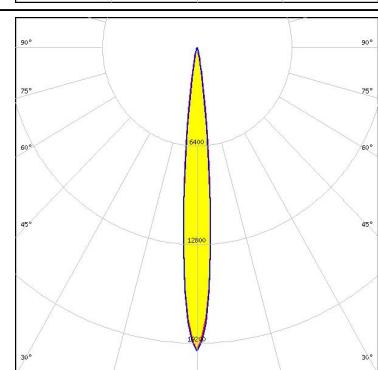
Efficiency 94 %

Peak intensity 20.2 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM

Opto Semiconductors

LED OSLON Square PC

FWHM / FWTM 10.0°

Efficiency 90 %

LEDs/each optic 1

Light colour White

Required components:

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLON SSL 150

FWHM / FWTM 8.0°

Efficiency 91 %

LEDs/each optic 1

Light colour White

Required components:

OSRAM

Opto Semiconductors

LED OSLON SSL 80

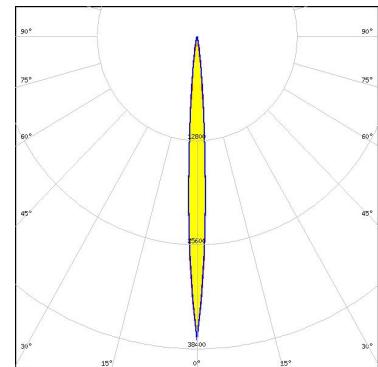
FWHM / FWTM 7.0°

Efficiency 90 %

LEDs/each optic 1

Light colour White

Required components:



SAMSUNG

LED LH351B

FWHM / FWTM 12.0°

Efficiency 93 %

LEDs/each optic 1

Light colour White

Required components:

SEOUL SEMICONDUCTOR

LED MJT 3030

FWHM / FWTM 10.0° / 20.0°

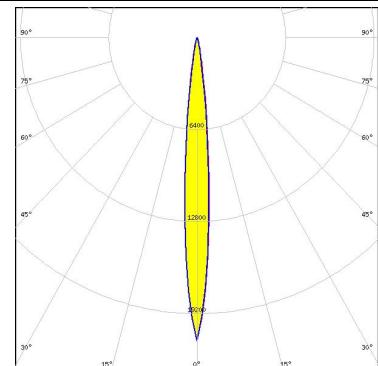
Efficiency 95 %

Peak intensity 21.1 cd/lm

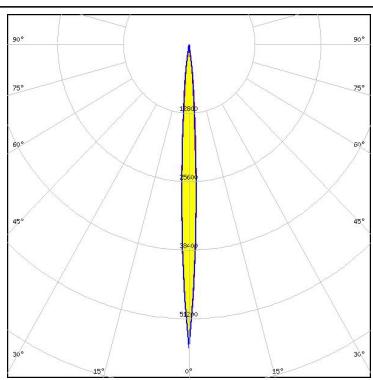
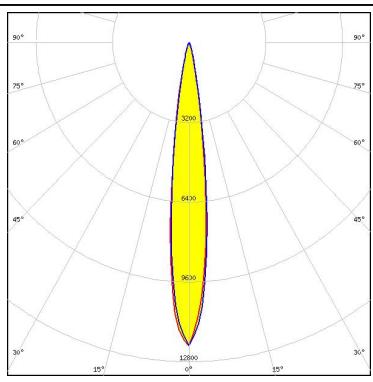
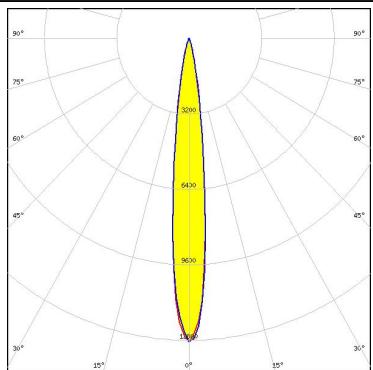
LEDs/each optic 1

Light colour White

Required components:



OPTICAL RESULTS (SIMULATED):

 SEoul SEMICONDUCTOR	LED Z5 FWHM / FWTM 6.0° / 13.0° Efficiency 95 % Peak intensity 56.6 cd/lm LEDs/each optic 1 Light colour White Required components:	
 SEoul SEMICONDUCTOR	LED Z5M4 FWHM / FWTM 14.0° / 26.0° Efficiency 96 % Peak intensity 12.2 cd/lm LEDs/each optic 1 Light colour White Required components:	
 SEoul SEMICONDUCTOR	LED Z8Y22T FWHM / FWTM 12.0° / 26.0° Efficiency 94 % Peak intensity 12.9 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.

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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