

LISA3-W-PIN

~35° wide beam with location pin installation

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	7 mm
Fastening	pin
ROHS compliant	yes 

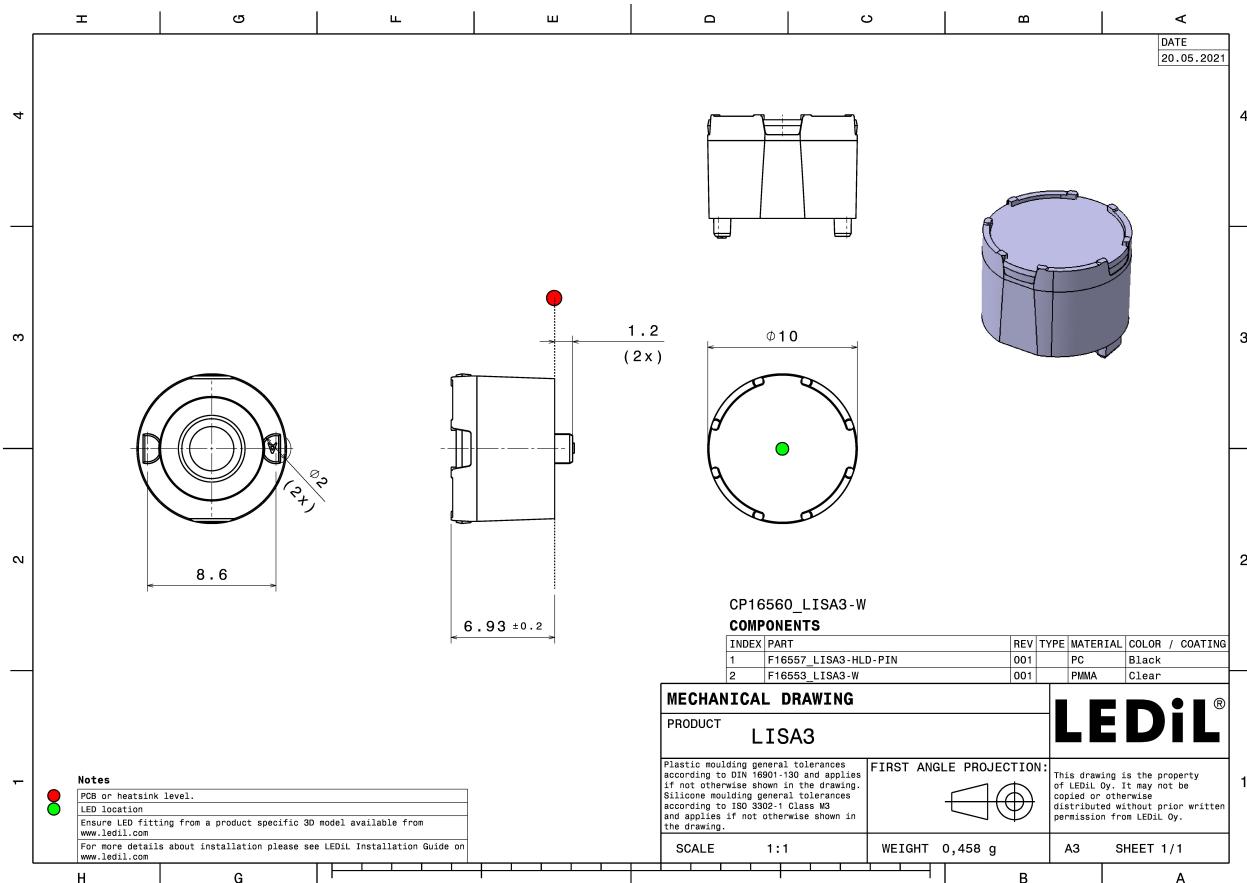


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LISA3-W	Single lens	PMMA	clear	
LISA3-HLD-PIN	Holder	PC	black	

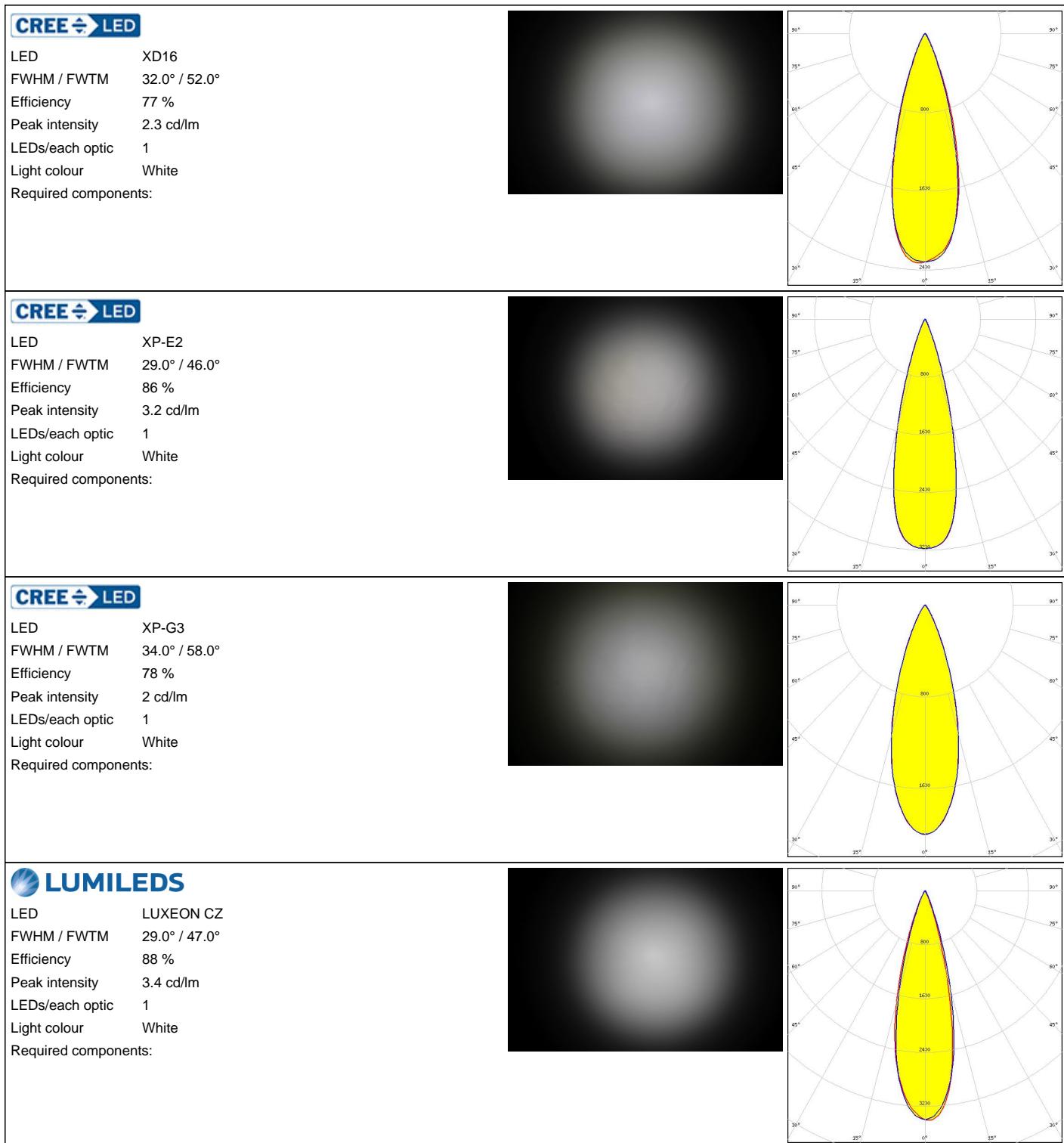
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)	
FP16560_LISA3-W-PIN » Box size: 310 x 230 x 60 mm	Single lens	2000	300	100	1.3



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

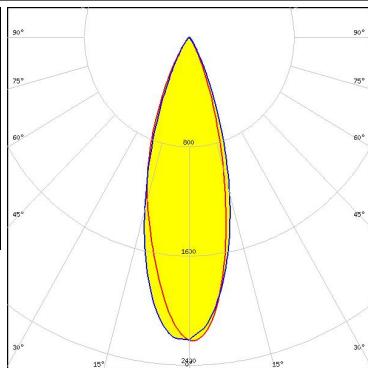
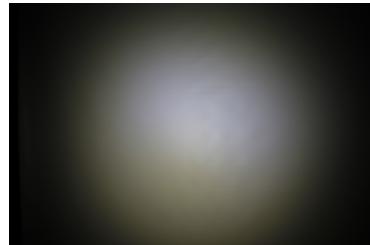
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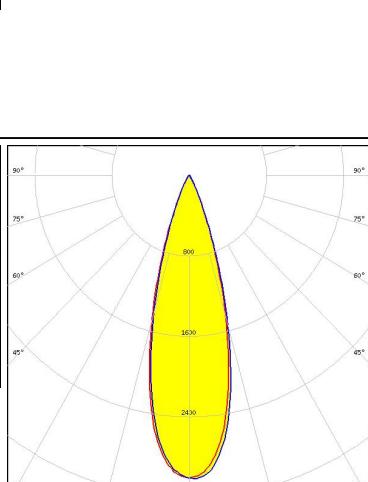
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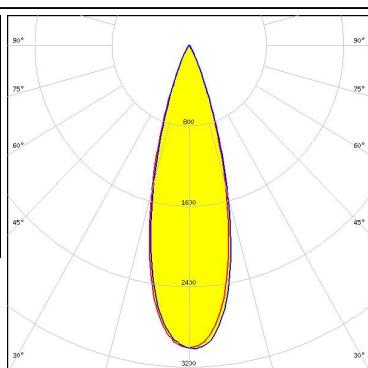
LED NF2x757G
 FWHM / FWTM 32.0° / 57.0°
 Efficiency 79 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



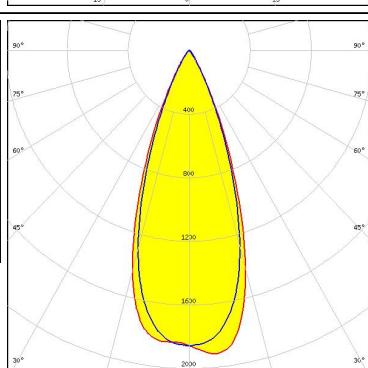
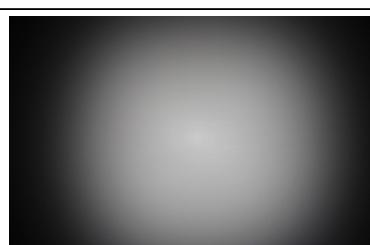
LED NVSW219F
 FWHM / FWTM 36.0° / 59.0°
 Efficiency 86 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



Opto Semiconductors
 LED OSCONIQ C 2424
 FWHM / FWTM 30.0° / 50.0°
 Efficiency 88 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



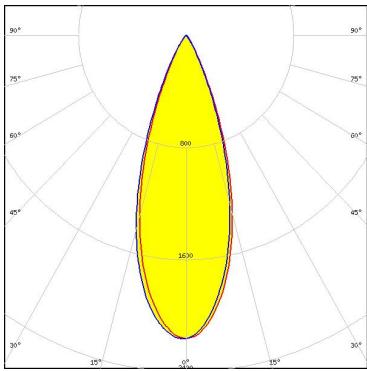
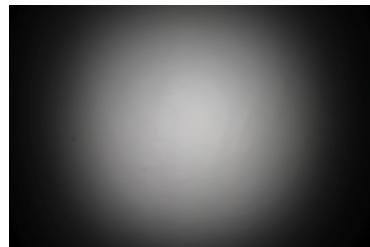
Opto Semiconductors
 LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 39.0° / 60.0°
 Efficiency 88 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

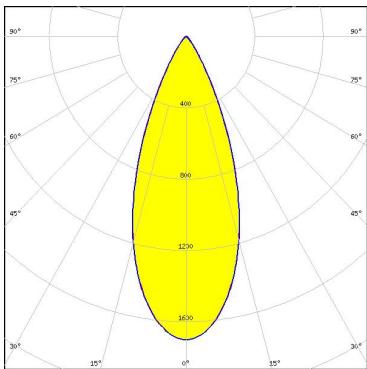
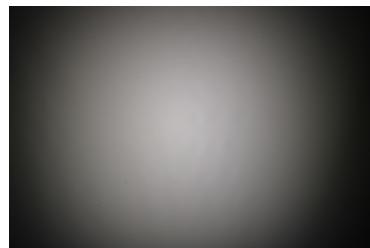
SAMSUNG

LED LH351C
FWHM / FWTM 35.0° / 58.0°
Efficiency 88 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

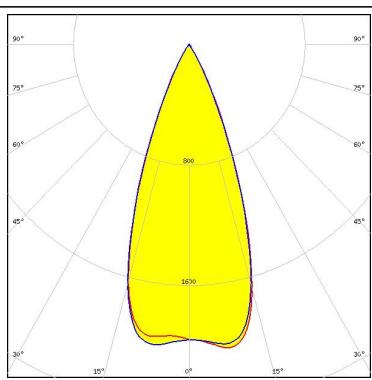
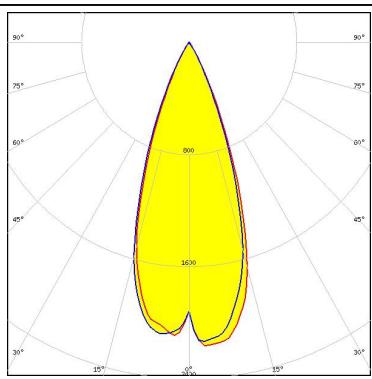
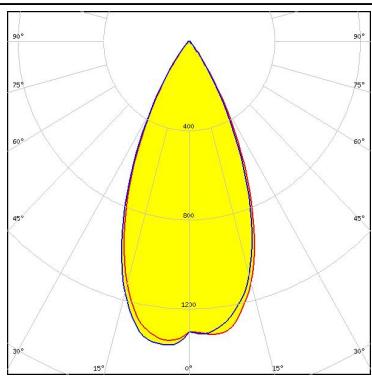
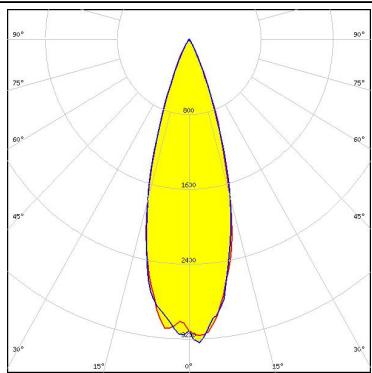


SEOUL SEMICONDUCTOR

LED Z5M4
FWHM / FWTM 40.0° / 67.0°
Efficiency 88 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



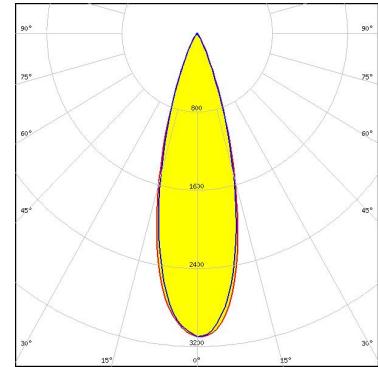
PHOTOMETRIC DATA (SIMULATED):

<p>CREE → LED</p> <p>LED XP-E FWHM / FWTM 41.0° / 59.0° Efficiency 92 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE → LED</p> <p>LED XP-G2 FWHM / FWTM 39.0° / 58.0° Efficiency 90 % Peak intensity 2.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE → LED</p> <p>LED XP-G2 HE FWHM / FWTM 48.0° / 72.0° Efficiency 87 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE → LED</p> <p>LED XT-E FWHM / FWTM 30.0° / 49.0° Efficiency 82 % Peak intensity 2.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

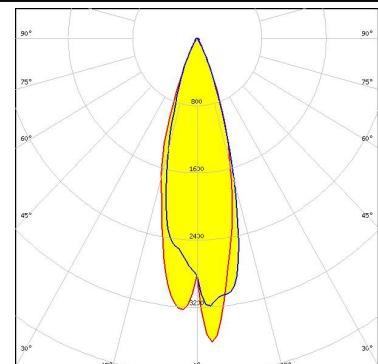
LUMILEDS

LED LUXEON 2835 Line
FWHM / FWTM 30.0° / 52.0°
Efficiency 89 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



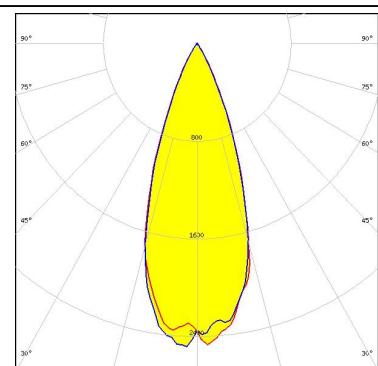
LUMILEDS

LED LUXEON 3030 2D (Round LES)
FWHM / FWTM 30.0° / 50.0°
Efficiency 85 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



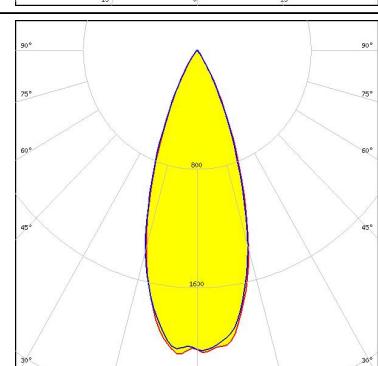
LUMILEDS

LED LUXEON TX
FWHM / FWTM 36.0° / 55.0°
Efficiency 87 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

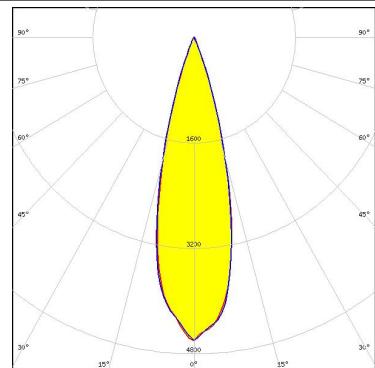
LED LUXEON V2
FWHM / FWTM 36.0° / 61.0°
Efficiency 90 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

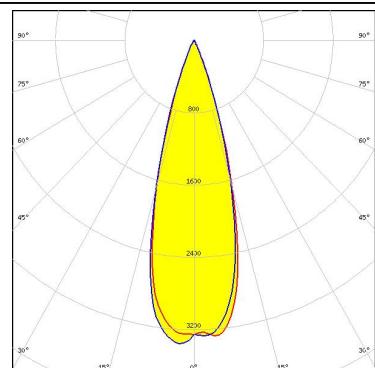
LUMILEDS

LED LUXEON Z
FWHM / FWTM 27.5° / 42.0°
Efficiency 88 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



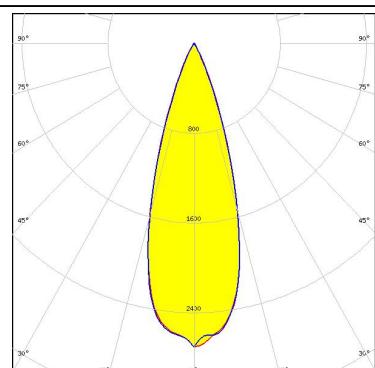
LUMILEDS

LED LUXEON Z ES
FWHM / FWTM 30.0° / 46.0°
Efficiency 89 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



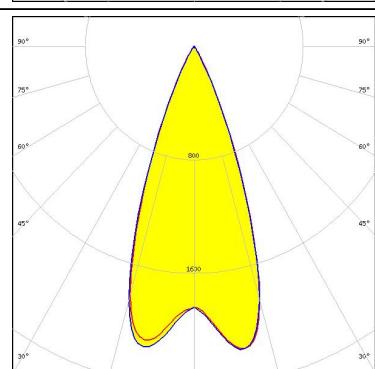
LUMINUS

LED SST-20
FWHM / FWTM 32.0° / 52.0°
Efficiency 87 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



NICHIA

LED NCSU276C
FWHM / FWTM 41.0° / 57.0°
Efficiency 91 %
LEDs/each optic 1
Light colour UV-A
Required components:

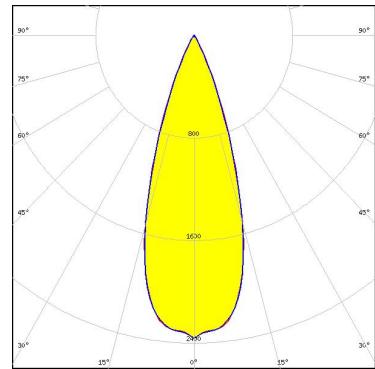


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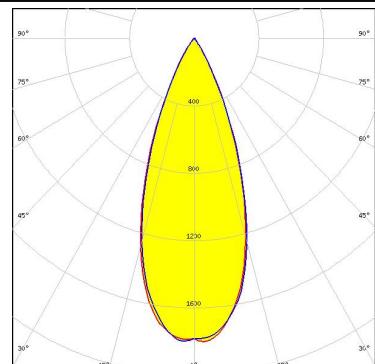
LED	NCSxx19B
FWHM / FWTM	34.0° / 54.0°
Efficiency	84 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



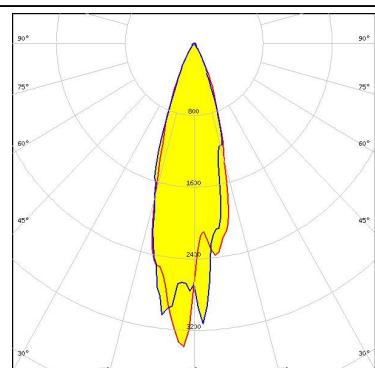
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	38.9° / 62.5°
Efficiency	83 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



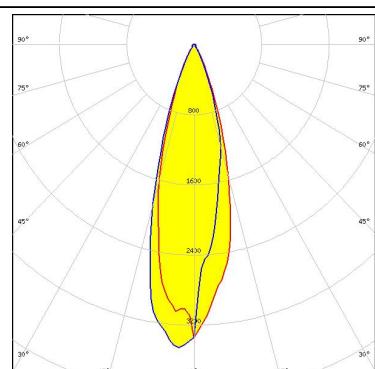
LED	Duris S5 (2 chip)
FWHM / FWTM	30.0° / 52.0°
Efficiency	87 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



LED	Duris S5 (Single chip)
FWHM / FWTM	30.0° / 50.0°
Efficiency	86 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

LED OSONIQ P 3030

FWHM / FWTM 29.0° / 46.0°

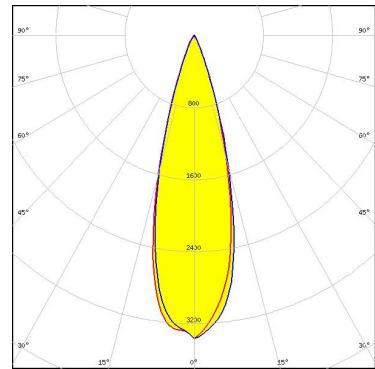
Efficiency 87 %

Peak intensity 3.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM

Opto Semiconductors

LED OSLON Black

FWHM / FWTM 25.0° / 40.0°

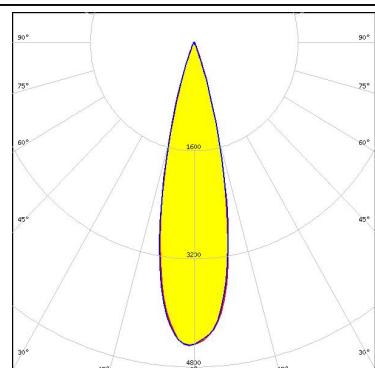
Efficiency 88 %

Peak intensity 4.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM

Opto Semiconductors

LED OSLON Square EC

FWHM / FWTM 35.0° / 55.0°

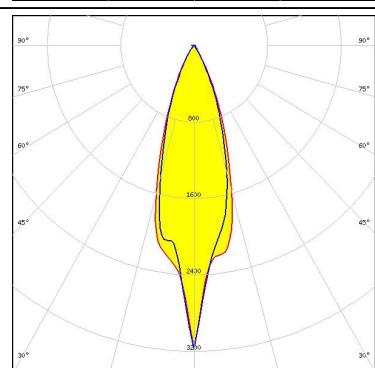
Efficiency 88 %

Peak intensity 2.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM

Opto Semiconductors

LED OSLON SSL 150

FWHM / FWTM 35.0° / 52.0°

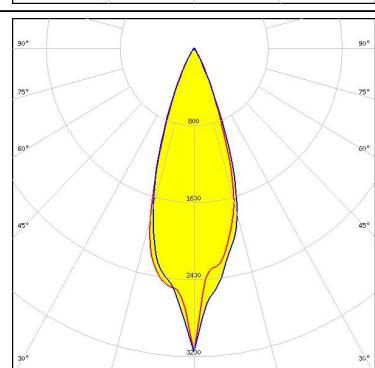
Efficiency 90 %

Peak intensity 2.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:



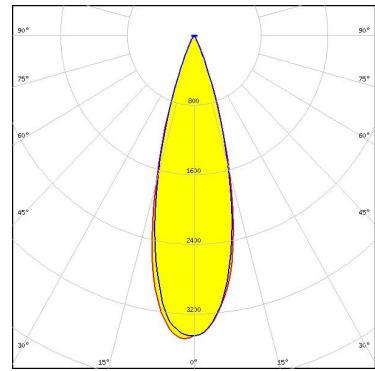
PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

LED	SYNOS S2222 (KW DDLM31)
FWHM / FWTM	30.0° / 48.0°
Efficiency	97 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

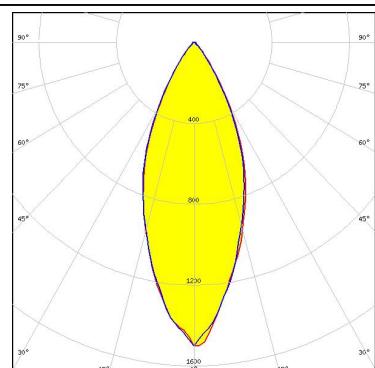
Required components:



SAMSUNG

LED	LH351D
FWHM / FWTM	41.0° / 73.0°
Efficiency	85 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

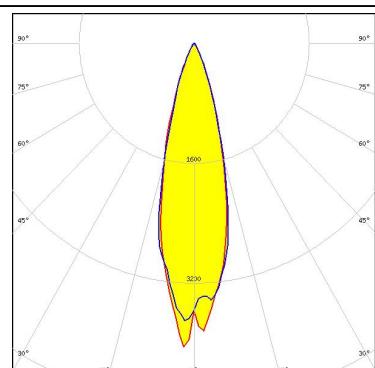
Required components:



SAMSUNG

LED	LM301A
FWHM / FWTM	29.0° / 48.0°
Efficiency	87 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

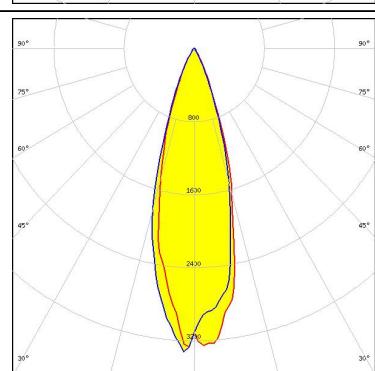
Required components:



SAMSUNG

LED	LM302A
FWHM / FWTM	30.0° / 51.0°
Efficiency	87 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

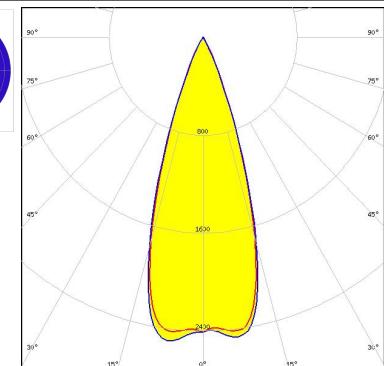
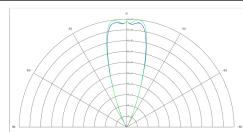
Required components:



PHOTOMETRIC DATA (SIMULATED):

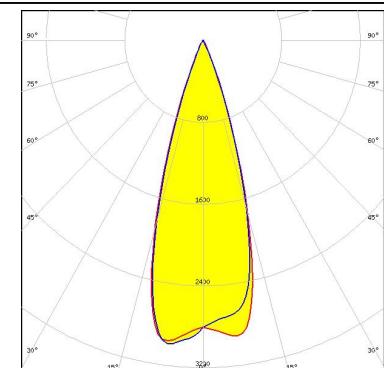
STANLEY

LED FWR1108MS
FWHM / FWTM 35.0° / 51.0°
Efficiency 90 %
LEDs/each optic 1
Light colour IR
Required components:



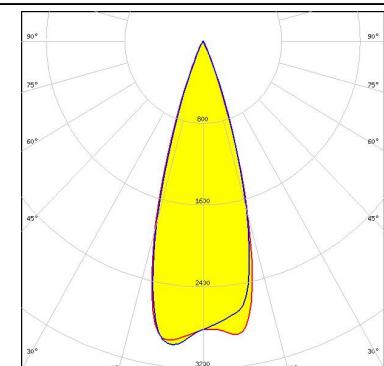
STANLEY

LED MFN1108MS
FWHM / FWTM 33.0° / 47.0°
Efficiency 91 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour IR
Required components:



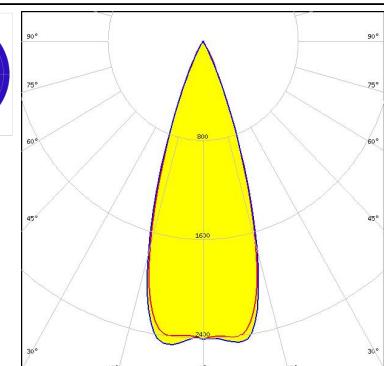
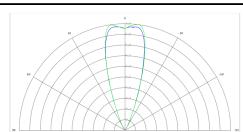
STANLEY

LED MGN1108MS
FWHM / FWTM 33.0° / 47.0°
Efficiency 91 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour IR
Required components:



STANLEY

LED MJN1108MS
FWHM / FWTM 36.0° / 52.0°
Efficiency 91 %
LEDs/each optic 1
Light colour IR
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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