

G2-LAURA-O-P

~40° x 13° oval beam. Assembly with thinner white holder, installation tape and location pins.

SPECIFICATION:

Dimensions	21.6 x 21.6
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

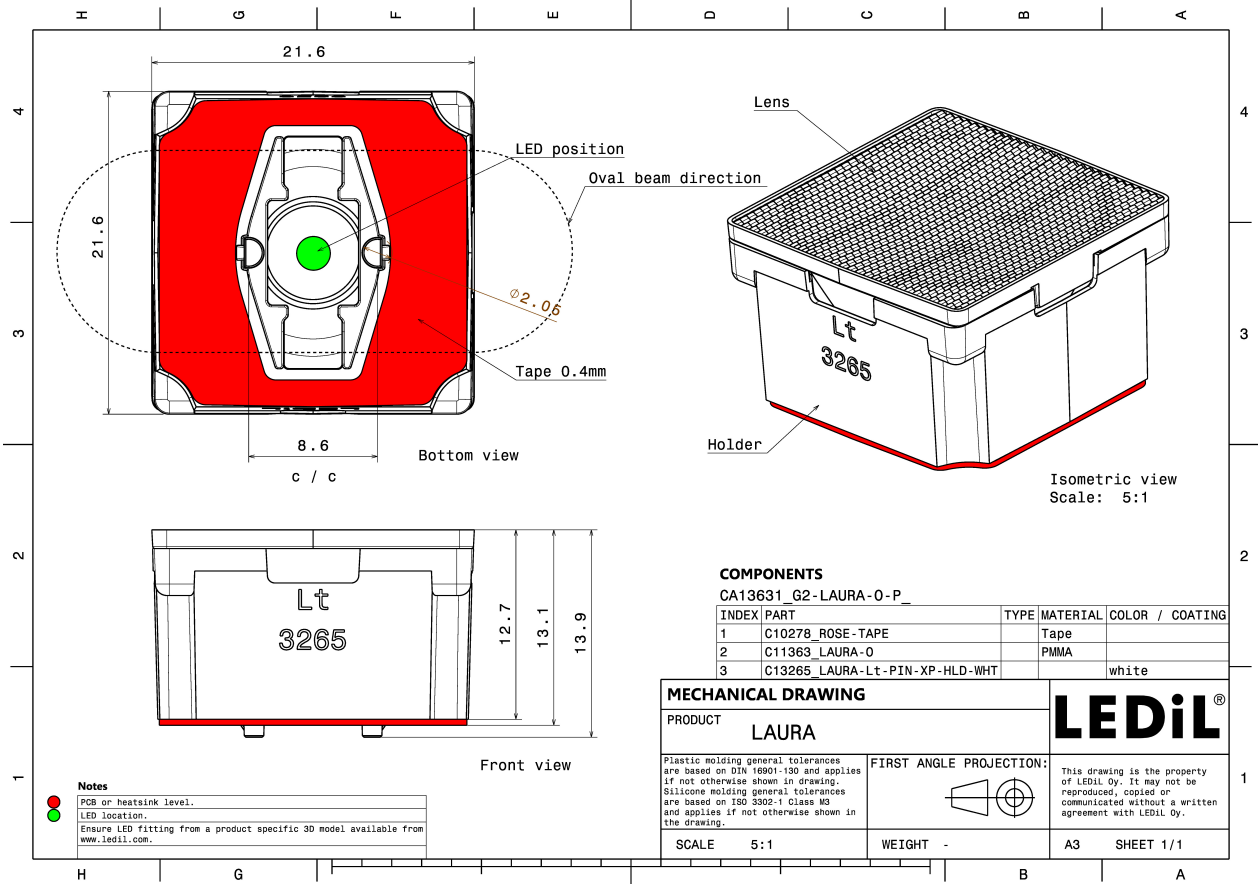


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LAURA-O	Single lens	PMMA	clear		
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white		
ROSE-TAPE	Tape	Acrylic foam	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA13631_G2-LAURA-O-P » Box size: 451 x 254 x 152 mm	1440	360	180	6.0

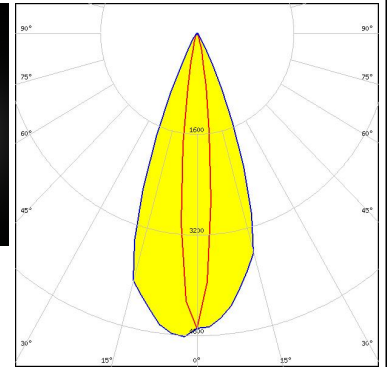
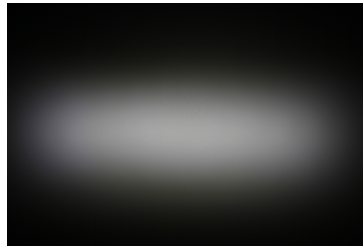


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



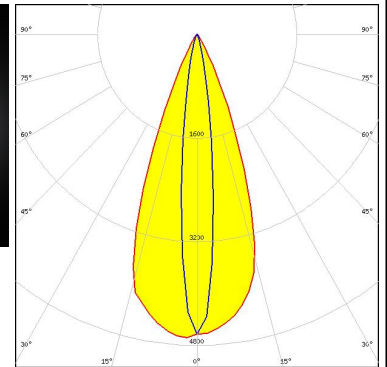
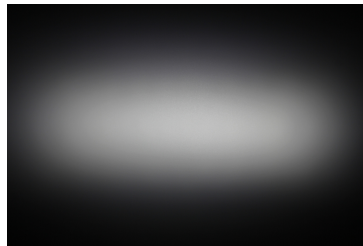
LED XB-D
 FWHM / FWTM 41.0 + 13.0° / 57.0 + 26.0°
 Efficiency 86 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XB-H
 FWHM / FWTM 41.0 + 13.0° / 58.0 + 26.0°
 Efficiency 87 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



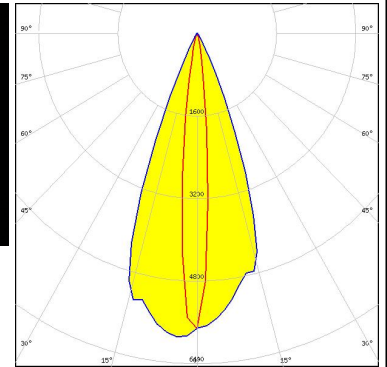
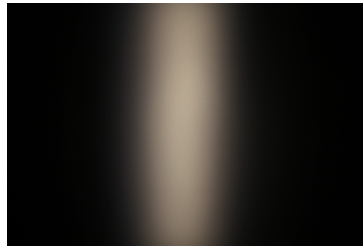
LED XP-E
 FWHM / FWTM 40.0 + 13.0° / 55.0 + 24.0°
 Efficiency 91 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):



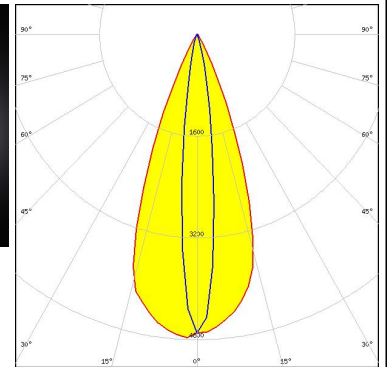
LED XP-E2
 FWHM / FWTM 41.0 + 11.0° / 55.0 + 22.0°
 Efficiency 88 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



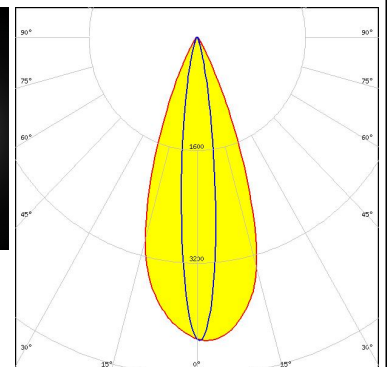
LED XP-G2
 FWHM / FWTM 41.0 + 14.0° / 58.0 + 27.0°
 Efficiency 87 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G3
 FWHM / FWTM 39.0 + 13.0° / 58.0 + 29.0°
 Efficiency 93 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

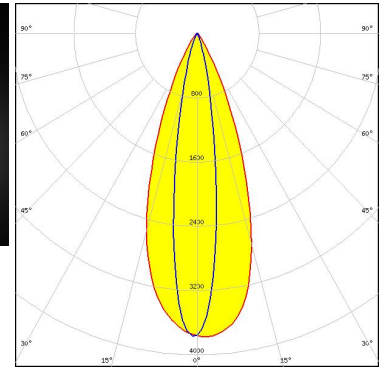
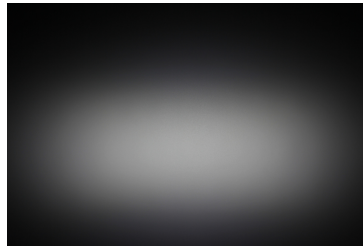


Light distribution files

OPTICAL RESULTS (MEASURED):



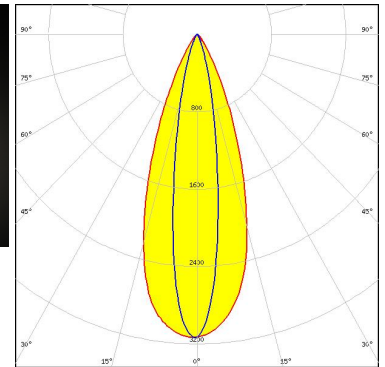
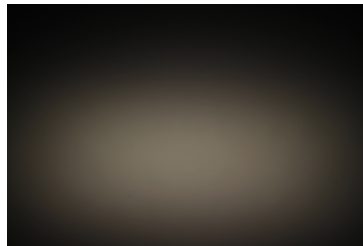
LED XP-L HD
FWHM / FWTM 38.0 + 16.0° / 60.0 + 34.0°
Efficiency 89 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



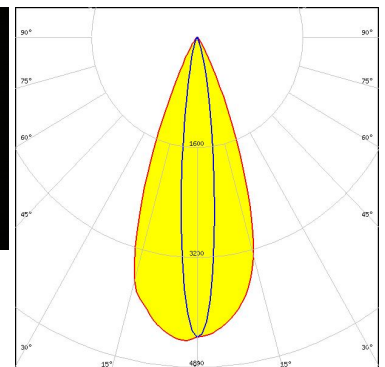
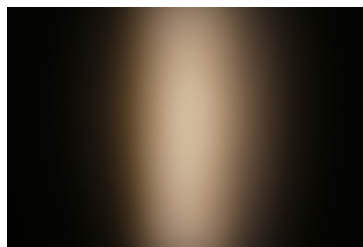
LED XP-L2
FWHM / FWTM 38.0 + 17.0° / 64.0 + 38.0°
Efficiency 84 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XT-E
FWHM / FWTM 40.0 + 14.0° / 59.0 + 29.0°
Efficiency 87 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

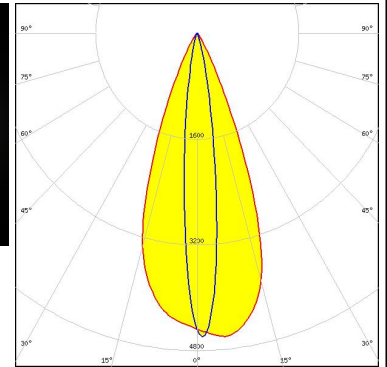
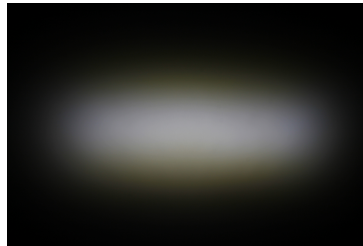


Light distribution files

OPTICAL RESULTS (MEASURED):



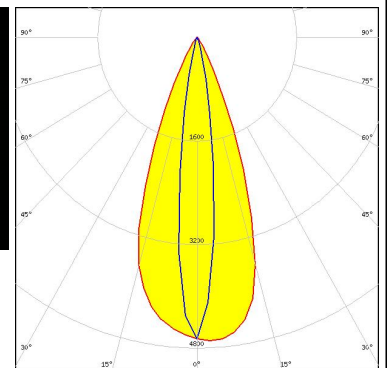
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 40.0 + 13.0° / 58.0 + 26.0°
 Efficiency 88 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



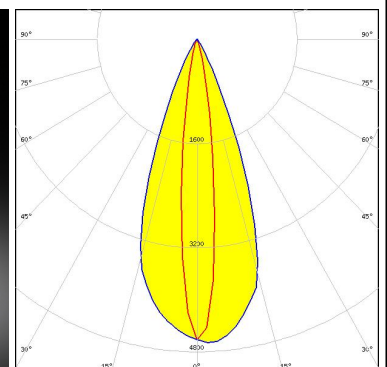
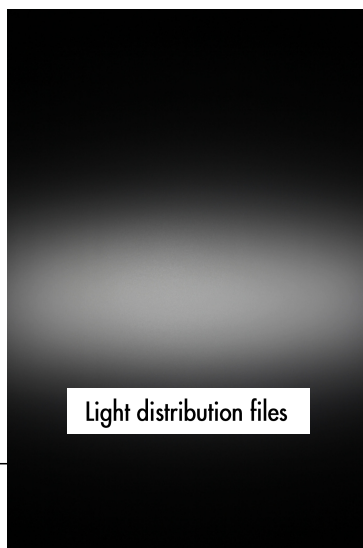
LED LUXEON T
 FWHM / FWTM 40.0 + 15.0° / 60.0 + 28.0°
 Efficiency 90 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON TX
 FWHM / FWTM 41.0 + 14.0° / 59.0 + 27.0°
 Efficiency 87 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

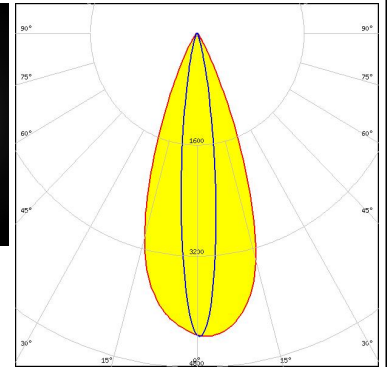


Light distribution files

OPTICAL RESULTS (MEASURED):



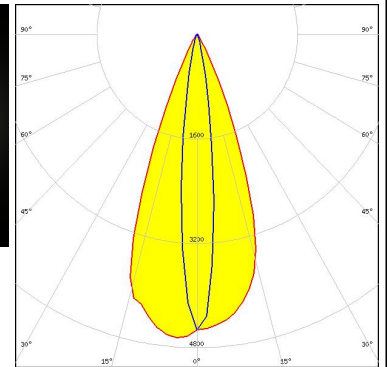
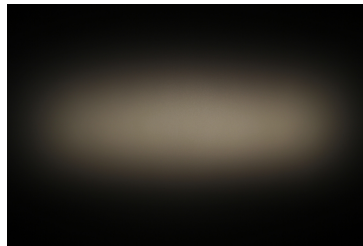
LED LUXEON V2
FWHM / FWTM 39.0 + 13.0° / 58.0 + 29.0°
Efficiency 93 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



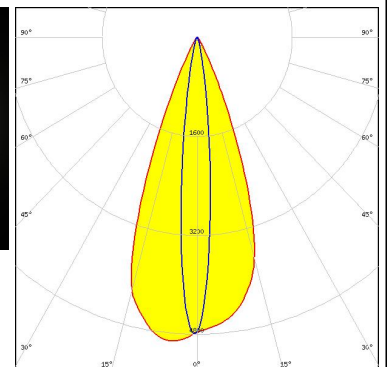
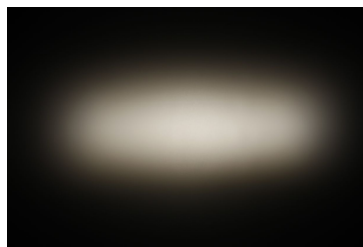
LED NCSxx19A
FWHM / FWTM 41.0 + 13.0° / 58.0 + 27.0°
Efficiency 87 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NCSxx19B
FWHM / FWTM 40.0 + 12.0° / 56.0 + 24.0°
Efficiency 87 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:


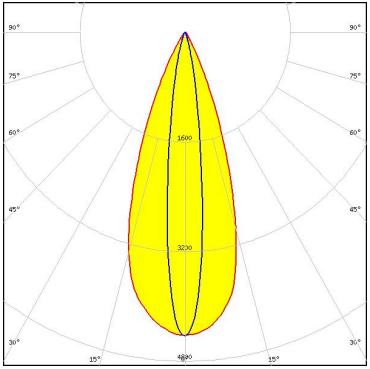


Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

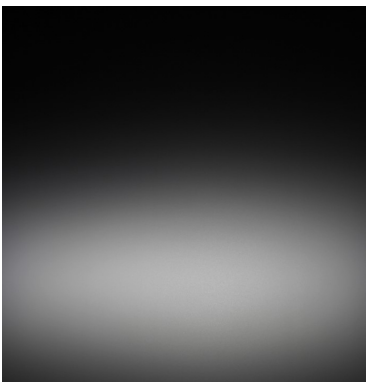
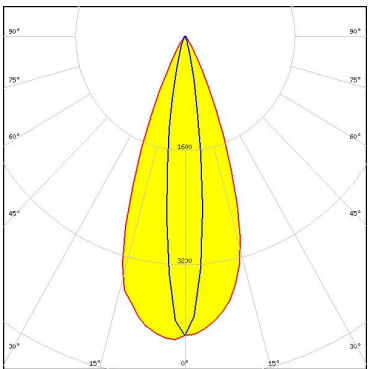
LED	NVSW219D
FWHM / FWTM	38.0 + 14.0° / 59.0 + 29.0°
Efficiency	94 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA


LED	NVSxx19A
FWHM / FWTM	40.0 + 15.0° / 60.0 + 30.0°
Efficiency	87 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	37.0 + 12.0° / 62.0 + 28.0°
Efficiency	89 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

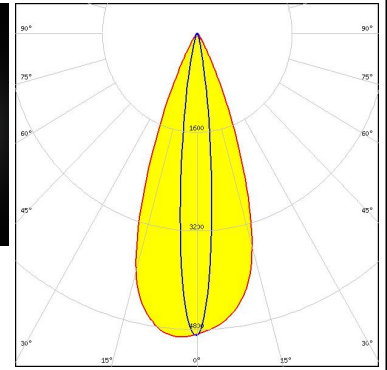


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

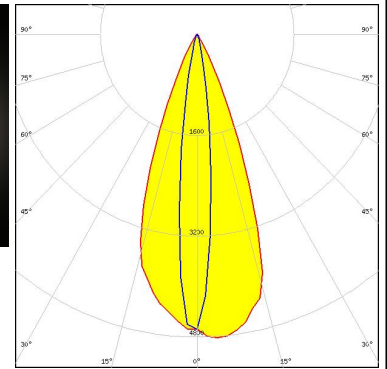
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 39.0 + 12.0° / 57.0 + 25.0°
 Efficiency 94 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

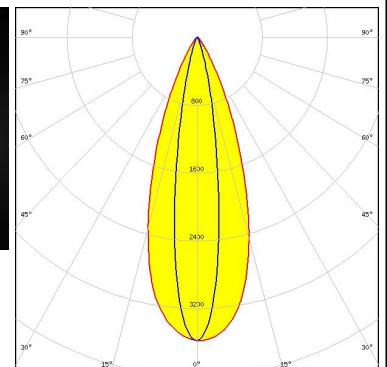
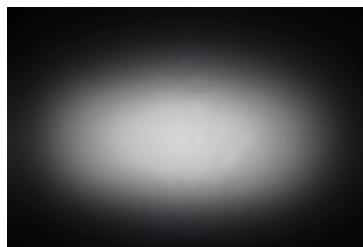
LED OSLON Square EC
 FWHM / FWTM 40.0 + 13.0° / 58.0 + 27.0°
 Efficiency 87 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



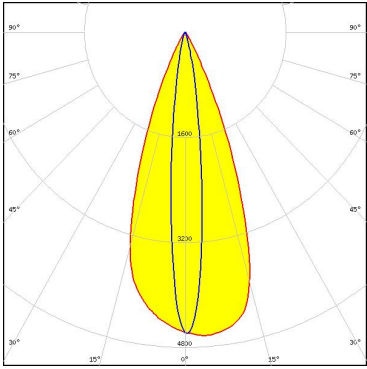
SAMSUNG



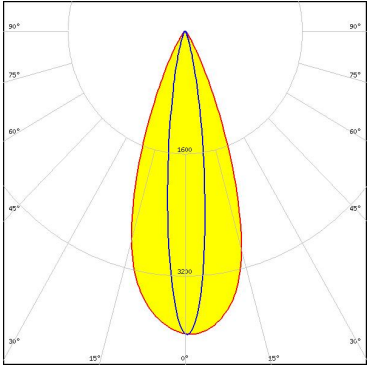
LED LH351D
 FWHM / FWTM 37.0 + 17.0° / 63.0 + 34.0°
 Efficiency 92 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

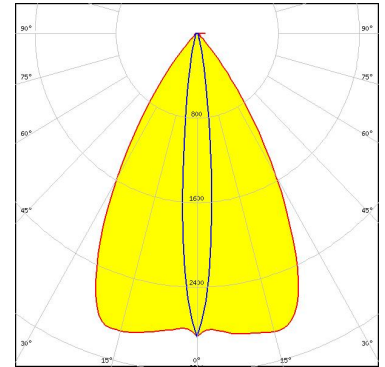
 <small>SEOUL SEMICONDUCTOR</small>			
LED	Z5M1/Z5M2		
FWHM / FWTM	40.0 + 12.0° / 57.0 + 26.0°		
Efficiency	86 %		
Peak intensity	4.6 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required components:		<p>Light distribution files</p>	

 <small>SEOUL SEMICONDUCTOR</small>			
LED	Z5M3		
FWHM / FWTM	39.0 + 15.0° / 60.0 + 32.0°		
Efficiency	94 %		
Peak intensity	4 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required components:		<p>Light distribution files</p>	

OPTICAL RESULTS (SIMULATED):



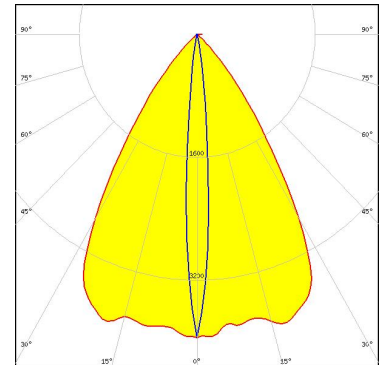
LED XP-G4
FWHM / FWTM 62.0 + 12.0° / 84.0 + 26.0°
Efficiency 89 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



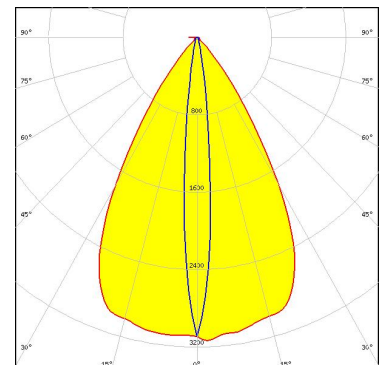
LED XQ-E HD
FWHM / FWTM 66.0 + 9.0° / 89.0 + 18.0°
Efficiency 94 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

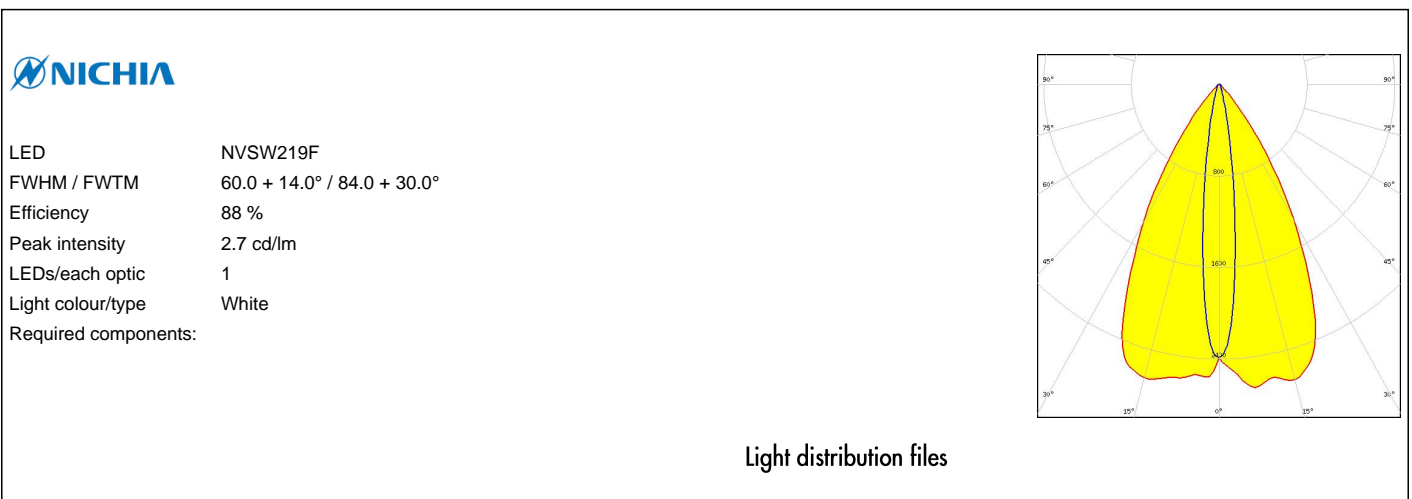
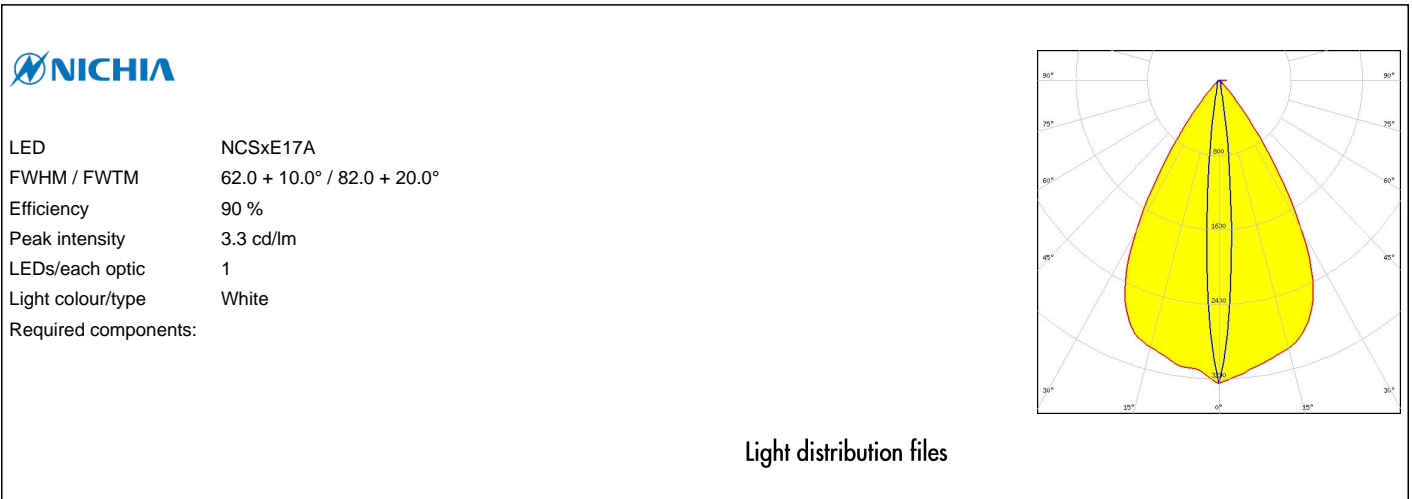


LED LUXEON 3535L
FWHM / FWTM 62.0 + 10.0° / 84.0 + 23.0°
Efficiency 91 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

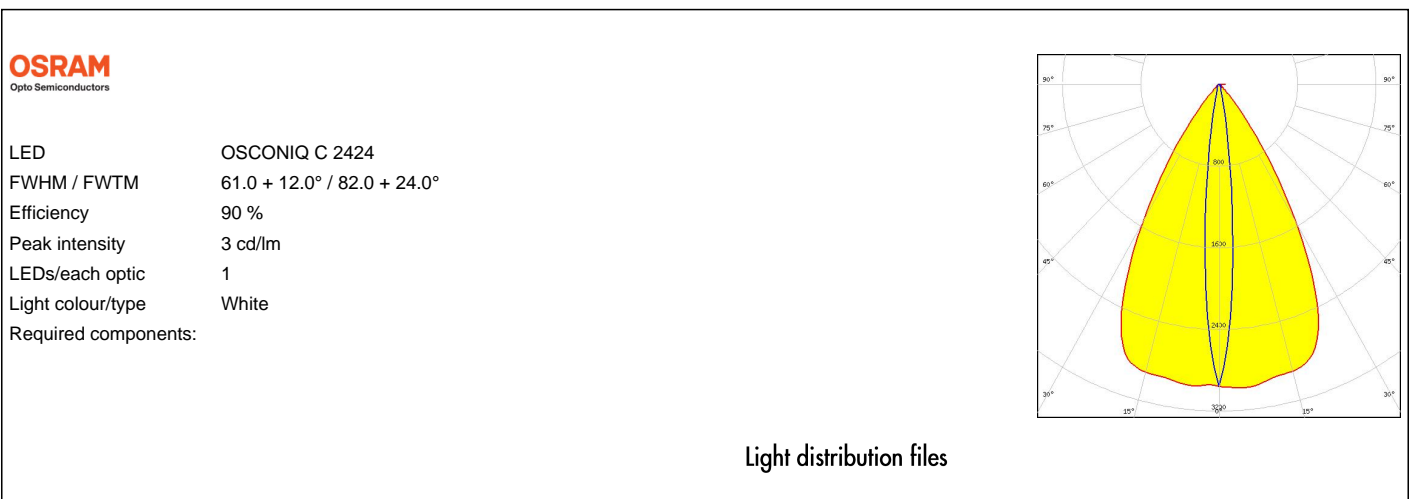
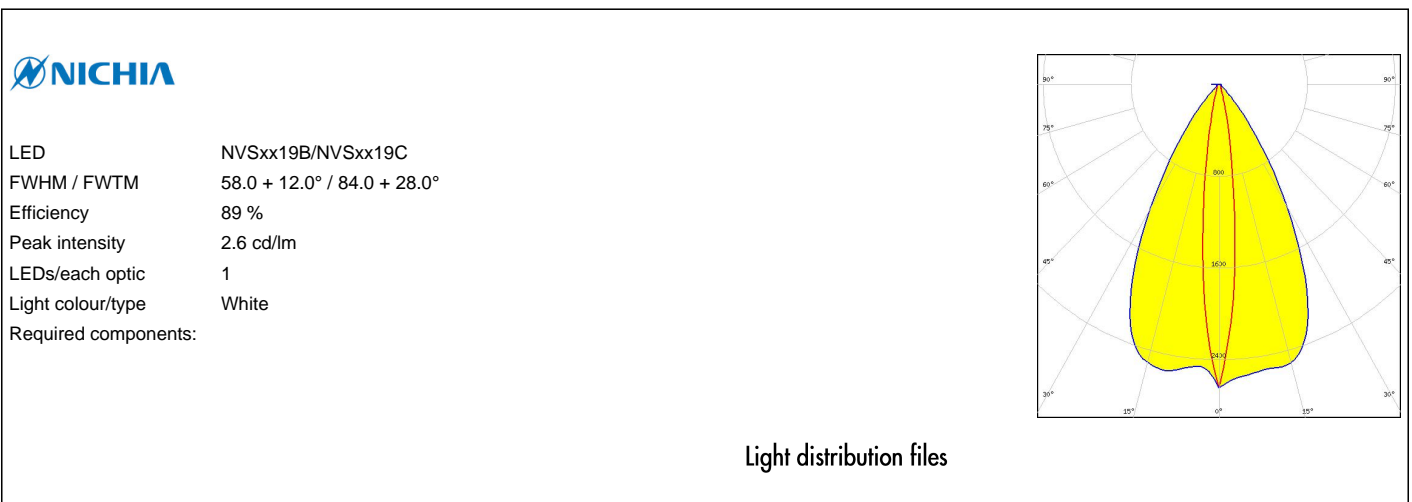
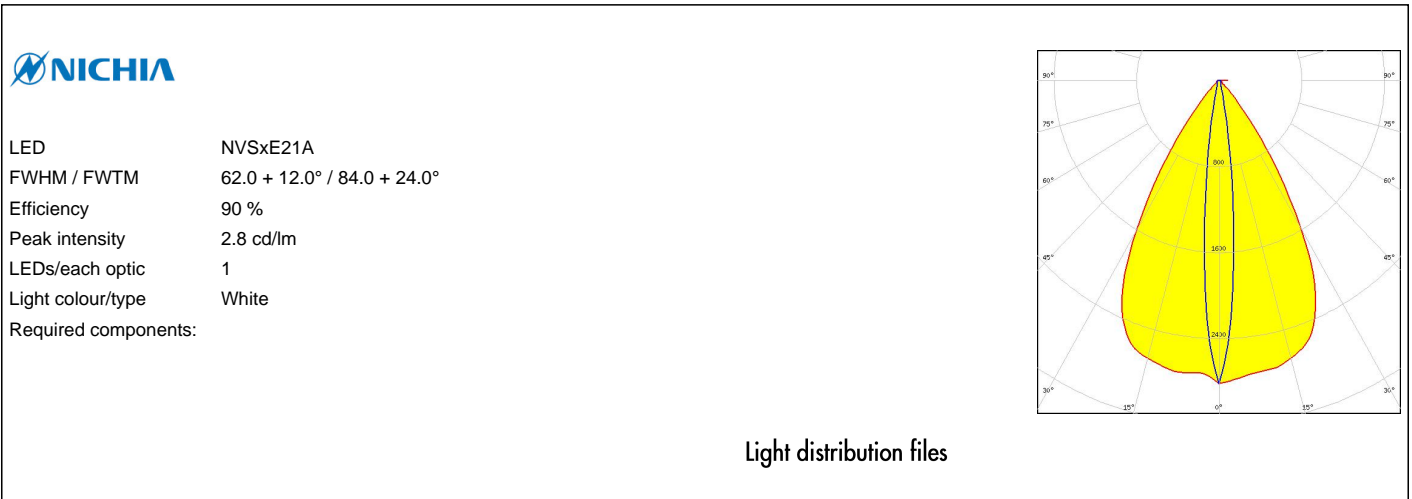


Light distribution files

OPTICAL RESULTS (SIMULATED):



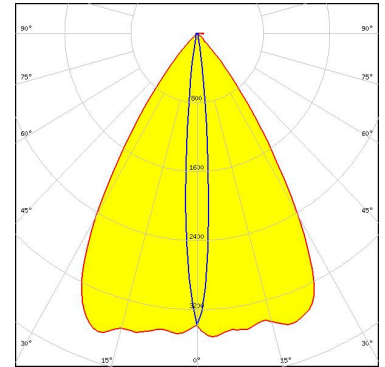
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

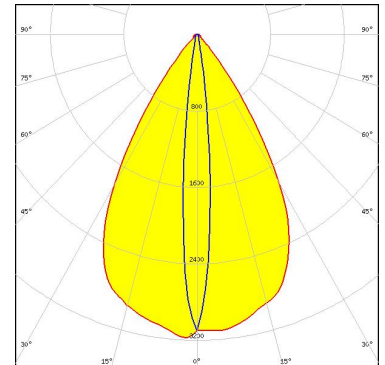
LED OSCONIQ P 3030
FWHM / FWTM 66.0 + 10.0° / 85.0 + 19.0°
Efficiency 91 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

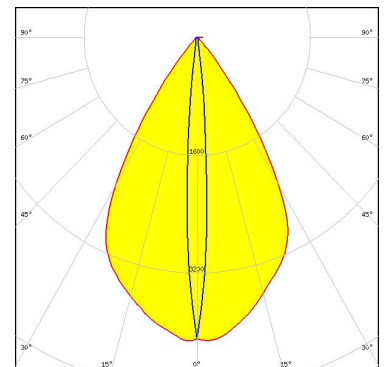
LED OSLON Black
FWHM / FWTM 62.0 + 10.0° / 83.0 + 20.0°
Efficiency %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)
FWHM / FWTM 62.0 + 8.0° / 82.0 + 16.0°
Efficiency 91 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

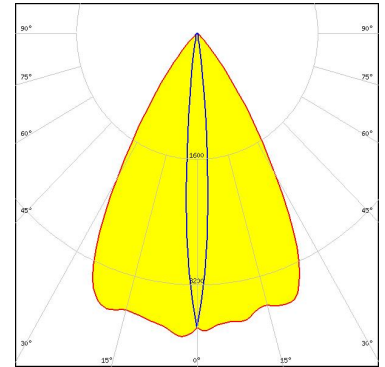


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

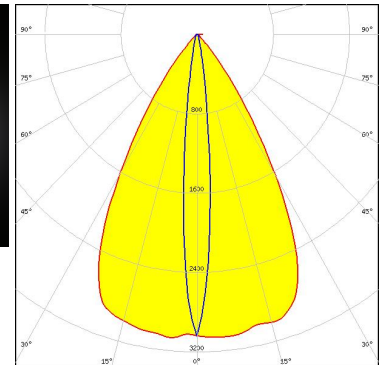
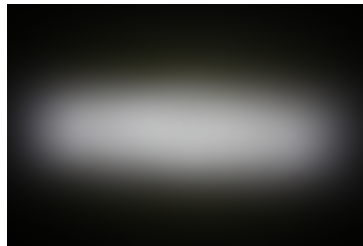
LED OSLON Signal
FWHM / FWTM 62.0 + 8.0° / 82.0 + 18.0°
Efficiency 90 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files

OSRAM
Opto Semiconductors

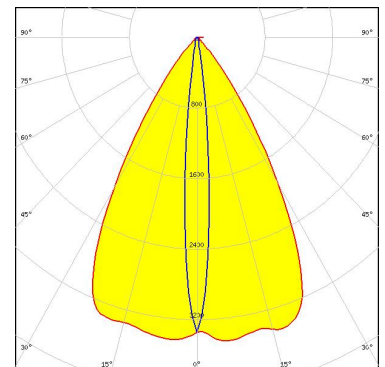
LED OSLON Square Flat
FWHM / FWTM 61.0 + 10.0° / 82.0 + 23.0°
Efficiency 89 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 62.0 + 10.0° / 83.0 + 20.0°
Efficiency 91 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

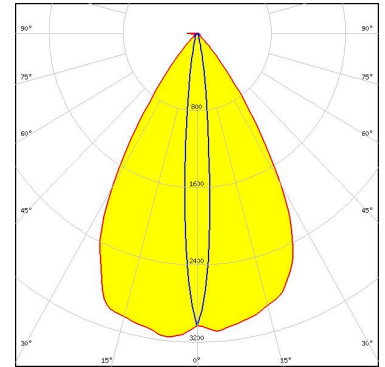


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 62.0 + 10.0° / 84.0 + 24.0°
Efficiency 90 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

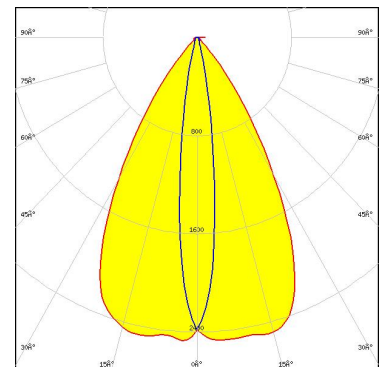
OSRAM
Opto Semiconductors

LED SFH 4770S
FWHM / FWTM 63.0 + 11.0° / 83.0 + 27.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files


SEUL
SEOUL SEMICONDUCTOR

LED Z5M4
FWHM / FWTM 62.0 + 14.0° / 84.0 + 30.0°
Efficiency 90 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):

 SEUL SEMICONDUCTOR	
LED	Z8Y22P
FWHM / FWTM	60.0 + 12.0° / 84.0 + 30.0°
Efficiency	93 %
Peak intensity	2.7 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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LEDiL Oy

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Shenzhen 518057
P.R.CHINA

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