

## TINA-Y-W

~36° wide beam. Assembly with holder,  
installation tape and pins

## SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	10 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

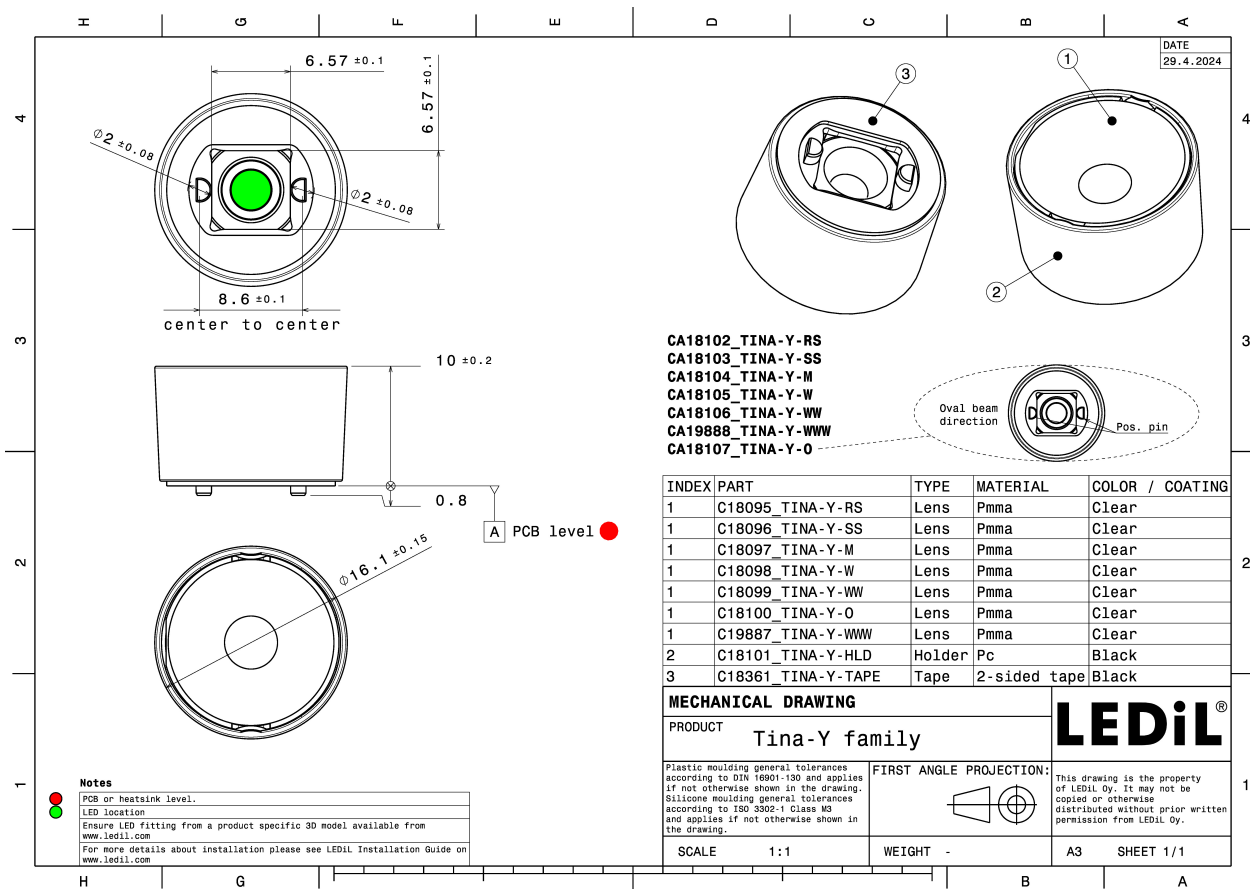


## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-Y-W	Single lens	PMMA	clear	gloss	
TINA-Y-HLD	Holder	PC	black	gloss	
TINA-Y-TAPE	Tape	Acrylic foam			

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18105_TINA-Y-W » Box size: 476 x 273 x 197 mm	3900	300	300	6.0

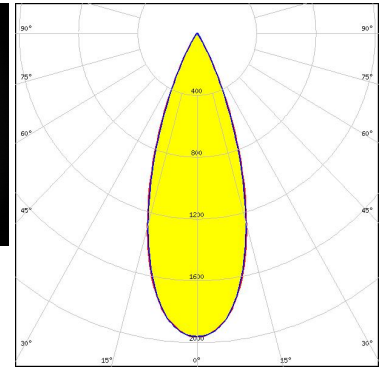
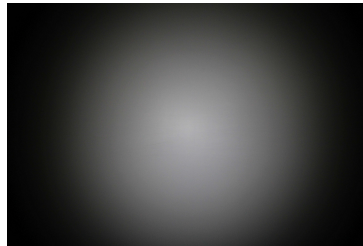


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



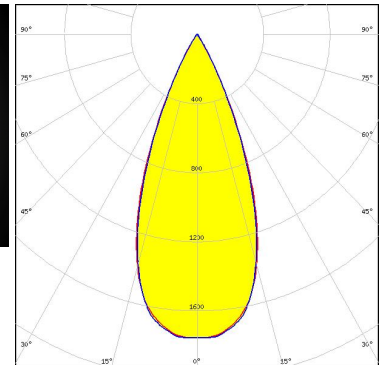
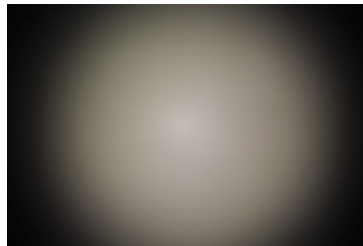
LED XP-G3  
 FWHM / FWTM 37.0° / 58.0°  
 Efficiency 79 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



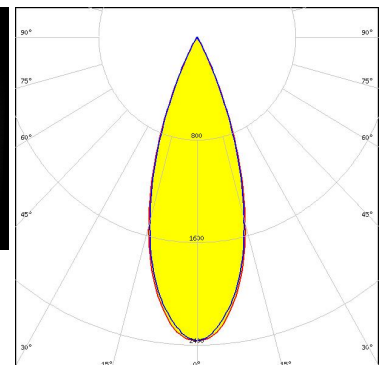
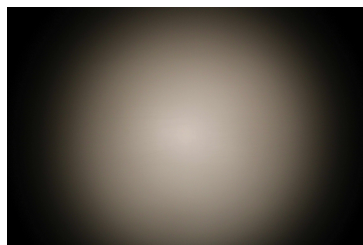
LED XP-G4  
 FWHM / FWTM 43.0° / 61.0°  
 Efficiency 85 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW719AC  
 FWHM / FWTM 36.0° / 55.0°  
 Efficiency 86 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

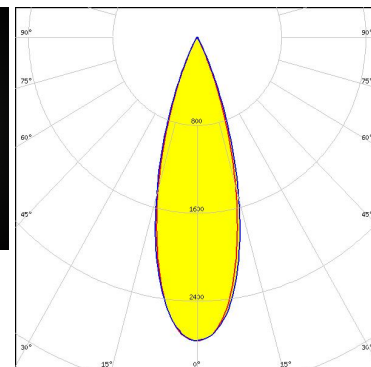
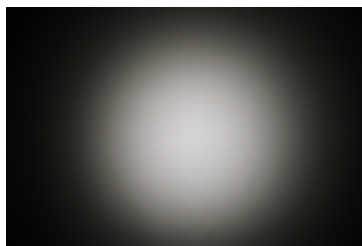


Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED OSCONIQ C 3030  
FWHM / FWTM 31.0° / 50.0°  
Efficiency 83 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



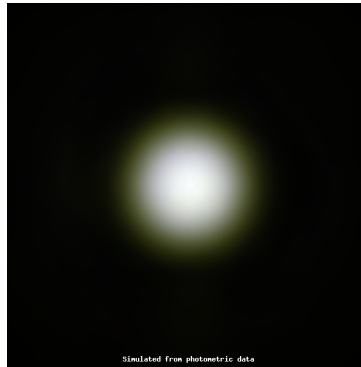
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



LED J Series 3030C  
 FWHM / FWTM 36.0° / 56.0°  
 Efficiency 86 %  
 Peak intensity 2.4 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

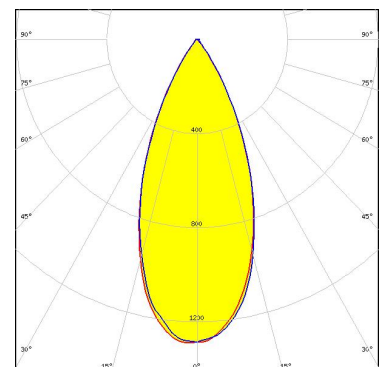


LED XE-G  
 FWHM / FWTM 42.0° / 58.0°  
 Efficiency 86 %  
 Peak intensity 1.9 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



LED XHP35.2 HD  
 FWHM / FWTM 44.0° / 70.0°  
 Efficiency 75 %  
 Peak intensity 1.3 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

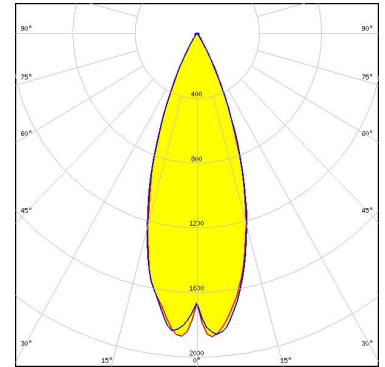


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



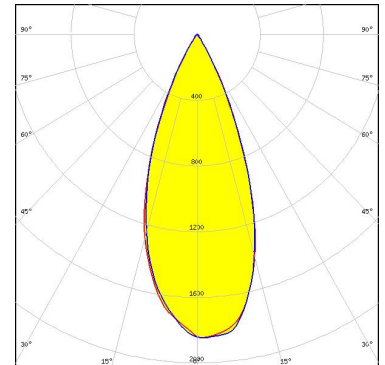
LED XHP35.2 HI  
FWHM / FWTM 37.0° / 58.0°  
Efficiency 77 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



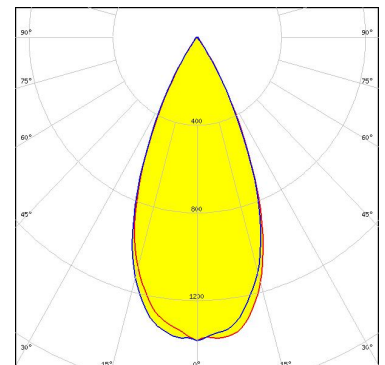
LED XM-L RGBW (XMLDCL HI)  
FWHM / FWTM 41.0° / 62.0°  
Efficiency 86 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:



Light distribution files



LED XM-L3  
FWHM / FWTM 45.0° / 67.0°  
Efficiency 80 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

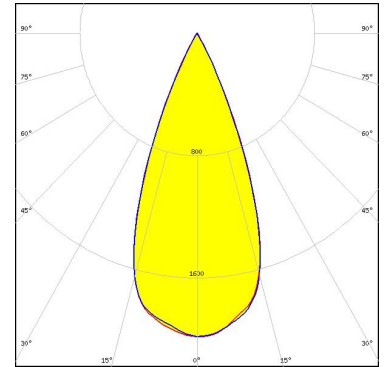


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



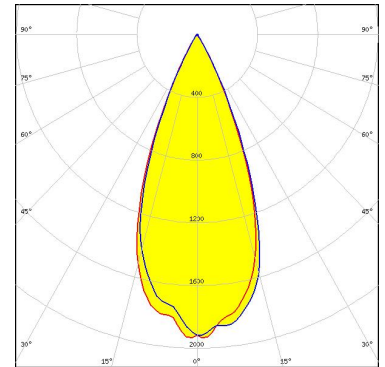
LED XP-E2  
 FWHM / FWTM 42.0° / 57.0°  
 Efficiency 88 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



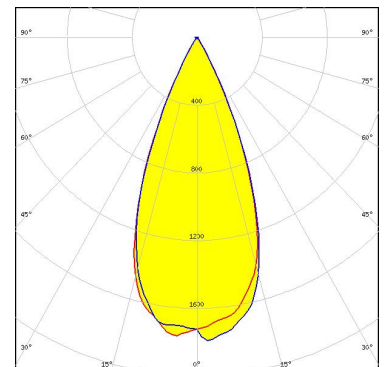
LED XP-G2  
 FWHM / FWTM 42.0° / 59.0°  
 Efficiency 87 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G4 HI  
 FWHM / FWTM 43.0 + 44.0° / 60.0°  
 Efficiency 86 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

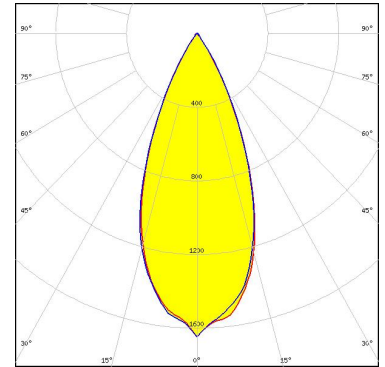


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



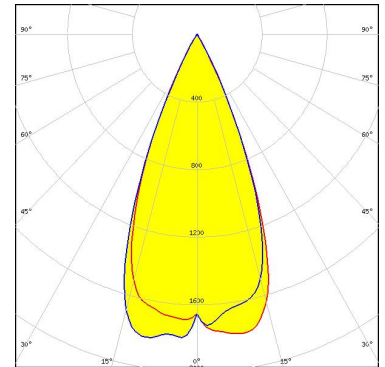
LED XP-L HD  
 FWHM / FWTM 42.0° / 66.0°  
 Efficiency 84 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



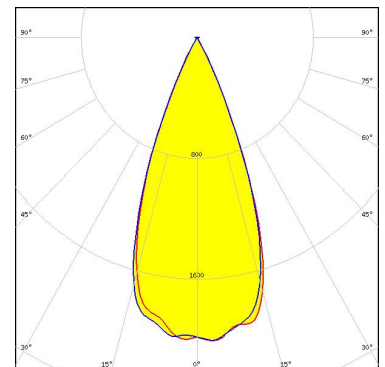
LED XQ-E HD  
 FWHM / FWTM 44.0° / 59.0°  
 Efficiency 88 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XQ-E HI  
 FWHM / FWTM 42.0° / 56.0°  
 Efficiency 87 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

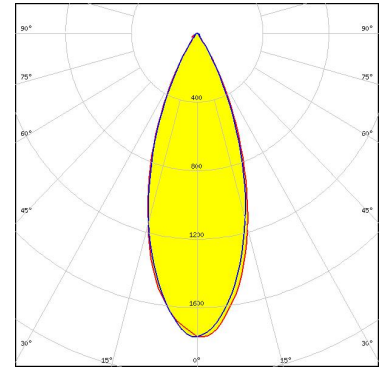


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



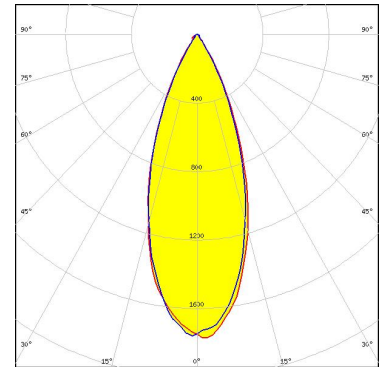
LED LUXEON 5050 Round LES  
 FWHM / FWTM 38.0° / 64.0°  
 Efficiency 82 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



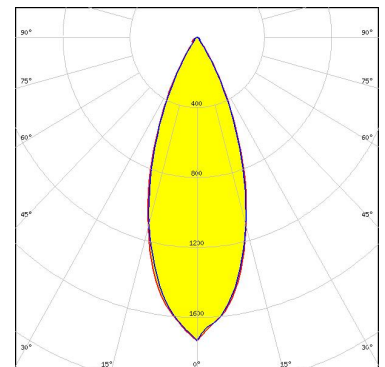
LED LUXEON 5050 Round LES  
 FWHM / FWTM 38.0° / 65.0°  
 Efficiency 82 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 Square LES  
 FWHM / FWTM 38.0° / 64.0°  
 Efficiency 81 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

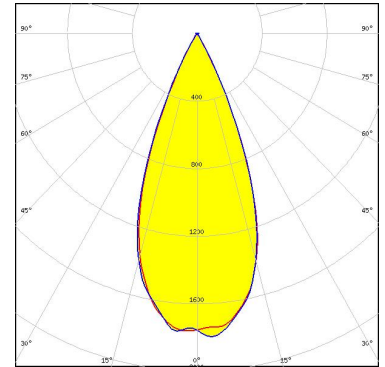


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



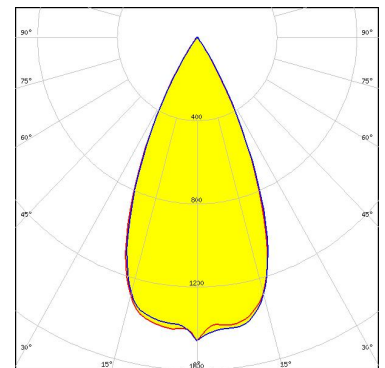
LED LUXEON C  
 FWHM / FWTM 42.0° / 58.0°  
 Efficiency 80 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



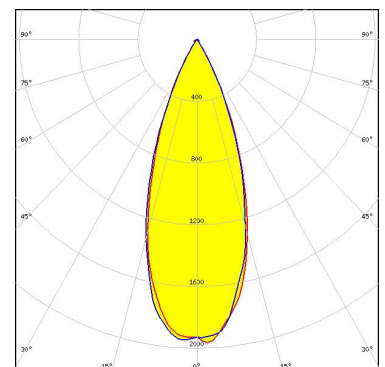
LED LUXEON HL2X  
 FWHM / FWTM 48.0° / 66.0°  
 Efficiency 86 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON MZ  
 FWHM / FWTM 37.0° / 60.0°  
 Efficiency 83 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

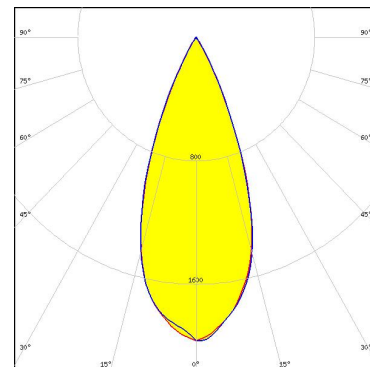


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



LED LUXEON TX  
 FWHM / FWTM 40.0° / 59.0°  
 Efficiency 85 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

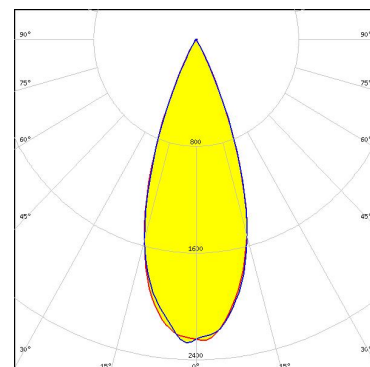


LED SST-10-UV-X130  
 FWHM / FWTM 38.0° / 54.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour/type UV-A  
 Required components:

Light distribution files



LED SST-20  
 FWHM / FWTM 38.0° / 56.0°  
 Efficiency 86 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

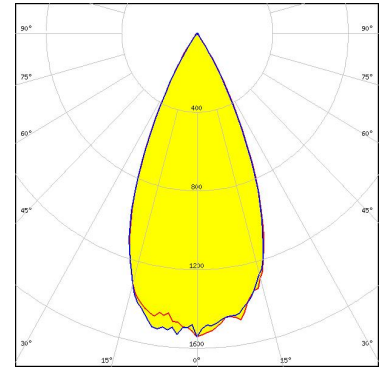


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



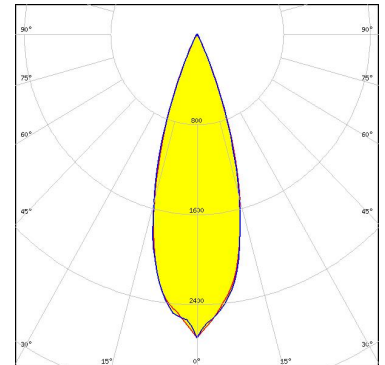
LED NVSW219F  
 FWHM / FWTM 46.0° / 65.0°  
 Efficiency 86 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



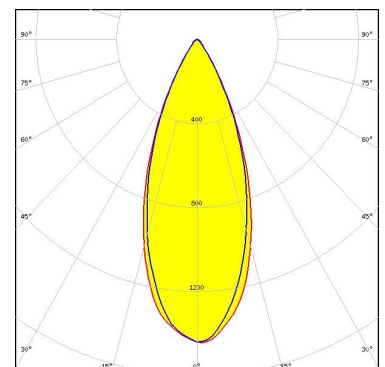
LED NVSxE21A  
 FWHM / FWTM 32.0° / 50.0°  
 Efficiency 81 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Duris S8  
 FWHM / FWTM 39.0° / 69.0°  
 Efficiency 77 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



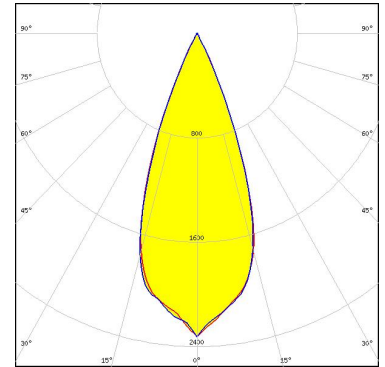
Light distribution files



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

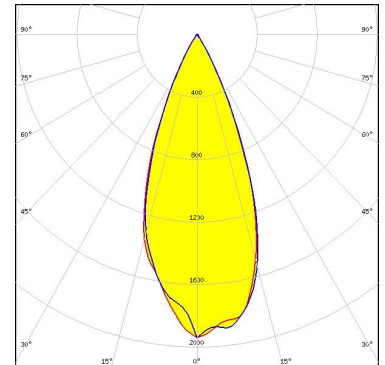
LED OSLON Pure 1414  
FWHM / FWTM 40.0° / 54.0°  
Efficiency 89 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

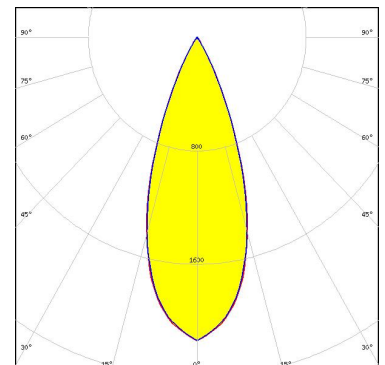
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 41.0° / 60.0°  
Efficiency 86 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 36.0° / 58.0°  
Efficiency 86 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

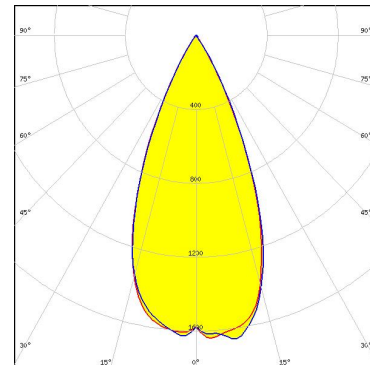


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

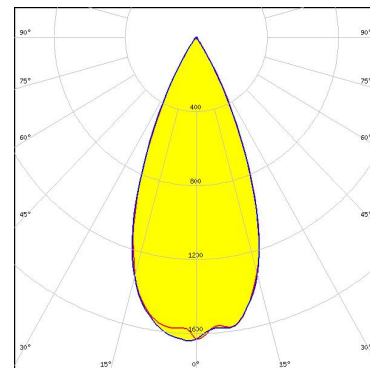
LED LH351B  
FWHM / FWTM 45.0° / 64.0°  
Efficiency 87 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### SAMSUNG

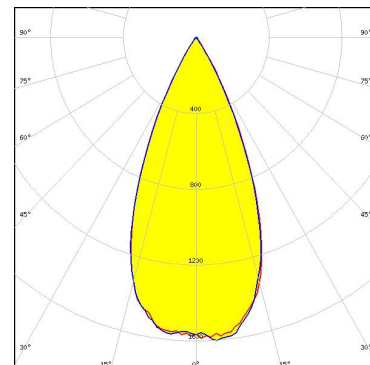
LED LH351B  
FWHM / FWTM 44.0° / 64.0°  
Efficiency 86 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### SAMSUNG

LED LH351C  
FWHM / FWTM 45.0° / 65.0°  
Efficiency 87 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

## OPTICAL RESULTS (SIMULATED):

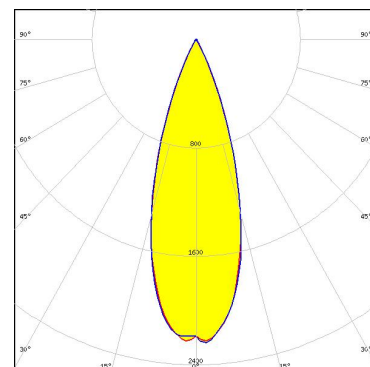
### SAMSUNG

LED	LM301B
FWHM / FWTM	34.0° / 52.0°
Efficiency	87 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files



LED	Z8Y22
FWHM / FWTM	34.0° / 54.0°
Efficiency	74 %
Peak intensity	2.3 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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#### Shipping locations

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#### Distribution Partners

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