

## DAHIA-TL110

~120° wide beam

## SPECIFICATION:

Dimensions	321.0 x 80.5
Height	11 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

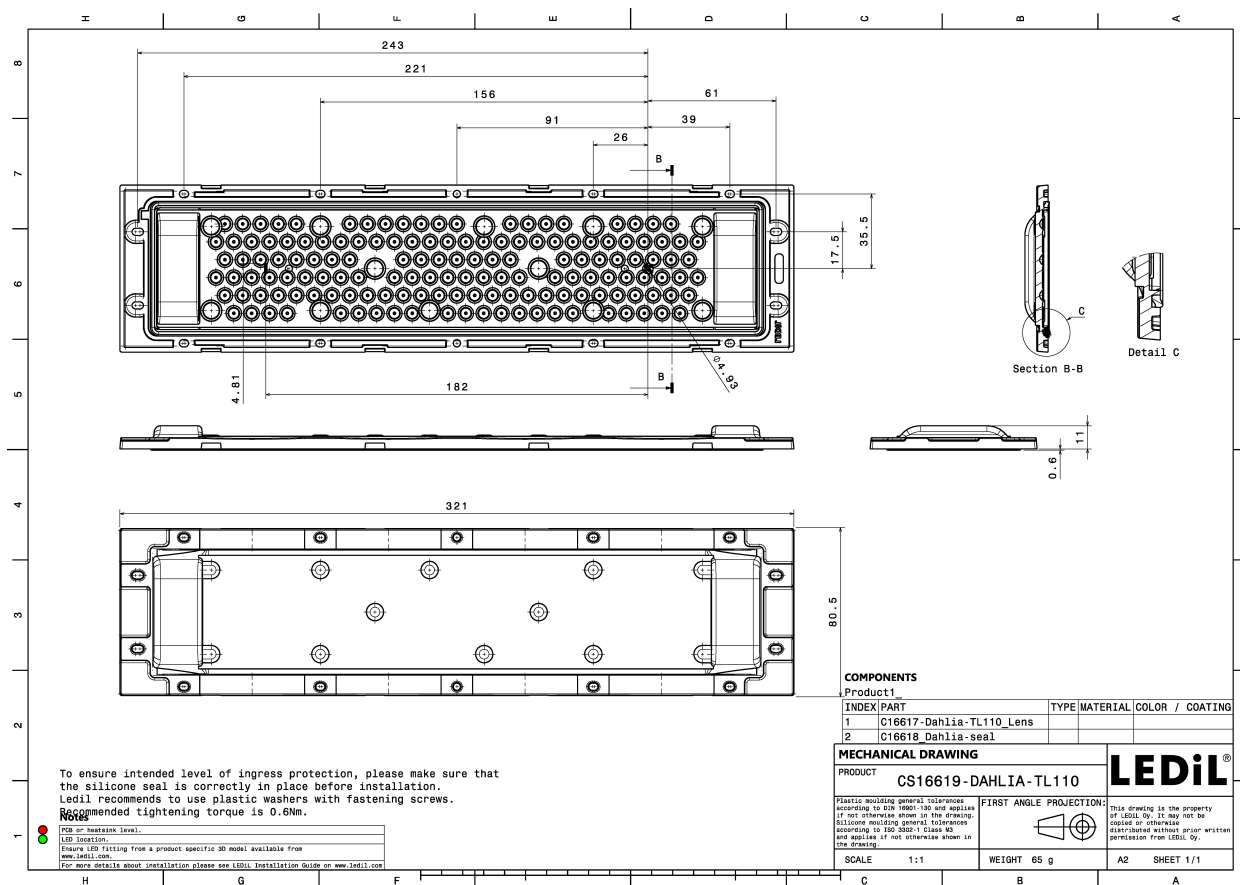
## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
DAHIA-TL110	Multi-lens	PMMA	clear		
DAHIA-TL-SEAL	Seal	Silicone			



## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CS16619_DAHIA-TL110	80	80	4	8.9
» Box size: 343 x 343 x 298 mm				

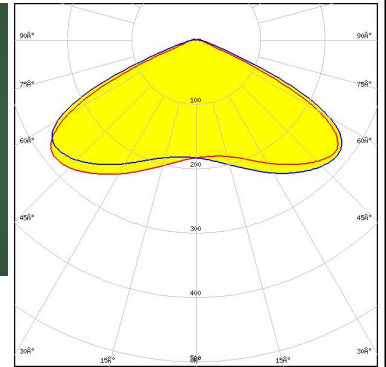


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

**CEZOS**

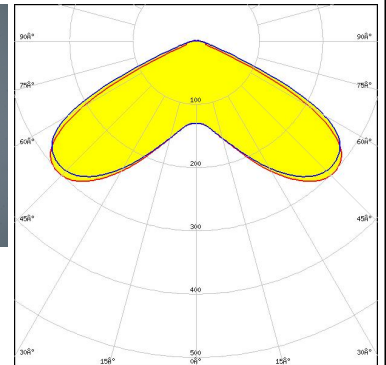
LED L0-278053-HW-C2800-K414  
 FWHM / FWTM 130.0° / 143.0°  
 Efficiency 96 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**CEZOS**

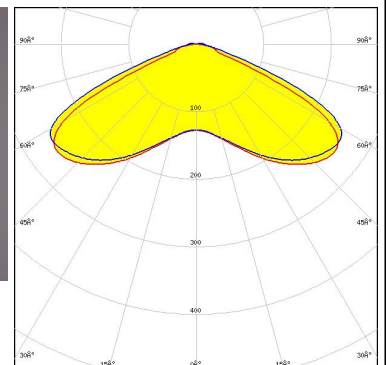
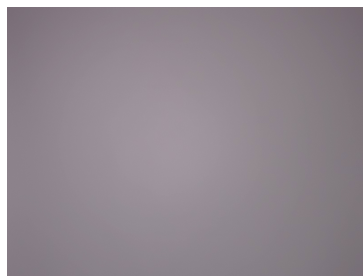
LED L0-278053-RGBW-C2000-K409  
 FWHM / FWTM 127.0° / 138.0°  
 Efficiency 95 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files

**CEZOS**

LED L0-278053-RGBW-C2100-K411  
 FWHM / FWTM 133.0° / 156.0°  
 Efficiency 92 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:

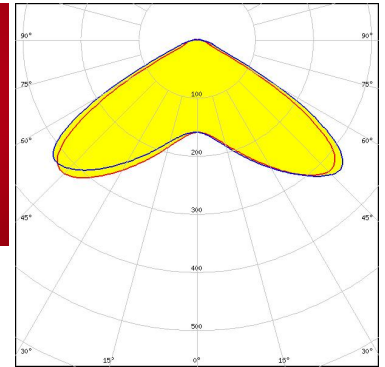


Light distribution files

#### OPTICAL RESULTS (MEASURED):



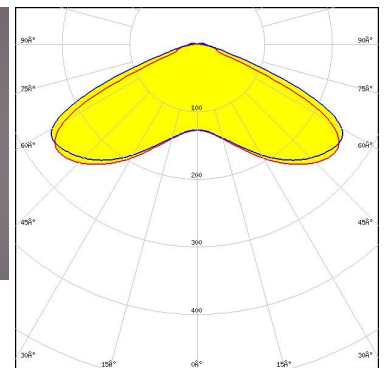
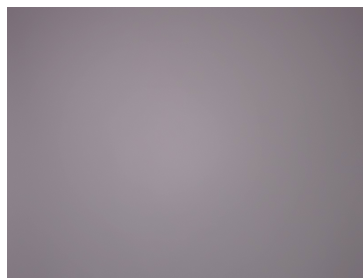
LED L0-278053-RRRR-C1000-K237  
 FWHM / FWTM 122.0° / 142.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type Red  
 Required components:



Light distribution files



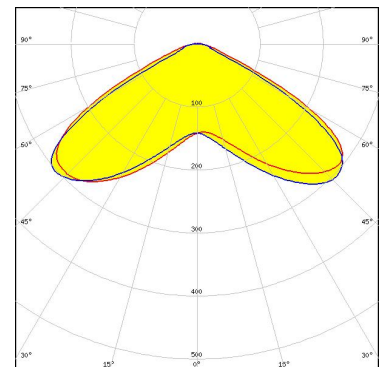
LED LUXEON C  
 FWHM / FWTM 133.0° / 156.0°  
 Efficiency 92 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files



LED SST-10-B130  
 FWHM / FWTM 123.0° / 140.0°  
 Efficiency 93 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type Deep Red  
 Required components:

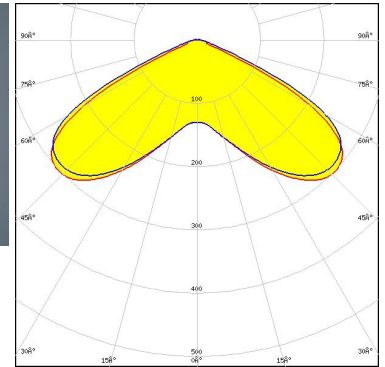


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

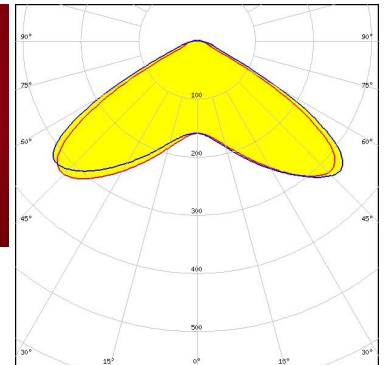
LED OSLON Pure 1414  
FWHM / FWTM 127.0° / 138.0°  
Efficiency 95 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

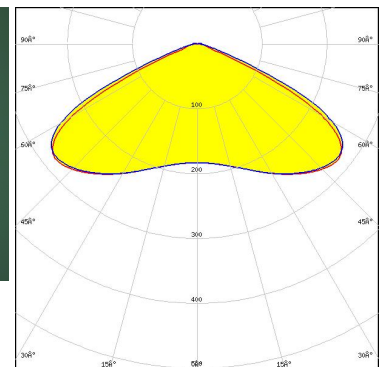
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 122.0° / 142.0°  
Efficiency 94 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type Hyper Red  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square GW CSSRM4.HW  
FWHM / FWTM 130.0° / 143.0°  
Efficiency 96 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

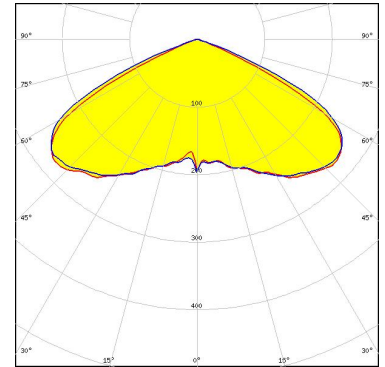


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



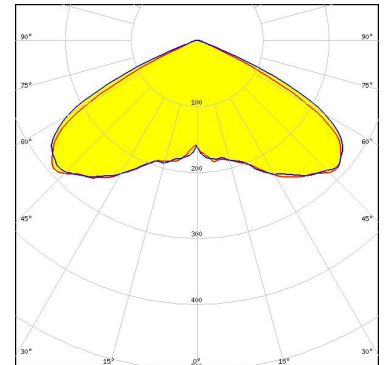
LED J Series 2835  
 FWHM / FWTM 129.0° / 140.0°  
 Efficiency 92 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



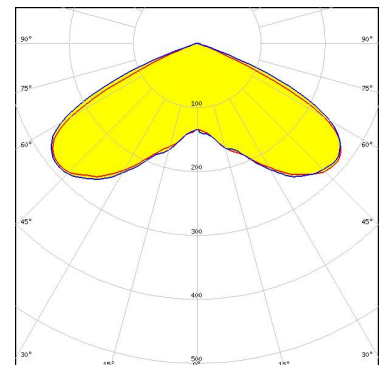
LED J Series 3030  
 FWHM / FWTM 126.0° / 138.0°  
 Efficiency 91 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 2835 Line  
 FWHM / FWTM 118.0° / 133.0°  
 Efficiency 93 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

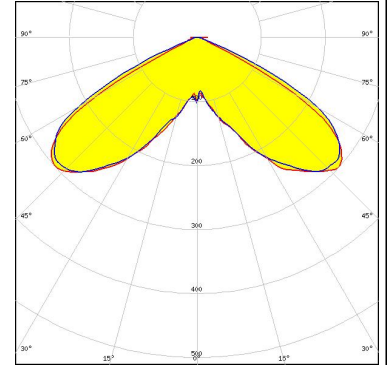


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



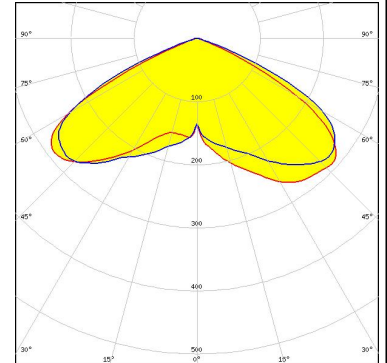
LED NCSxE17A  
 FWHM / FWTM 124.0° / 135.0°  
 Efficiency 87 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type Green  
 Required components:



Light distribution files



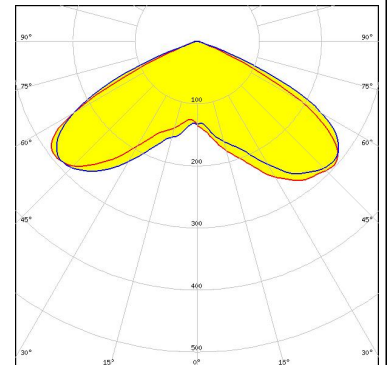
LED NF2x757G  
 FWHM / FWTM 127.0° / 140.0°  
 Efficiency 92 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NFSx757G  
 FWHM / FWTM 127.0° / 140.0°  
 Efficiency 93 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



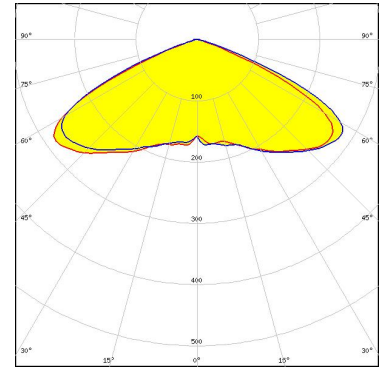
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



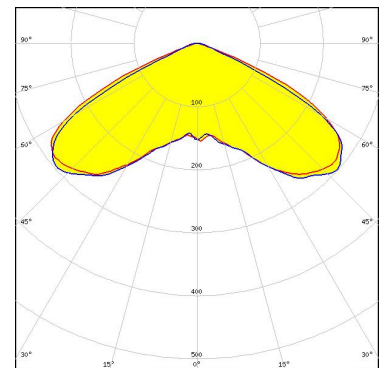
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 132.0° / 144.0°  
 Efficiency 93 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



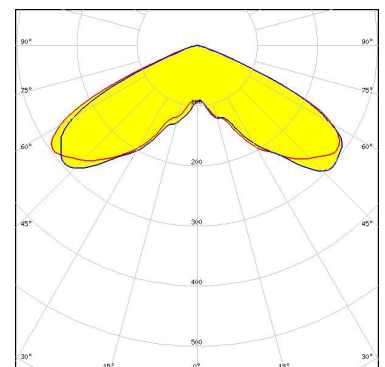
LED Duris S5 (Single chip)  
 FWHM / FWTM 128.0° / 141.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSCONIQ P 3030  
 FWHM / FWTM 129.0° / 142.0°  
 Efficiency 93 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



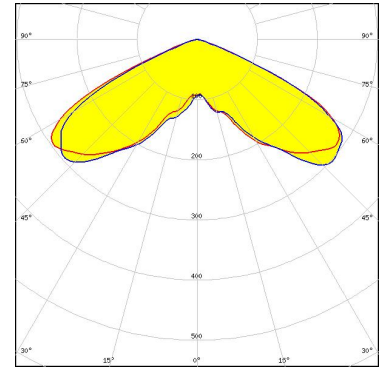
Light distribution files



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

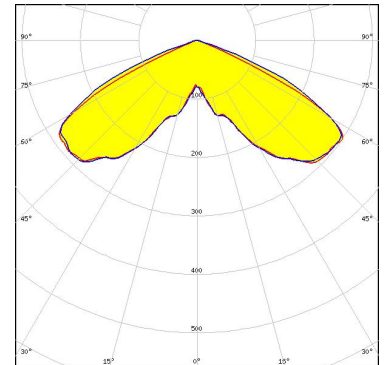
LED OSCONIQ P 3030  
FWHM / FWTM 128.0° / 142.0°  
Efficiency 94 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type Hyper Red  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

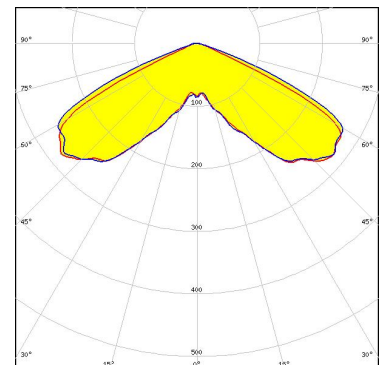
LED OSLO Pure 1414  
FWHM / FWTM 128.0 + 133.0° / 136.0 + 144.0°  
Efficiency 93 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLO Pure 1414  
FWHM / FWTM 128.0 + 134.0° / 138.0 + 146.0°  
Efficiency 89 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:

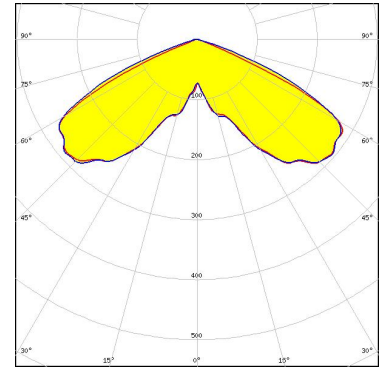


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

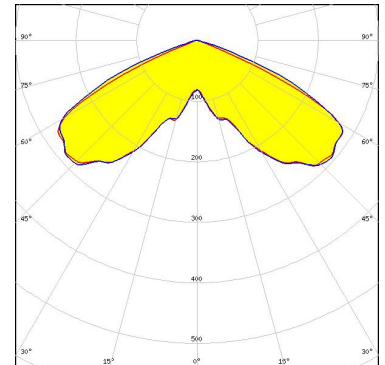
LED OSLON Pure 1414  
FWHM / FWTM 130.0 + 134.0° / 138.0 + 146.0°  
Efficiency 93 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type Deep Blue  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

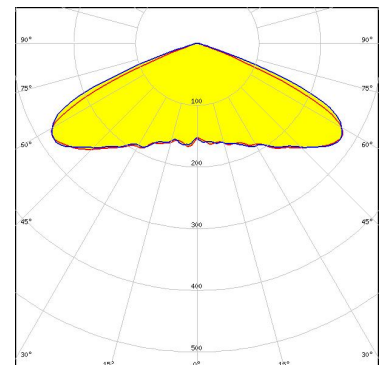
LED OSLON Pure 1414  
FWHM / FWTM 130.0 + 134.0° / 138.0 + 146.0°  
Efficiency 93 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type Green  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 135.0° / 145.0°  
Efficiency 93 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour/type Hyper Red  
Required components:

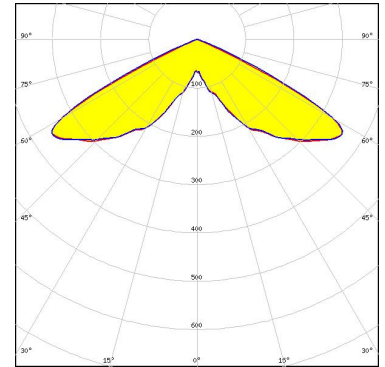


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



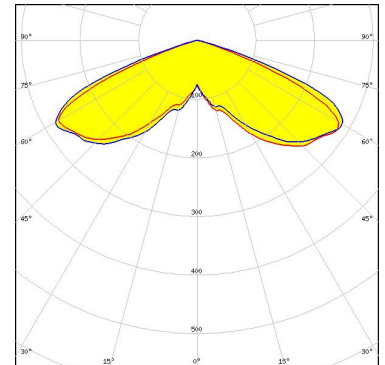
LED OSLON SSL 120  
 FWHM / FWTM 127.0° / 135.0°  
 Efficiency 95 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type Hyper Red  
 Required components:



Light distribution files



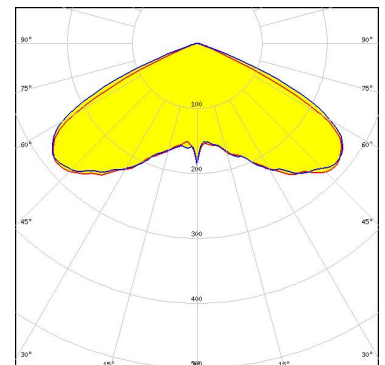
LED OSLON SSL 150  
 FWHM / FWTM 137.0° / 146.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SEOUL DC 3030  
 FWHM / FWTM 129.0° / 140.0°  
 Efficiency 92 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### OPTICAL RESULTS (SIMULATED):



### 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.

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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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#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Poznan, Poland  
Hong Kong, China

#### Distribution Partners

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where\\_to\\_buy](http://www.ledil.com/where_to_buy)