

## HEIDI-O

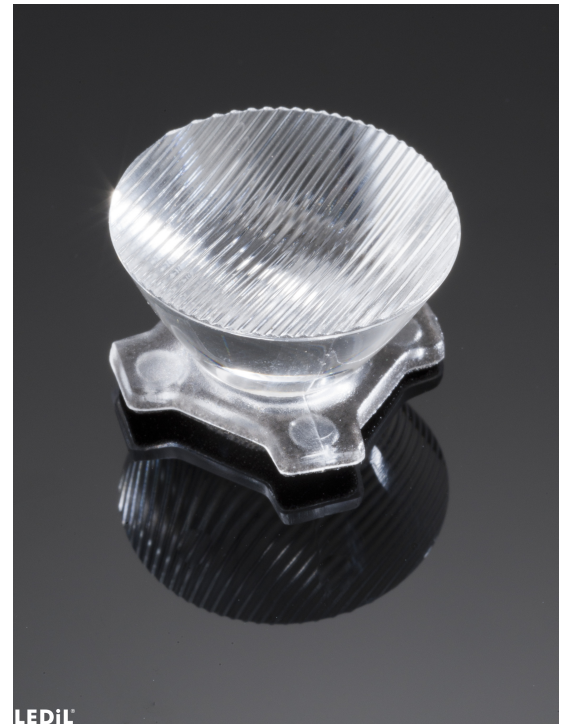
~50° x 11° oval beam

## SPECIFICATION:

Dimensions	Ø 21.6
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

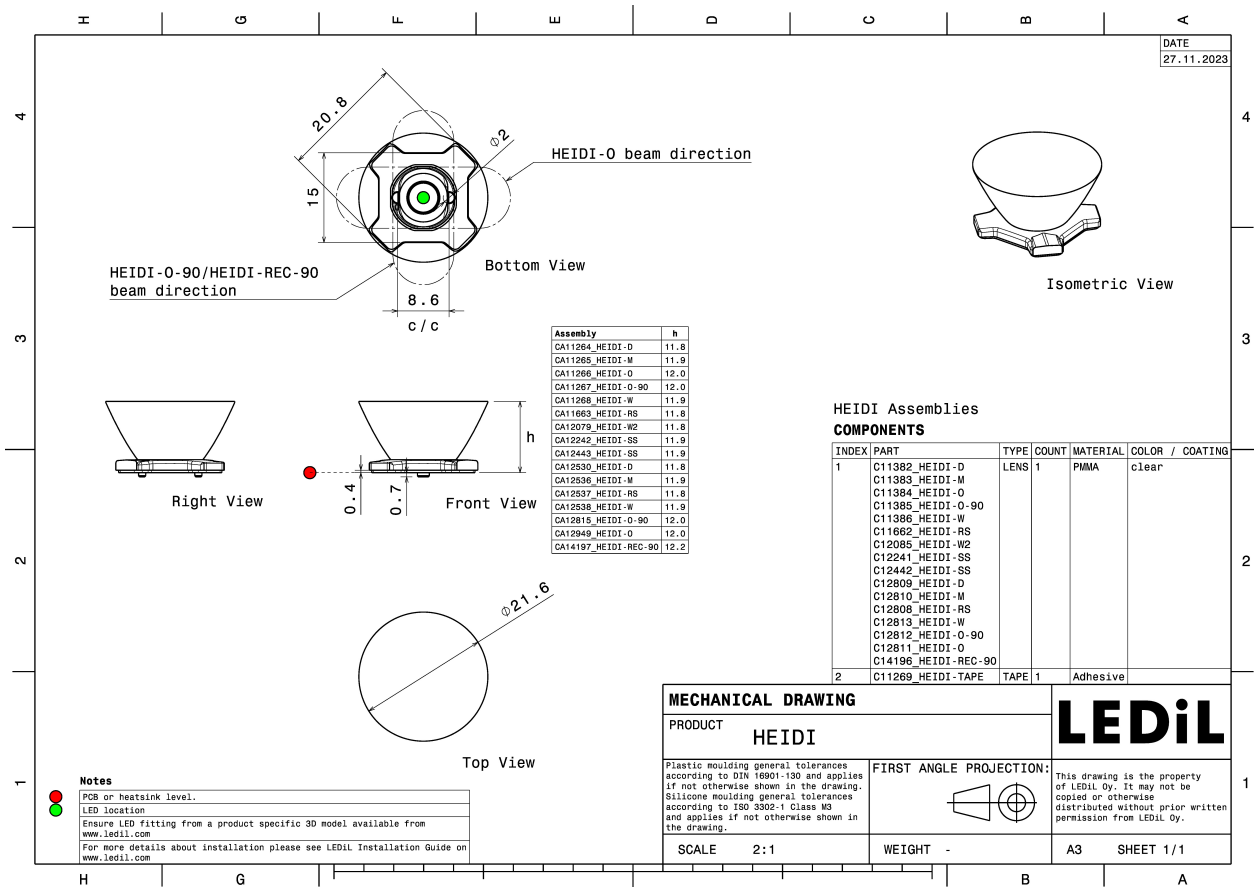
## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HEIDI-O	Single lens	PMMA	clear		
HEIDI-TAPE	Tape	Acryl tape	black		



## ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12949_HEIDI-O	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					

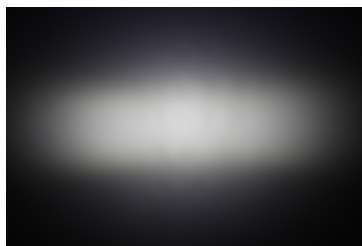


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



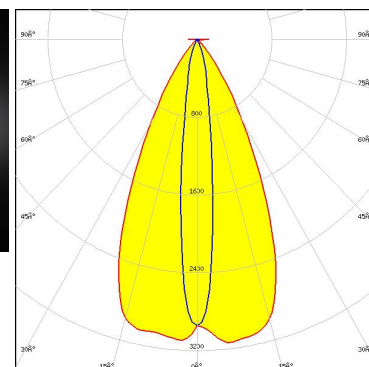
LED XHP35 HD  
FWHM / FWTM 51.0 + 18.0° / 84.0 + 50.0°  
Efficiency 77 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



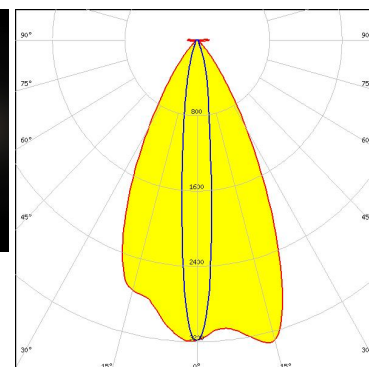
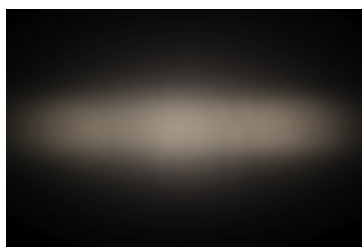
LED XHP35 HI  
FWHM / FWTM 53.0 + 14.0° / 80.0 + 40.0°  
Efficiency 79 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G2  
FWHM / FWTM 52.0 + 12.0° / 78.0 + 33.0°  
Efficiency 91 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

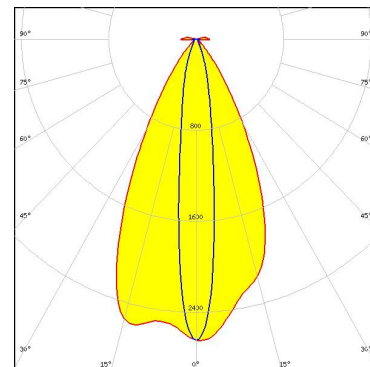


Light distribution files

### OPTICAL RESULTS (MEASURED):



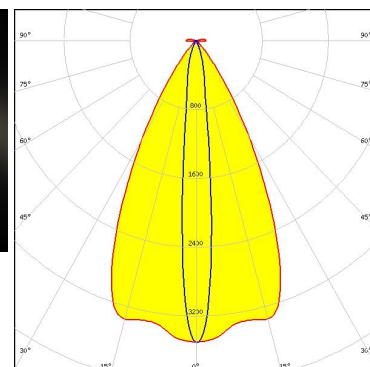
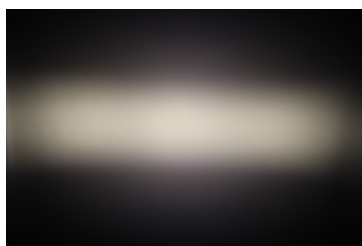
LED XP-G3  
FWHM / FWTM 51.0 + 14.0° / 79.0 + 39.0°  
Efficiency 90 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



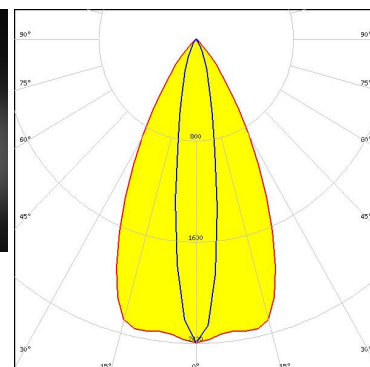
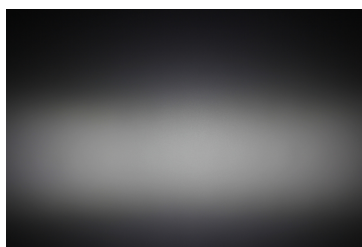
LED XP-G4  
FWHM / FWTM 54.0 + 11.5° / 77.0 + 31.0°  
Efficiency 92 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-L HD  
FWHM / FWTM 52.0 + 16.0° / 79.0 + 41.0°  
Efficiency 81 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



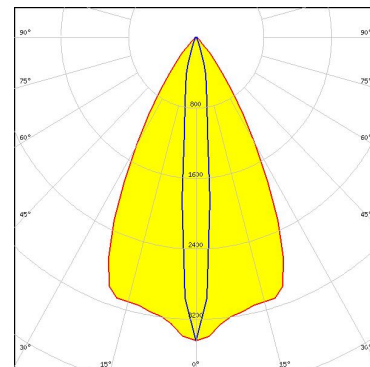
Light distribution files



### OPTICAL RESULTS (MEASURED):



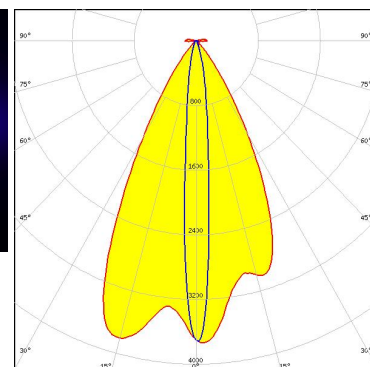
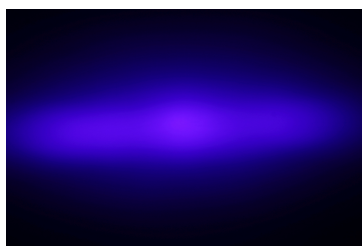
LED LUXEON Rebel ES  
FWHM / FWTM 53.0 + 12.0° / 76.0 + 33.0°  
Efficiency 82 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



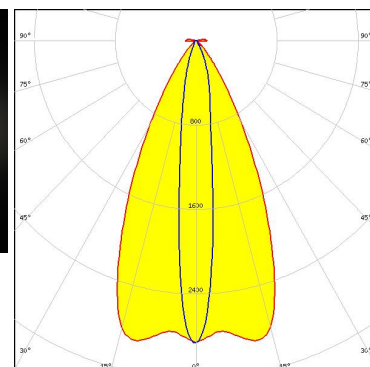
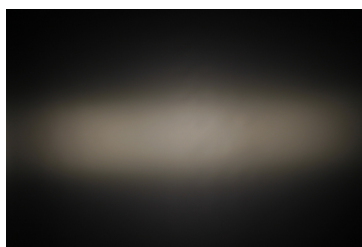
LED SST-10-B130  
FWHM / FWTM 54.0 + 9.5° / 77.0 + 28.0°  
Efficiency 90 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour/type Blue  
Required components:



Light distribution files



LED NVSW219D  
FWHM / FWTM 51.0 + 13.0° / 78.0 + 40.0°  
Efficiency 91 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

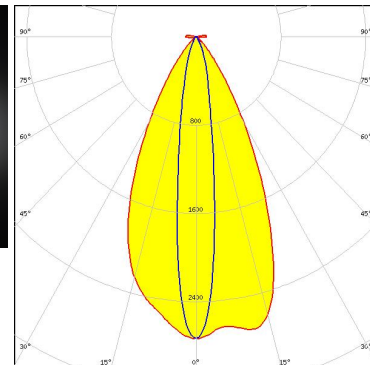
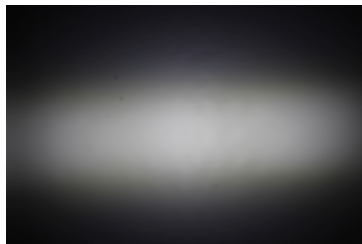


Light distribution files

### OPTICAL RESULTS (MEASURED):



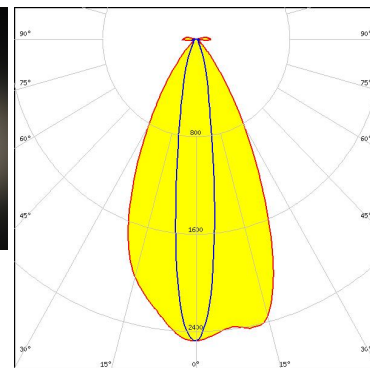
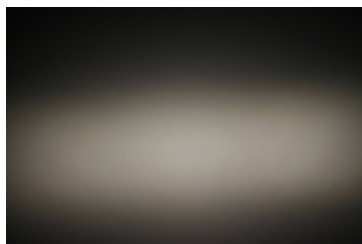
LED NVSW319B  
FWHM / FWTM 51.0 + 15.0° / 80.0 + 38.0°  
Efficiency 91 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



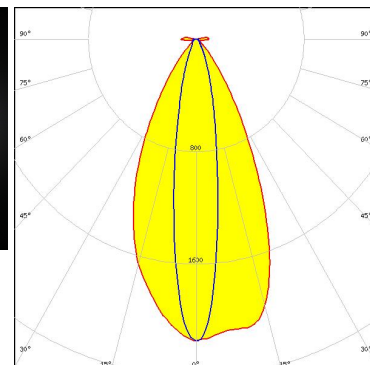
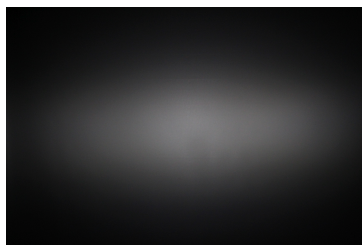
LED NVSW3x9A  
FWHM / FWTM 51.0 + 15.0° / 80.0 + 39.0°  
Efficiency 89 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NVSW519A  
FWHM / FWTM 50.0 + 18.0° / 81.0 + 44.0°  
Efficiency 87 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

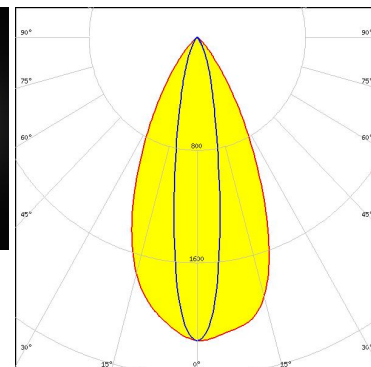
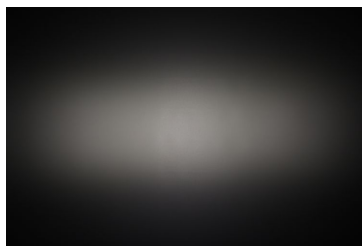


Light distribution files

### OPTICAL RESULTS (MEASURED):



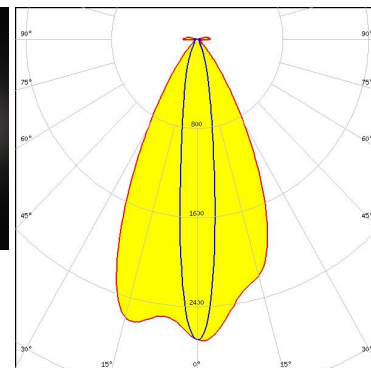
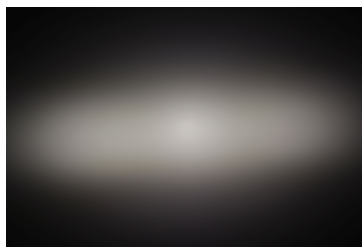
LED NWSx229A  
FWHM / FWTM 50.0 + 18.0° / 80.0 + 44.0°  
Efficiency 76 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



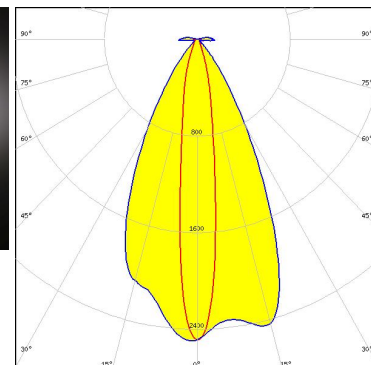
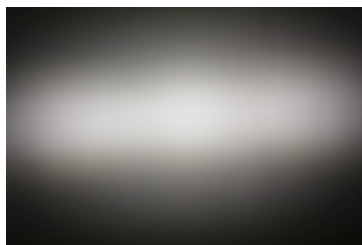
LED Z5M3  
FWHM / FWTM 52.0 + 13.0° / 79.0 + 39.0°  
Efficiency 92 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED Z8Y22P  
FWHM / FWTM 52.0 + 14.0° / 79.0 + 39.0°  
Efficiency 90 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

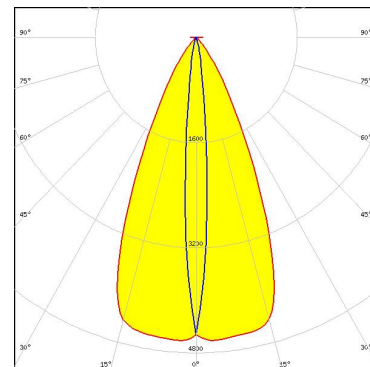


Light distribution files

### OPTICAL RESULTS (SIMULATED):



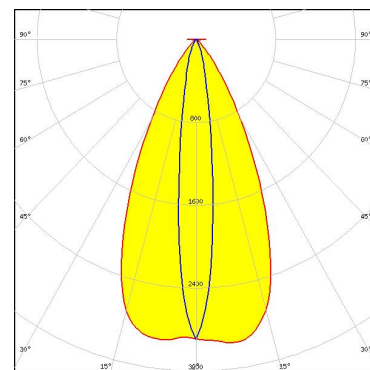
LED XP-E2 Amber  
 FWHM / FWTM 48.0 + 8.0° / 74.0 + 21.0°  
 Efficiency 91 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G2 HE  
 FWHM / FWTM 50.0 + 14.0° / 78.0 + 35.0°  
 Efficiency 88 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



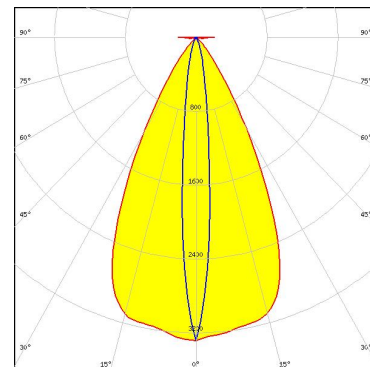
LED LUXEON A  
 FWHM / FWTM 51.0 + 12.0° / 76.0 + 30.0°  
 Efficiency 84 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED LUXEON HL2Z  
FWHM / FWTM 54.0 + 10.0° / 76.0 + 28.0°  
Efficiency 89 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

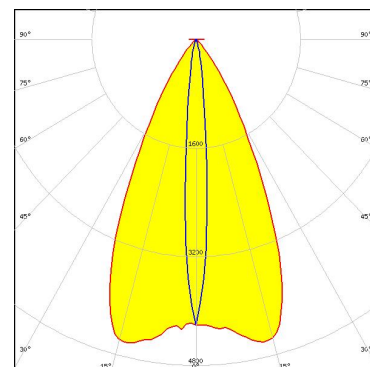


LED LUXEON R  
FWHM / FWTM 53.0 + 12.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



LED LUXEON SunPlus 20 Line (120 deg)  
FWHM / FWTM 52.0 + 9.0° / 76.0 + 22.0°  
Efficiency 91 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

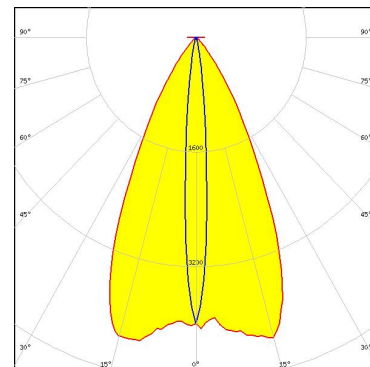


Light distribution files

### OPTICAL RESULTS (SIMULATED):



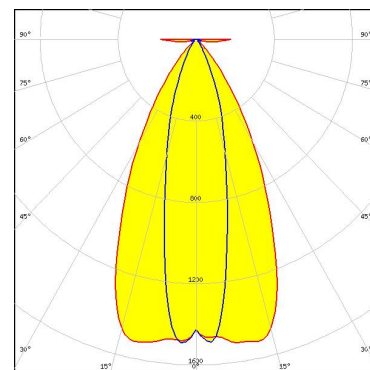
LED LUXEON SunPlus 20 Line (150 deg)  
 FWHM / FWTM 52.0 + 10.0° / 76.0 + 20.0°  
 Efficiency 87 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



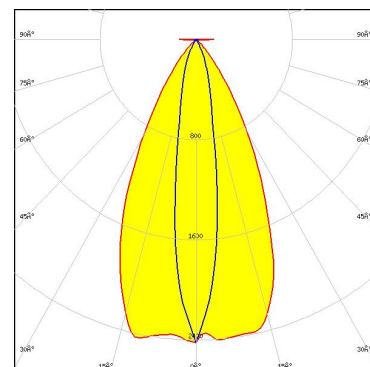
LED NCSxE17A  
 FWHM / FWTM 54.0 + 24.0° / 180.0 + 54.0°  
 Efficiency 81 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:



Light distribution files



LED NV4WB35AM  
 FWHM / FWTM 52.0 + 16.0° / 80.0 + 42.0°  
 Efficiency 87 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

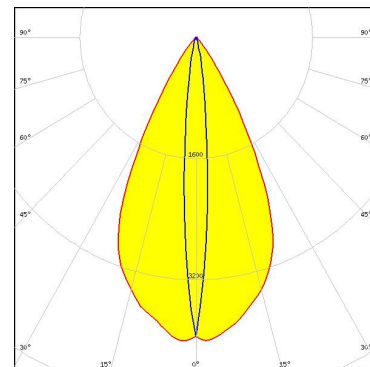


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

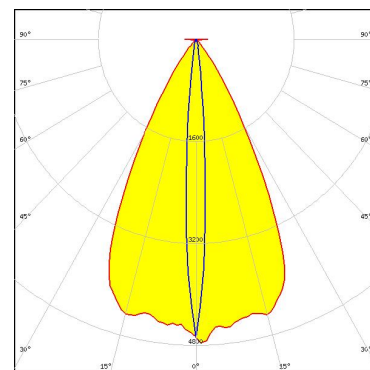
LED OSLON Black  
FWHM / FWTM 53.0 + 9.0° / 54.0 + 23.0°  
Efficiency 88 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

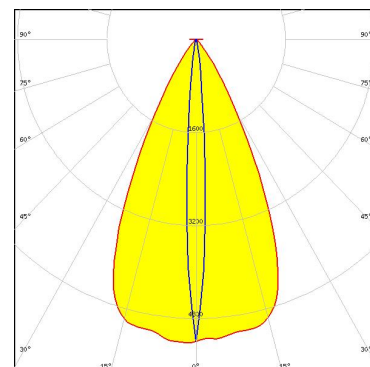
LED OSLON Black Flat (LUW HWQP)  
FWHM / FWTM 54.0 + 8.0° / 74.0 + 18.0°  
Efficiency 89 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Pure 1414  
FWHM / FWTM 52.0 + 8.0° / 74.0 + 17.0°  
Efficiency 93 %  
Peak intensity 5.2 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.

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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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P.R.CHINA

#### 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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