

## LEIA-S

~3° spot beam

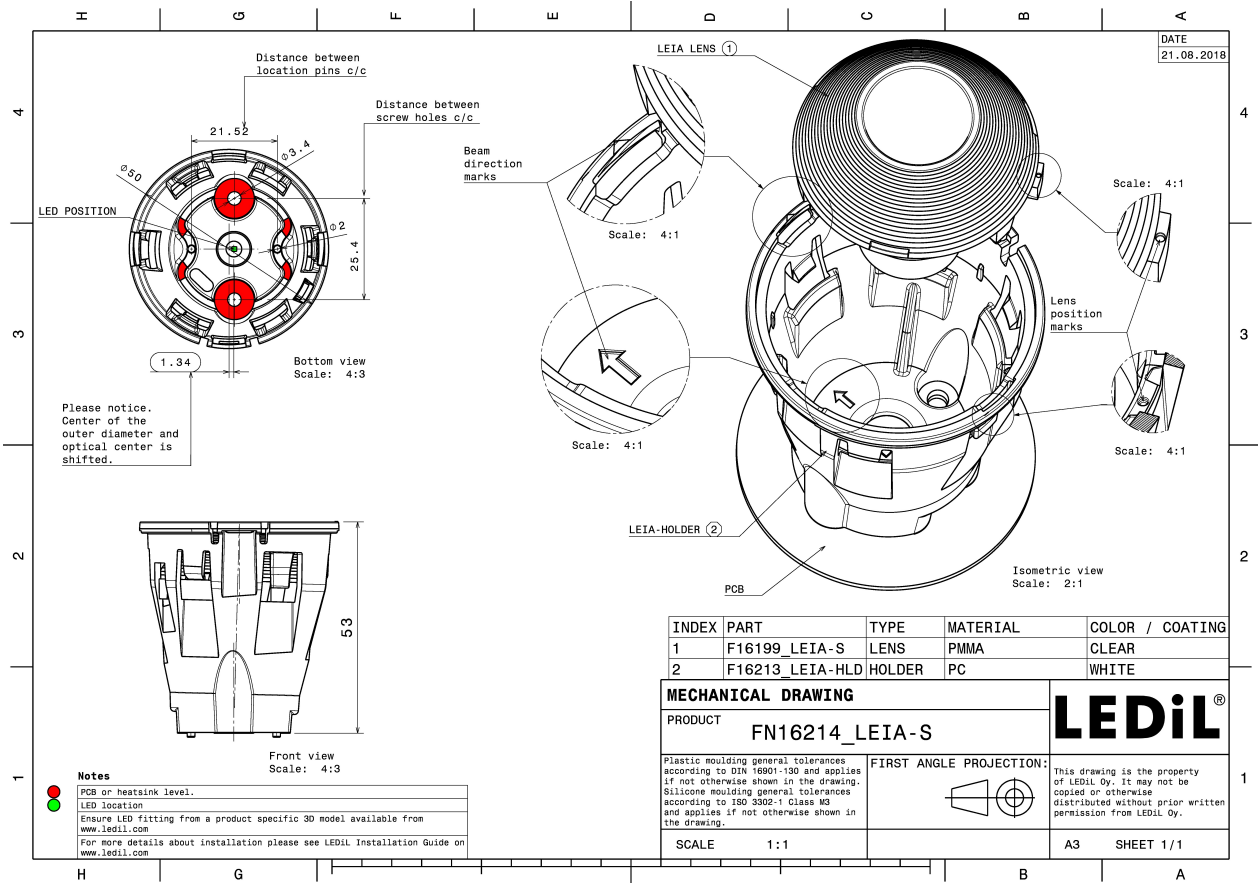
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	53 mm
Fastening	pin, screw
Colour	white
Box size	
Box weight	0 kg
Quantity in Box	240 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

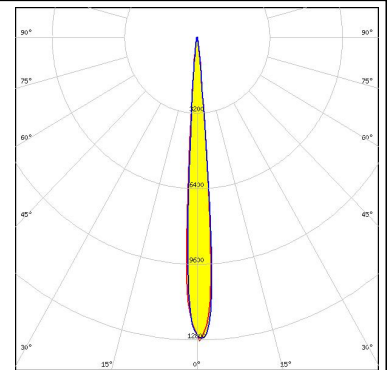
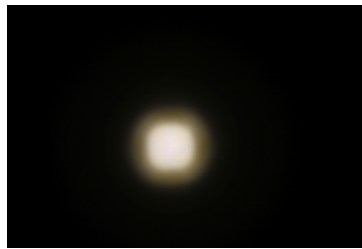
Component	Type	Material	Colour
LEIA-S	Lens	PMMA	
LEIA-HLD	Holder	HRPC	white



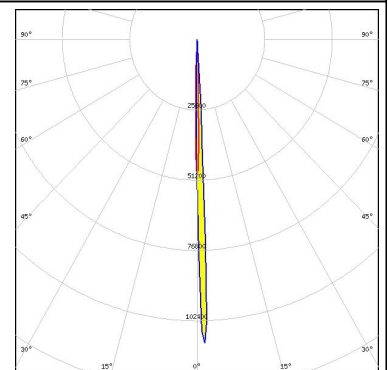
### PHOTOMETRIC DATA (MEASURED):



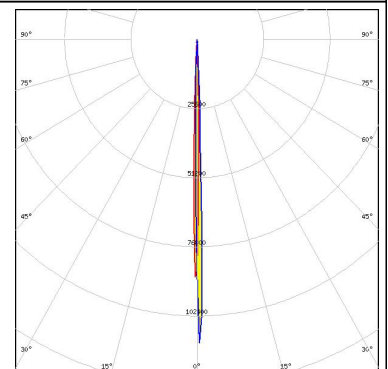
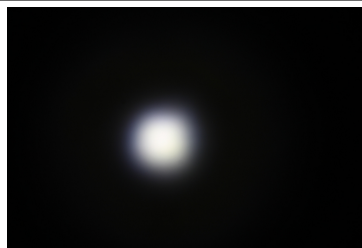
LED XHP50.2  
FWHM 8.0°  
Efficiency 48 %  
Peak intensity 12.980 cd/Im  
Required components:



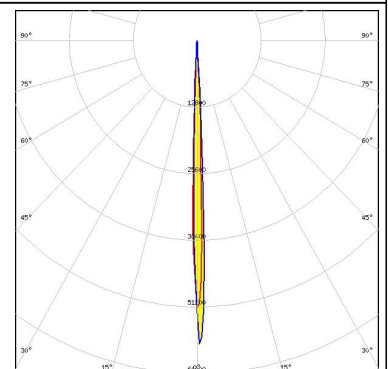
LED XP-E2  
FWHM 2.6°  
Efficiency 59 %  
Peak intensity 128.300 cd/Im  
Required components:



LED XQ-E HI  
FWHM 2.0°  
Efficiency 48 %  
Peak intensity 112.600 cd/Im  
Required components:



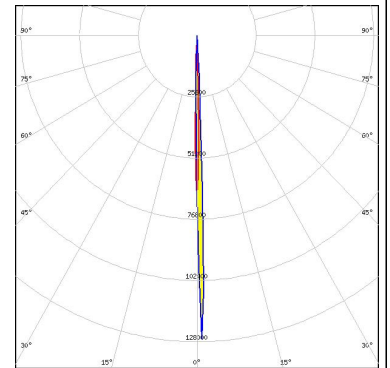
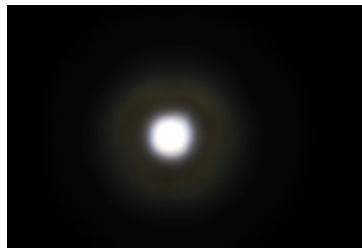
LED LUXEON TX  
FWHM 4.0°  
Efficiency 51 %  
Peak intensity 58.400 cd/Im  
Required components:



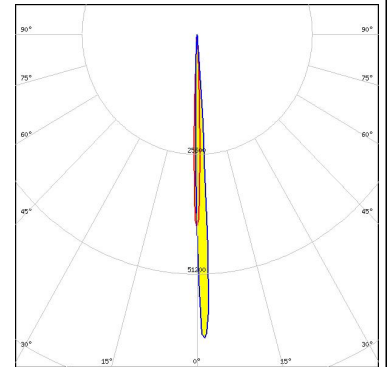
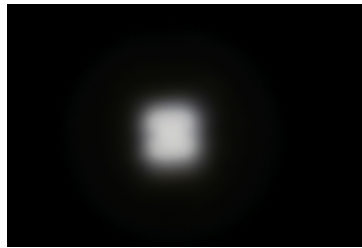
### PHOTOMETRIC DATA (MEASURED):



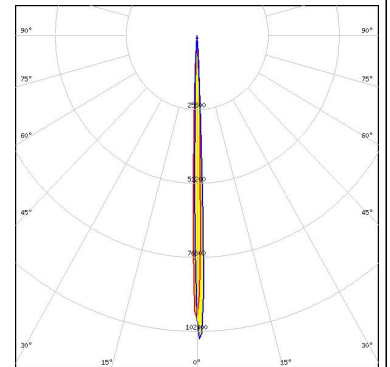
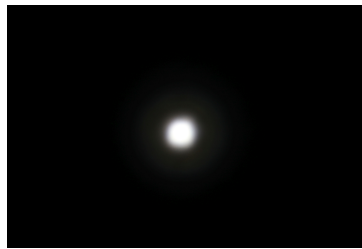
LED LUXEON Z  
 FWHM 2.0°  
 Efficiency 50 %  
 Peak intensity 131.000 cd/Im  
 Required components:



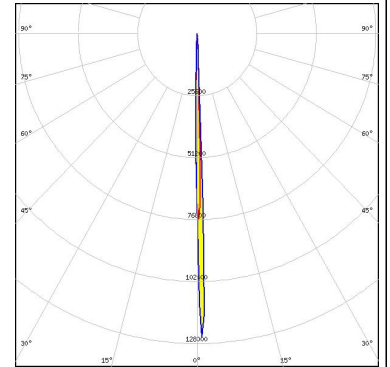
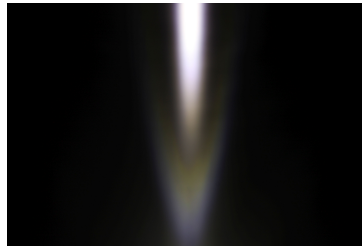
LED Oslon Square Gen3  
 FWHM 4.0°  
 Efficiency 49 %  
 Peak intensity 64.800 cd/Im  
 Required components:



LED Oslon SSL 80  
 FWHM 3.0°  
 Efficiency 62 %  
 Peak intensity 106.700 cd/Im  
 Required components:



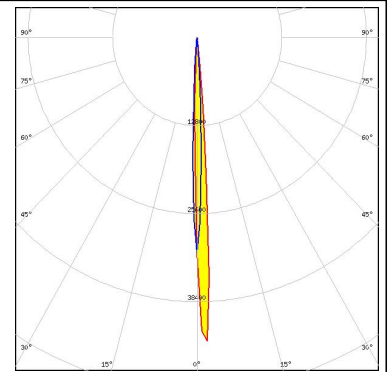
LED nPola  
 FWHM 3.0°  
 Efficiency 49 %  
 Peak intensity 155.500 cd/Im  
 Required components:



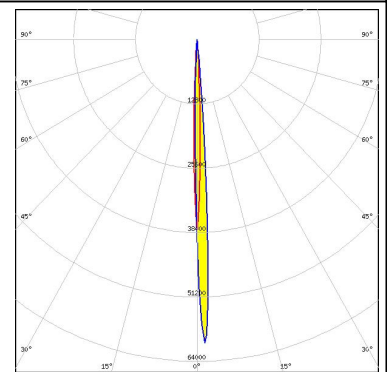
### PHOTOMETRIC DATA (SIMULATED):



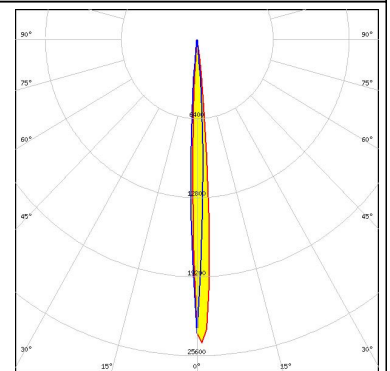
LED XHP35 HI  
 FWHM 3.6°  
 Efficiency 50 %  
 Peak intensity 44.800 cd/lm  
 Required components:



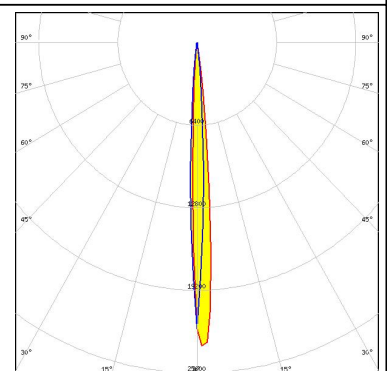
LED XP-G2  
 FWHM 4.0°  
 Efficiency 51 %  
 Peak intensity 57.000 cd/lm  
 Required components:



LED XP-G3  
 FWHM 5.8°  
 Efficiency 45 %  
 Peak intensity 24.600 cd/lm  
 Required components:



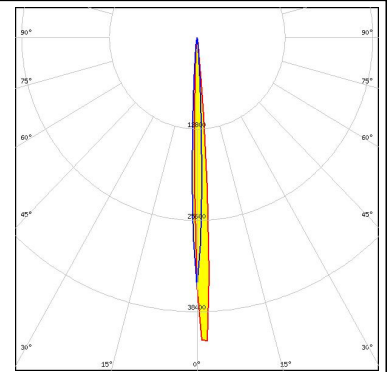
LED XP-L HD  
 FWHM 6.3°  
 Efficiency 51 %  
 Peak intensity 23.510 cd/lm  
 Required components:



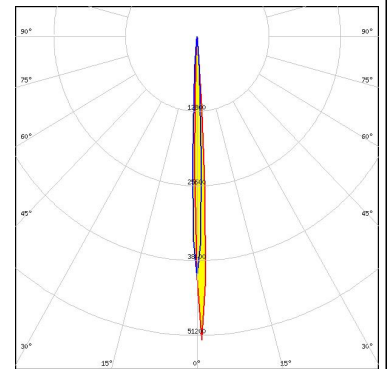
### PHOTOMETRIC DATA (SIMULATED):



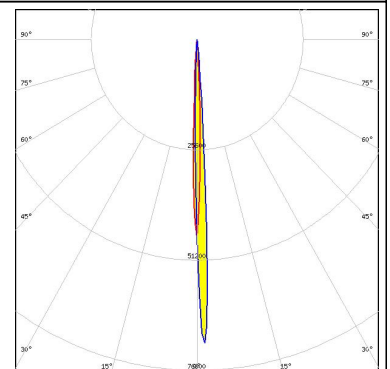
LED XP-L HI  
 FWHM 4.5°  
 Efficiency 53 %  
 Peak intensity 42.600 cd/lm  
 Required components:



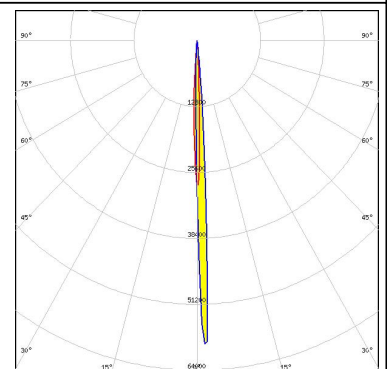
LED NF2x757G  
 FWHM 4.6°  
 Efficiency 50 %  
 Peak intensity 52.240 cd/lm  
 Required components:



LED Oslon Square EC  
 FWHM 4.0°  
 Efficiency 57 %  
 Peak intensity 68.000 cd/lm  
 Required components:



LED Oslon Square Gen3  
 FWHM 4.0°  
 Efficiency 47 %  
 Peak intensity 55.000 cd/lm  
 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

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

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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