

## JULIA-A

~90° + 160° wide beam

### SPECIFICATION:

Dimensions	Ø 18.9 mm
Height	4.7 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

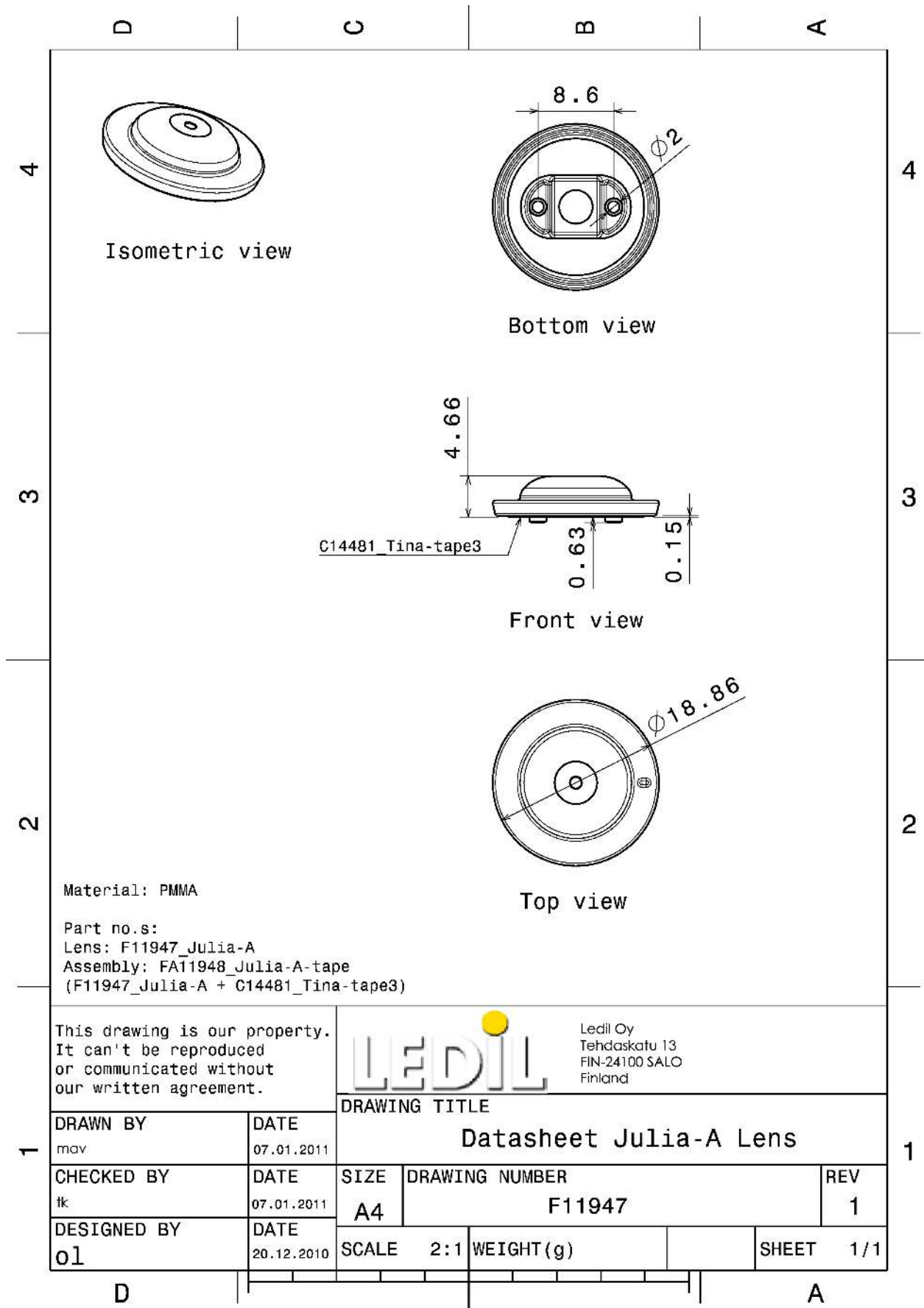


### MATERIALS:

Component	Type	Material	Colour	Finish
JULIA-A	Single lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F11947_JULIA-A » Box size: 470 x 235 x 270 mm	4500	1000	500	7.9



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

### OPTICAL RESULTS (MEASURED):

#### CREE LED

LED XP-E  
FWHM / FWTM 164.0°  
Efficiency 90 %  
Peak intensity 0.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE LED

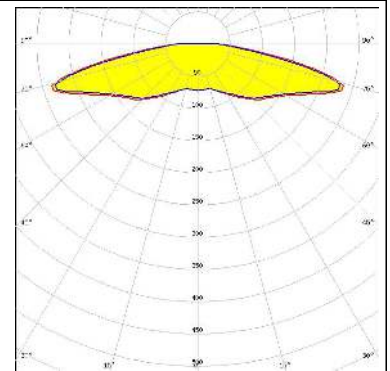
LED XP-G  
FWHM / FWTM 166.0°  
Efficiency 90 %  
Peak intensity 0.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### LUMILEDS




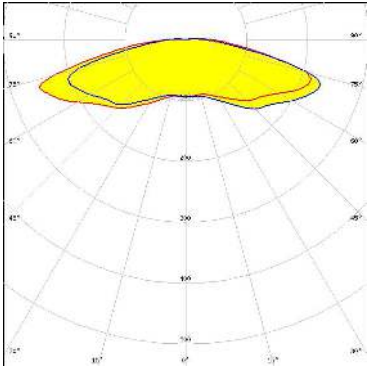

LED LUXEON Rebel  
FWHM / FWTM 154.0°  
Efficiency 90 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### LUMILEDS

LED LUXEON Rebel ES  
FWHM / FWTM 163.0°  
Efficiency 90 %  
Peak intensity 0.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (MEASURED):

		
LED	NCSxx19A	
FWHM / FWTM	156.0°	
Efficiency	90 %	
Peak intensity	0.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		
LED	NVSxx19A	
FWHM / FWTM	159.0°	
Efficiency	90 %	
Peak intensity	0.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
 <small>Osram Semiconductors</small>		
LED	OSLON Square PC	
FWHM / FWTM	165.0° / 185.0°	
Efficiency	93 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
 <small>Osram Semiconductors</small>		
LED	OSLON SSL 150	
FWHM / FWTM	159.0°	
Efficiency	90 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

## OPTICAL RESULTS (MEASURED):

### **OSRAM**

Opto Semiconductors

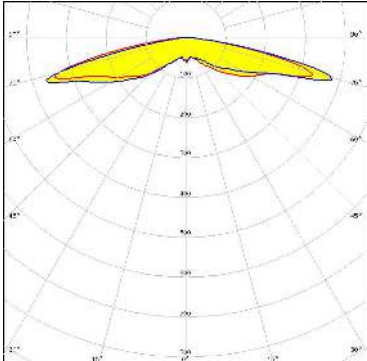
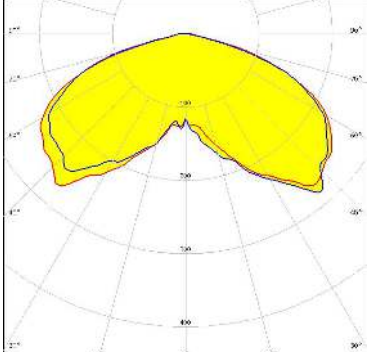
LED OSLOM SSL 80  
FWHM / FWTM 158.0°  
Efficiency 90 %  
Peak intensity 0.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z5  
FWHM / FWTM 160.0°  
Efficiency 86 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED NF2W757G-MT (Tunable White) FWHM / FWTM 158.0 + 160.0° / 170.0 + 172.0° Efficiency 94 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour Tunable White Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S5 (2 chip) FWHM / FWTM 140.0° / 157.0° Efficiency 99 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

### 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

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### 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)