JULIA-A

~90° + 160° wide beam



SPECIFICATION:

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

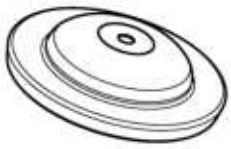
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
JULIA-A	Single lens	PMMA	clear		

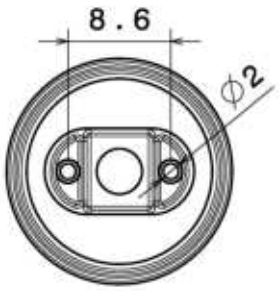
ORDERING INFORMATION:

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

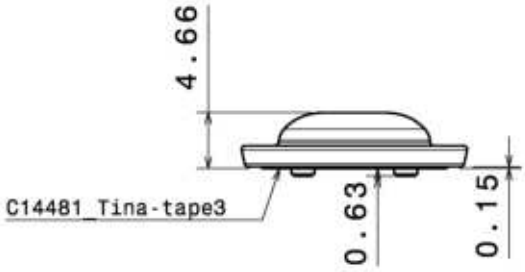
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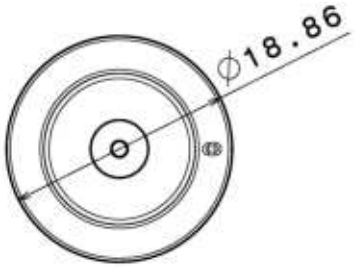
Isometric view



Bottom view



Front view



Top view

Material: PMMA

Part no.s:
Lens: F11947_Julia-A
Assembly: FA11948_Julia-A-tape
(F11947_Julia-A + C14481_Tina-tape3)

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Ledil Oy
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Finland

DRAWN BY: mav	DATE: 07.01.2011	DRAWING TITLE: Datasheet Julia-A Lens			
CHECKED BY: tk	DATE: 07.01.2011	SIZE: A4	DRAWING NUMBER: F11947		REV: 1
DESIGNED BY: ol	DATE: 20.12.2010	SCALE: 2:1	WEIGHT(g):		SHEET: 1/1

See also our general installation guide: www.ledil.com/installation_guide

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OPTICAL RESULTS (MEASURED):

CREE LEDs

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

Light distribution files

CREE LEDs

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

Light distribution files

LUMILEDS

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

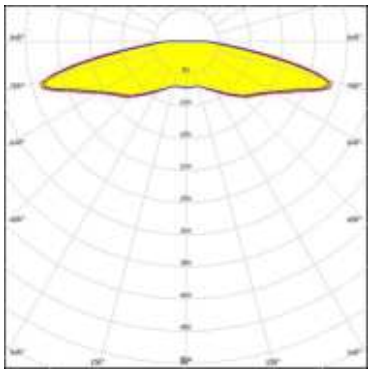
Light distribution files

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OPTICAL RESULTS (MEASURED):

LUMILEDS

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



Light distribution files

NICHIA

LED	NCSxx19A
FWHM / FWTM	156.0°
Efficiency	90 %
Peak intensity	0.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA

LED	NVSxx19A
FWHM / FWTM	159.0°
Efficiency	90 %
Peak intensity	0.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

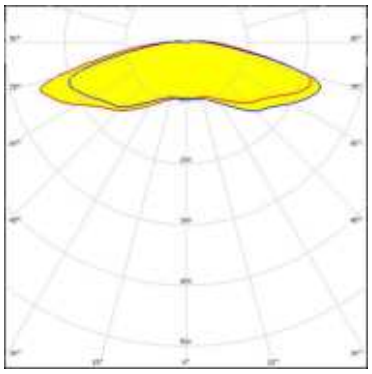
Light distribution files

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OPTICAL RESULTS (MEASURED):

OSRAM

LED	OSLON Square PC
FWHM / FWTM	165.0° / 185.0°
Efficiency	93 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM

LED	OSLON SSL 150
FWHM / FWTM	159.0°
Efficiency	90 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OSRAM

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

Light distribution files

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OPTICAL RESULTS (MEASURED):

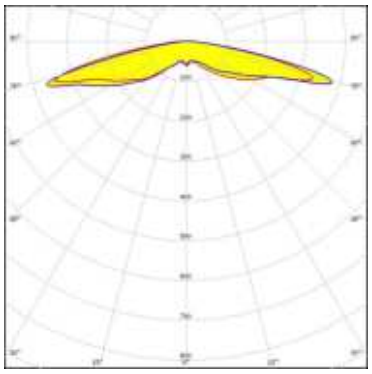
LED	Z5
FWHM / FWTM	160.0°
Efficiency	86 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

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OPTICAL RESULTS (SIMULATED):

NICHIA

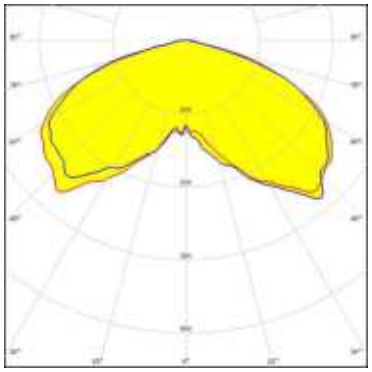
LED	NF2W757G-MT (Tunable White)
FWHM / FWTM	158.0 + 160.0° / 170.0 + 172.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	



Light distribution files

OSRAM

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/type	White
Required components:	



Light distribution files

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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:

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