JULIA-A

~90° + 160° wide beam. Assembly with installation tape.



SPECIFICATION:

Dimensions	Ø 18.8
Height	4.8 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
JULIA-A	Single lens	PMMA	clear		
» Box size: 470 x 235 x 270 mm					
TINA-TAPE3	Tape	Acryl tape	black		

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
F11947_JULIA-A	Single lens	2850	300	150	3.7
C14481_TINA-TAPE3	Tape	2850	300	150	3.7

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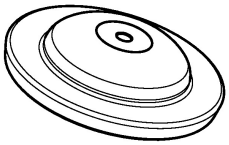
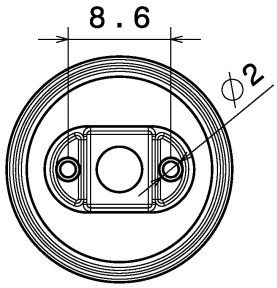
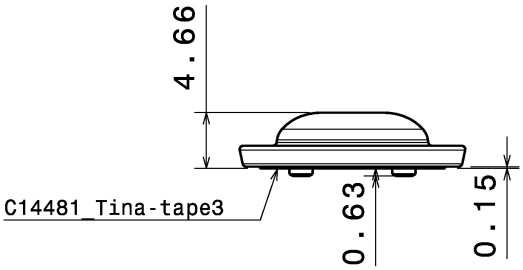


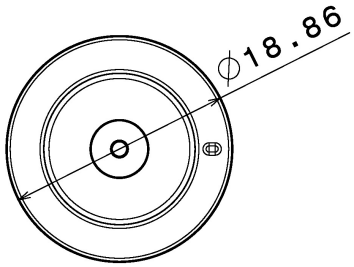
Isometric view



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
Tehdaskatu 13
FIN-24100 SALO
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:

CREE LEDs

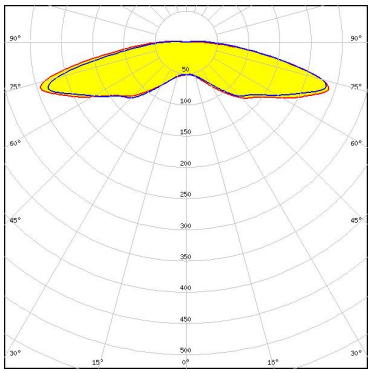
LED	XP-G
FWHM / FWTM	166.0°
Efficiency	90 %
Peak intensity	0.2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

CREE LEDs

LED	XP-G3
FWHM / FWTM	166.0° / 187.0°
Efficiency	85 %
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):

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:	

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:	

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:	

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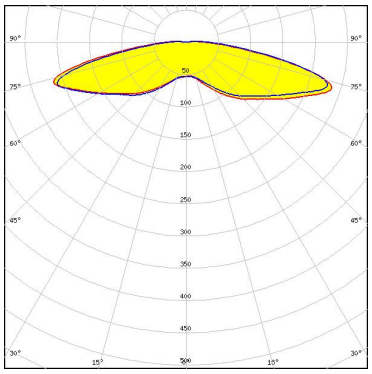
OPTICAL RESULTS (MEASURED):

NICHIA

LED	NVSW219F-V2
FWHM / FWTM	166.0° / 186.0°
Efficiency	82 %
Peak intensity	0.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



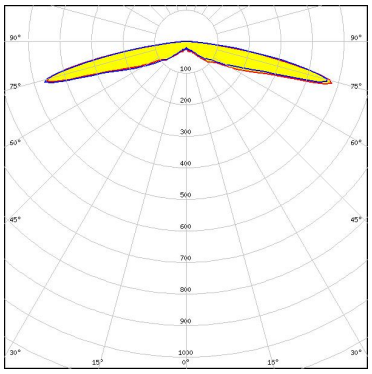
Light distribution files

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:	

OSRAM
Opto Semiconductors

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

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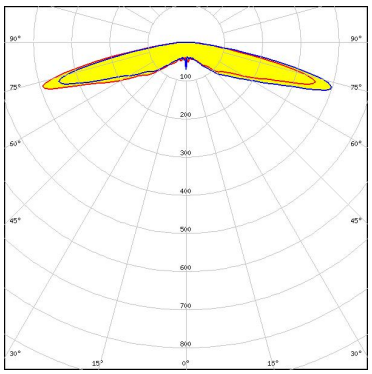
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

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:	

SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	160.0°
Efficiency	86 %
Peak intensity	0.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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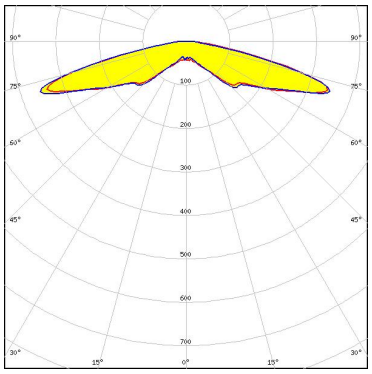
OPTICAL RESULTS (SIMULATED):

CREE LEDs

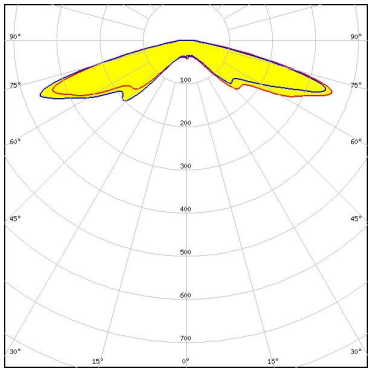
LED	J Series 2835
FWHM / FWTM	155.0° / 169.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

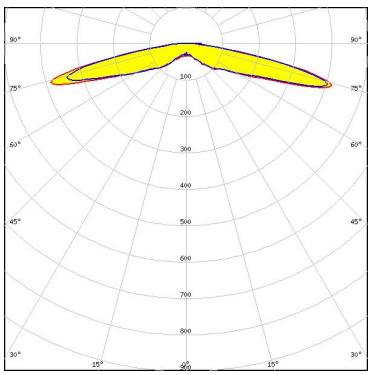
LED	JB3030 HE B Class
FWHM / FWTM	153.0° / 166.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XE-G
FWHM / FWTM	159.0° / 173.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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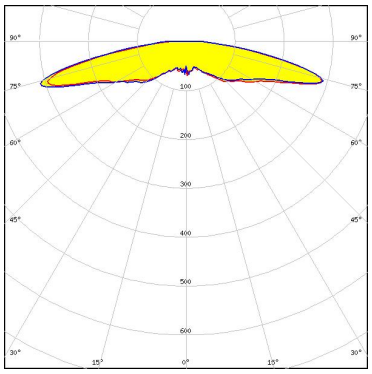
OPTICAL RESULTS (SIMULATED):

CREE LEDs

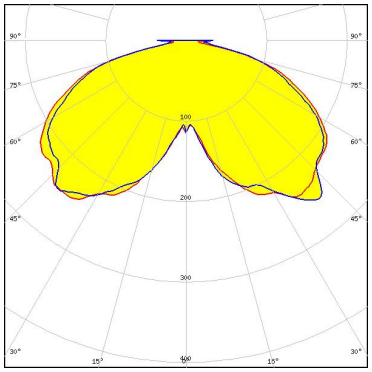
LED	XP-G2 HE
FWHM / FWTM	162.0° / 180.0°
Efficiency	89 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

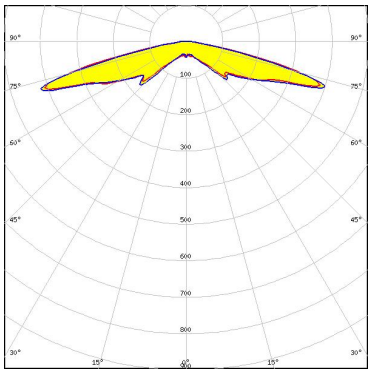
LED	LUXEON IR Compact
FWHM / FWTM	141.0° / 167.0°
Efficiency	97 %
LEDs/each optic	1
Light colour/type	IR
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	DURIS E 2835 Gen2
FWHM / FWTM	155.0° / 165.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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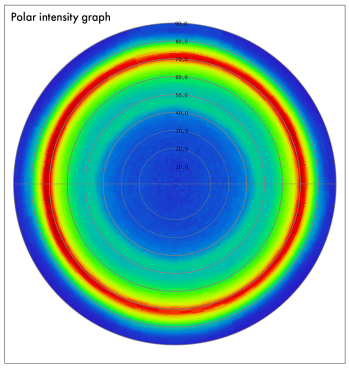
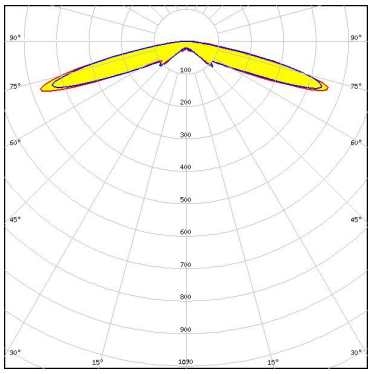
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	SFH 4726CS A01
FWHM / FWTM	155.0° / 168.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	IR
Required components:	

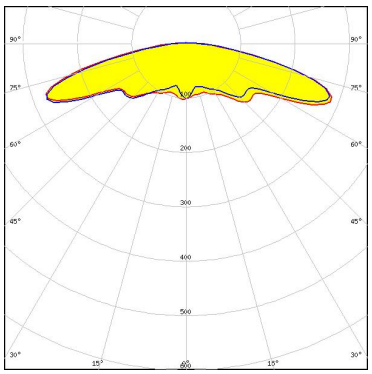




Light distribution files

SAMSUNG

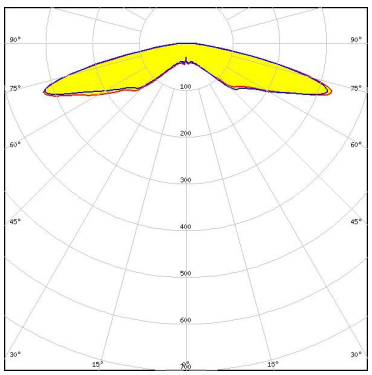
LED	LH351C
FWHM / FWTM	158.0° / 176.0°
Efficiency	95 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LM301B
FWHM / FWTM	156.0° / 172.0°
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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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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where_to_buy

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