EMILY-O

~45° x 10° oval beam. 14.96 mm high lens.

SPECIFICATION:

Dimensions	Ø 26.0
Height	15 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12066_EMILY-O » Box size: 480 x 280 x 300 mm	Single lens	1690	260	130	10.7

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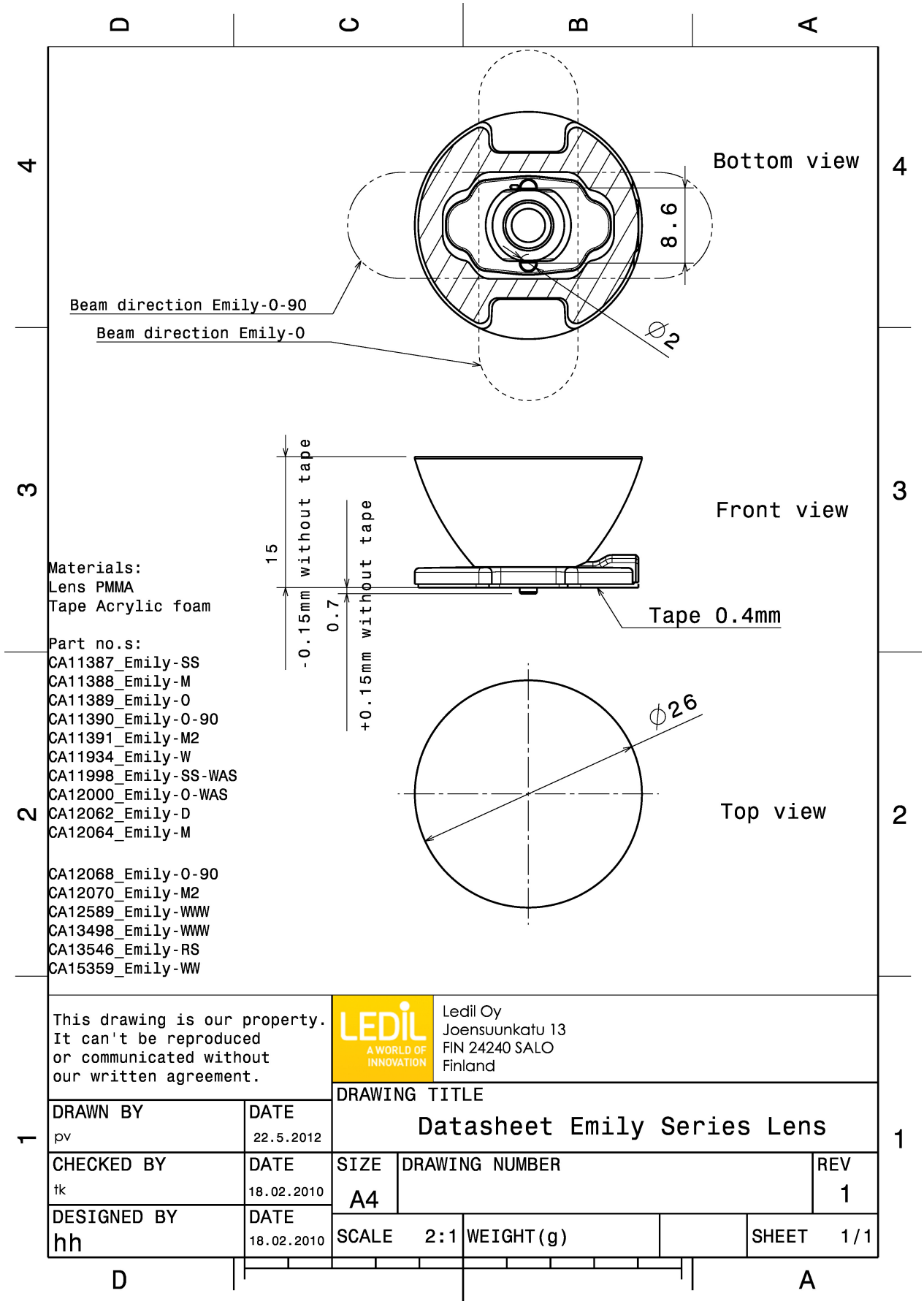

Materials:
Lens PMMA
Tape Acrylic foam

Part no.s:
CA11387_Emily-SS
CA11388_Emily-M
CA11389_Emily-O
CA11390_Emily-O-90
CA11391_Emily-M2
CA11934_Emily-W
CA11998_Emily-SS-WAS
CA12000_Emily-O-WAS
CA12062_Emily-D
CA12064_Emily-M

CA12068_Emily-O-90
CA12070_Emily-M2
CA12589_Emily-WWW
CA13498_Emily-WWW
CA13546_Emily-RS
CA15359_Emily-WW

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FIN 24240 SALO
Finland

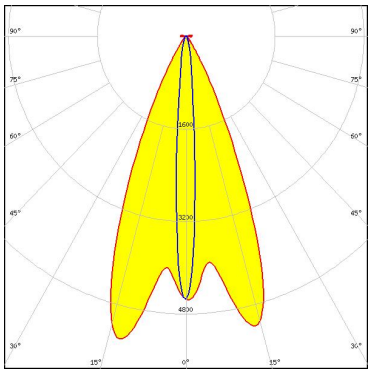
DRAWN BY: pv	DATE: 22.5.2012	DRAWING TITLE: Datasheet Emily Series Lens		
CHECKED BY: tk	DATE: 18.02.2010	SIZE: A4	DRAWING NUMBER	REV: 1
DESIGNED BY: hh	DATE: 18.02.2010	SCALE: 2:1	WEIGHT(g)	SHEET: 1/1

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

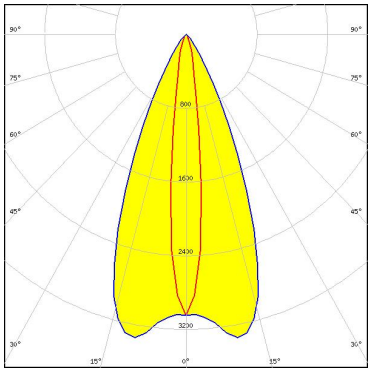
LED	XD16
FWHM / FWTM	47.0 + 8.0° / 65.0 + 23.0°
Efficiency	91 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

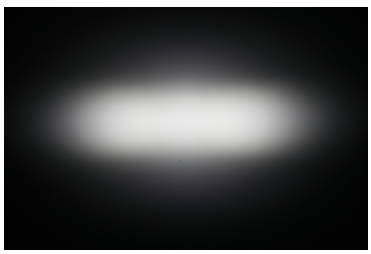
LED	XM-L
FWHM / FWTM	47.0 + 13.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	

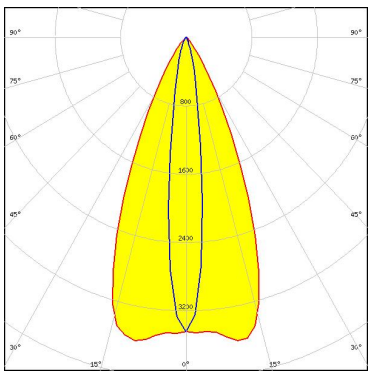


Light distribution files

CREE LEDs

LED	XM-L2
FWHM / FWTM	47.0 + 14.0° / 71.0 + 32.0°
Efficiency	86 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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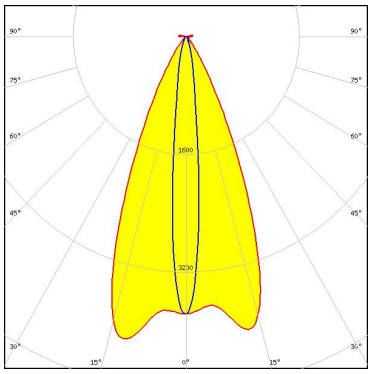
OPTICAL RESULTS (MEASURED):

CREE LEDs

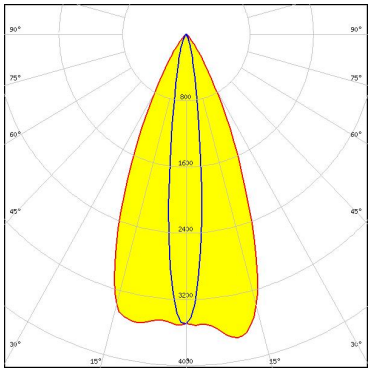
LED	XP-G3
FWHM / FWTM	47.0 + 11.0° / 69.0 + 29.0°
Efficiency	93 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

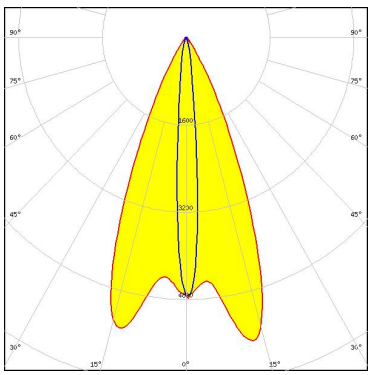
LED	XP-L HD
FWHM / FWTM	46.0 + 14.0° / 70.0 + 31.0°
Efficiency	86 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-L HI
FWHM / FWTM	48.0 + 9.0° / 66.0 + 22.0°
Efficiency	86 %
Peak intensity	5.7 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 A
FWHM / FWTM	44.0 + 10.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

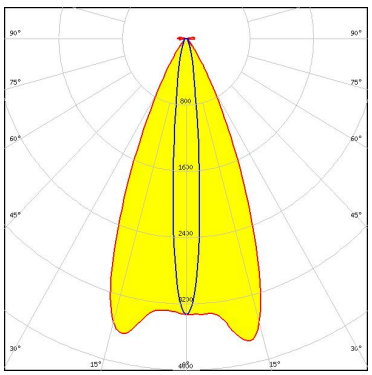
LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	44.0 + 10.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	47.0 + 11.0° / 69.0 + 31.0°
Efficiency	92 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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OPTICAL RESULTS (SIMULATED):

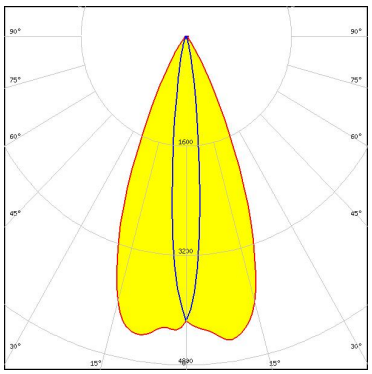
CREE LEDs

LED	XM-L HVW
FWHM / FWTM	12.0 + 48.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

CREE LEDs

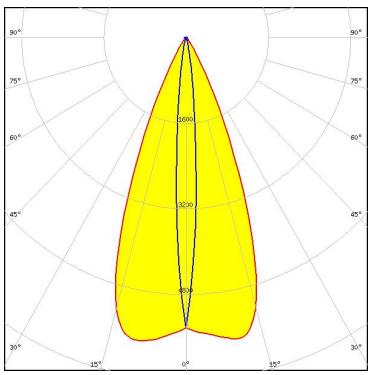
LED	XP-G2 HE
FWHM / FWTM	44.0 + 12.0° / 66.0 + 26.0°
Efficiency	92 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON C
FWHM / FWTM	44.0 + 8.0° / 61.0 + 20.0°
Efficiency	92 %
Peak intensity	5.7 cd/lm
LEDs/each optic	1
Light colour/type	Deep Red
Required components:	



Light distribution files

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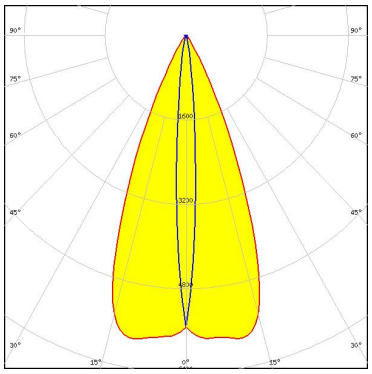
OPTICAL RESULTS (SIMULATED):

LUMILEDS

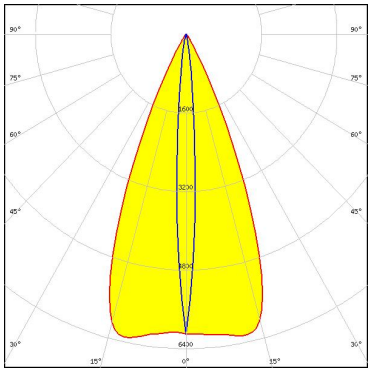
LED	LUXEON C
FWHM / FWTM	44.0 + 8.0° / 62.0 + 19.0°
Efficiency	93 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

LUMILEDS

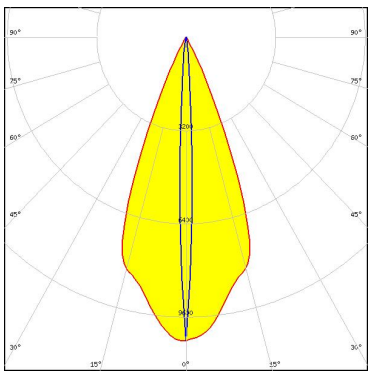
LED	LUXEON Rebel
FWHM / FWTM	44.0 + 8.0° / 60.0 + 18.0°
Efficiency	94 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

LED	SFT-12R-W-A
FWHM / FWTM	42.0 + 4.0° / 56.0 + 12.0°
Efficiency	95 %
Peak intensity	10.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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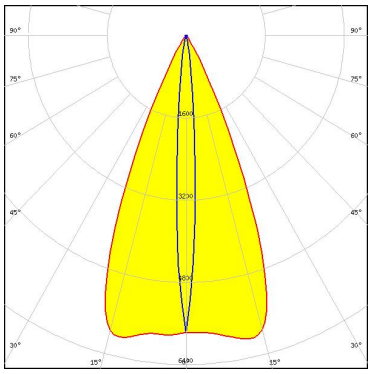
OPTICAL RESULTS (SIMULATED):

NICHIA

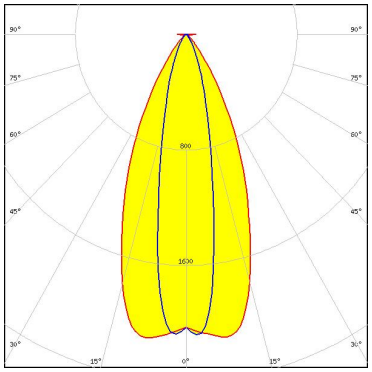
LED	NCSxE17A
FWHM / FWTM	46.0 + 8.0° / 60.0 + 18.0°
Efficiency	92 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

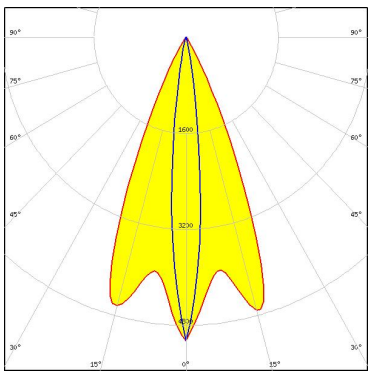
LED	NVSxE21A
FWHM / FWTM	46.0 + 22.0° / 76.0 + 50.0°
Efficiency	90 %
Peak intensity	2.2 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Black
FWHM / FWTM	11.0 + 44.0° / 21.0 + 59.0°
Efficiency	%
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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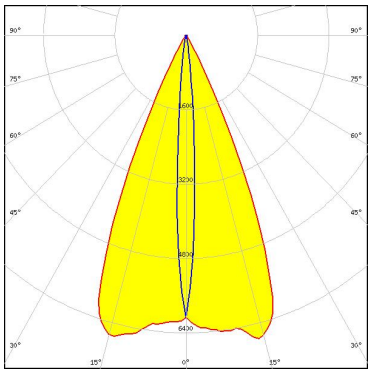
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

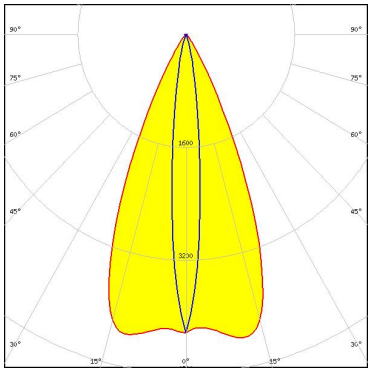
LED	OSLON Black Flat (LUW HWQP)
FWHM / FWTM	47.0 + 9.0° / 59.0 + 18.0°
Efficiency	94 %
Peak intensity	6.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	46.0 + 12.0° / 64.0 + 26.0°
Efficiency	93 %
Peak intensity	4.4 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:

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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