

EMILY-O

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

SPECIFICATION:

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

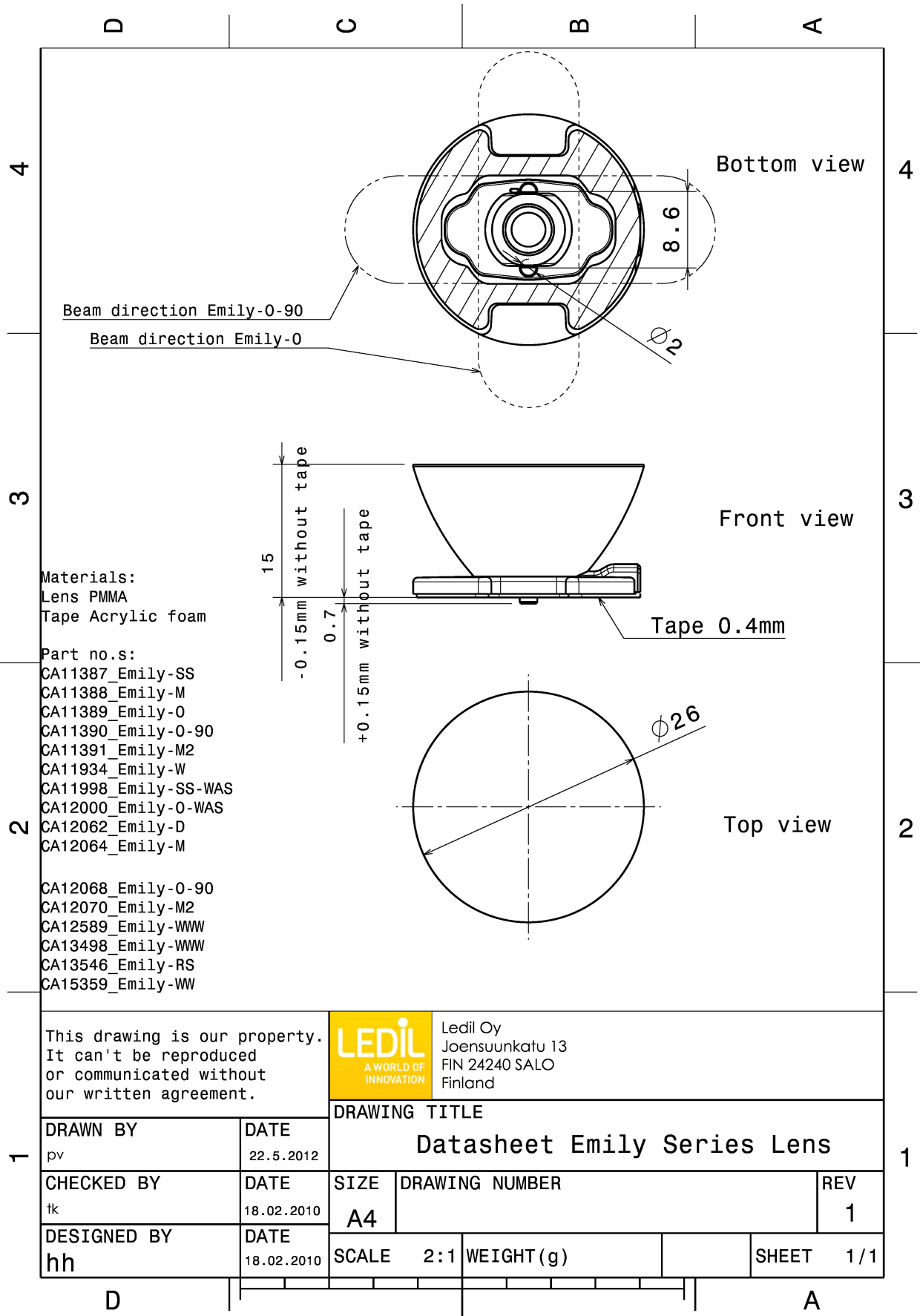
MATERIALS:

Component	Type	Material	Colour	Finish
EMILY-O	Single lens	PMMA	clear	
SPUTNIK-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

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





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DRAWING TITLE

Datasheet Emily Series Lens

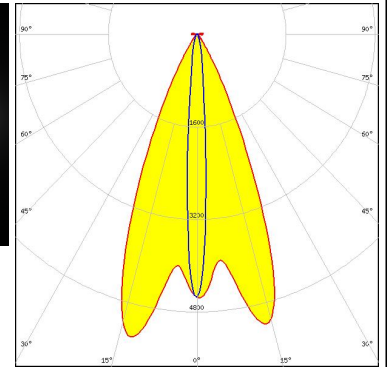
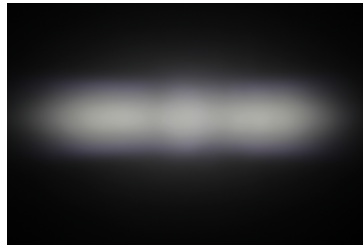
DRAWN BY pv	DATE 22.5.2012	DRAWING TITLE Datasheet Emily Series Lens		
CHECKED BY fk	DATE 18.02.2010	SIZE A4	DRAWING NUMBER	REV 1
DESIGNED BY hh	DATE 18.02.2010	SCALE 2:1	WEIGHT (g)	SHEET 1/1

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

OPTICAL RESULTS (MEASURED):

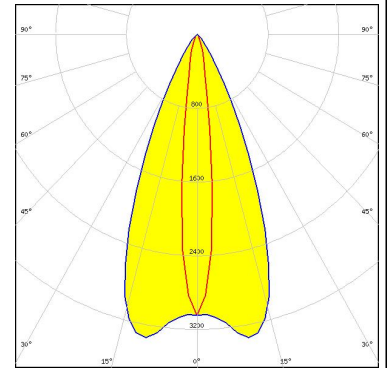
CREE LED

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



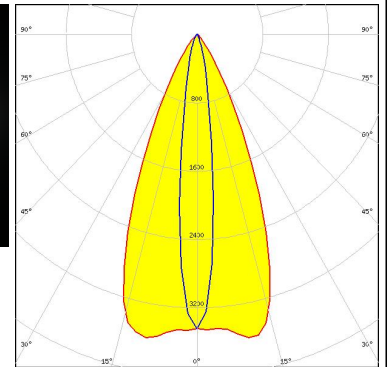
CREE LED

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



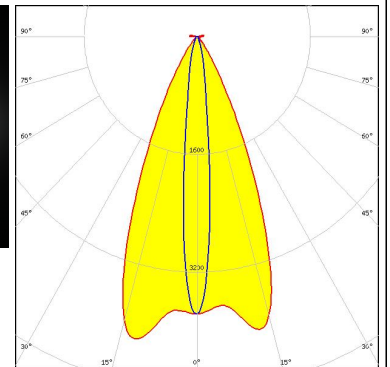
CREE LED

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



CREE LED

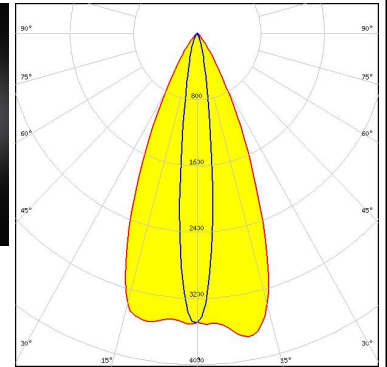
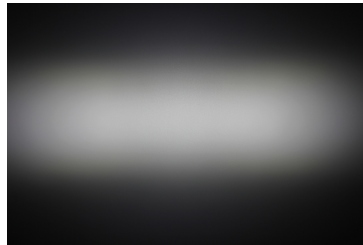
LED XP-G3
 FWHM / FWTM 47.0 + 11.0° / 69.0 + 29.0°
 Efficiency 93 %
 Peak intensity 4.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



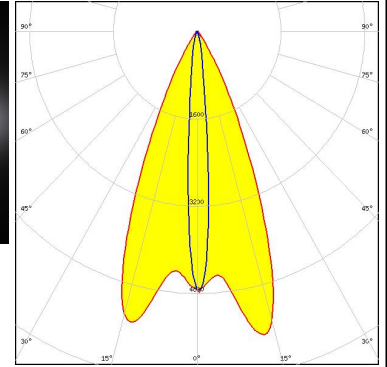
OPTICAL RESULTS (MEASURED):



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 White
 Required components:



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 White
 Required components:



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



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

OPTICAL RESULTS (MEASURED):



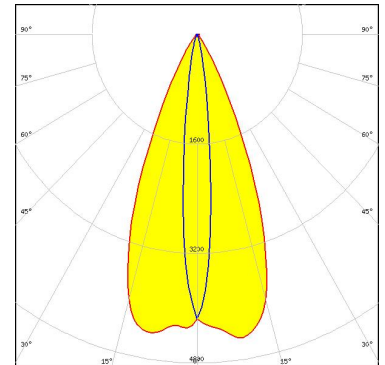
OPTICAL RESULTS (SIMULATED):



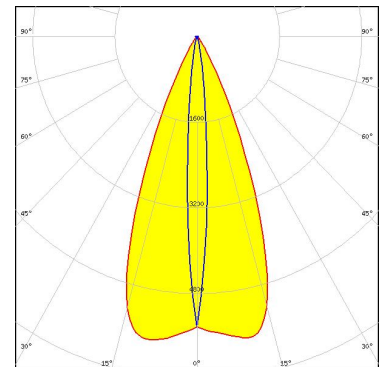
LED XM-L HVW
 FWHM / FWTM 12.0 + 48.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:



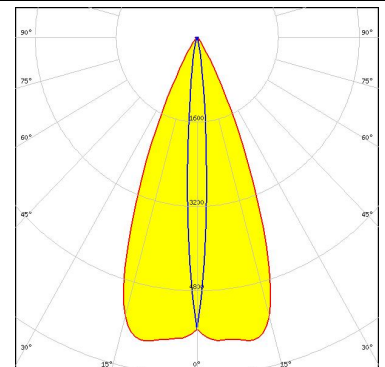
LED XP-G2 HE
 FWHM / FWTM 44.0 + 12.0° / 66.0 + 26.0°
 Efficiency 92 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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 Deep Red
 Required components:



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 Blue
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON Rebel</p> <p>FWHM / FWTM: 44.0 + 8.0° / 60.0 + 18.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 6.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: NCSxE17A</p> <p>FWHM / FWTM: 46.0 + 8.0° / 60.0 + 18.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSOLON Black</p> <p>FWHM / FWTM: 11.0 + 44.0° / 21.0 + 59.0°</p> <p>Efficiency: %</p> <p>Peak intensity: 5.1 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSOLON Black Flat</p> <p>FWHM / FWTM: 47.0 + 9.0° / 59.0 + 18.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 6.7 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):



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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