

## EMILY-O

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

### TECHNICAL SPECIFICATIONS:

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

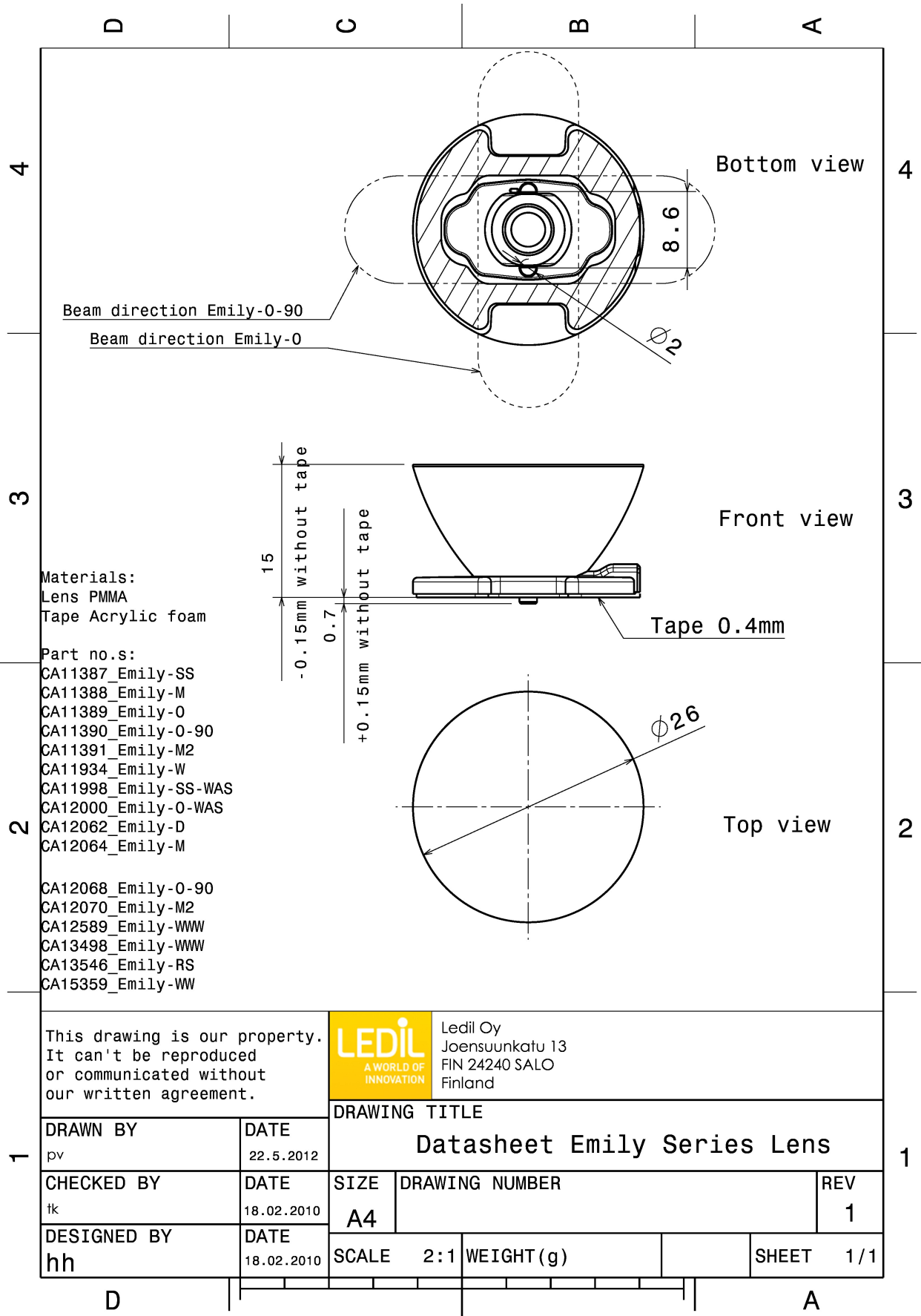
### MATERIAL SPECIFICATIONS:

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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 Finland

**DRAWING TITLE**

Datasheet Emily Series Lens

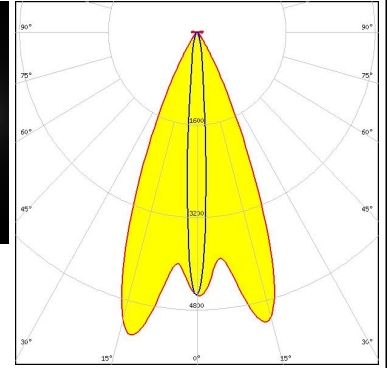
<b>DRAWN BY</b> pv	<b>DATE</b> 22.5.2012	<b>DRAWING TITLE</b> Datasheet Emily Series Lens		
<b>CHECKED BY</b> fk	<b>DATE</b> 18.02.2010	<b>SIZE</b> A4	<b>DRAWING NUMBER</b>	<b>REV</b> 1
<b>DESIGNED BY</b> hh	<b>DATE</b> 18.02.2010	<b>SCALE</b> 2:1	<b>WEIGHT (g)</b>	<b>SHEET</b> 1/1

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

#### PHOTOMETRIC DATA (MEASURED):

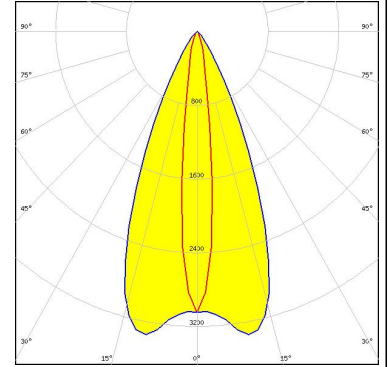
##### CREE → LED

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 White  
 Required components:



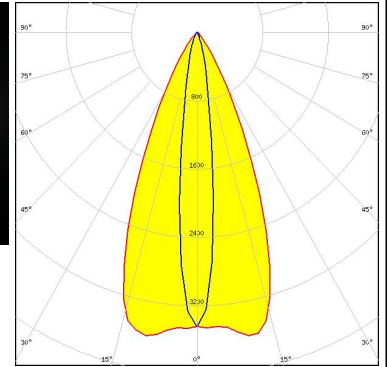
##### CREE → LED

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



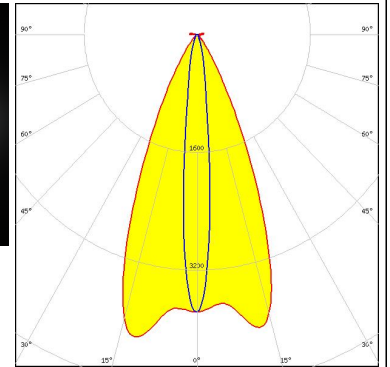
##### CREE → LED

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



##### CREE → LED

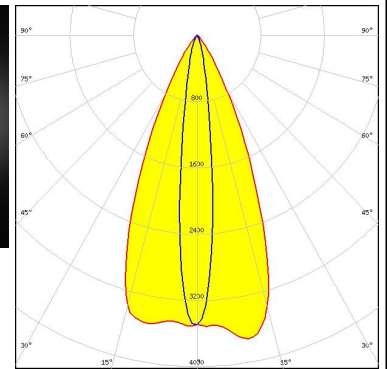
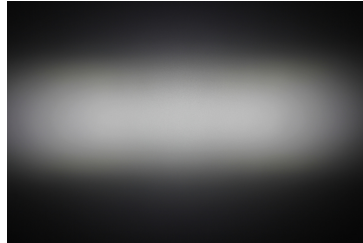
LED XP-G3  
 FWHM / FWTM 47.0 + 11.0° / 69.0 + 29.0°  
 Efficiency 93 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



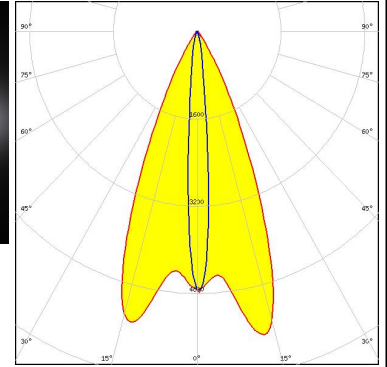
#### PHOTOMETRIC DATA (MEASURED):



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:

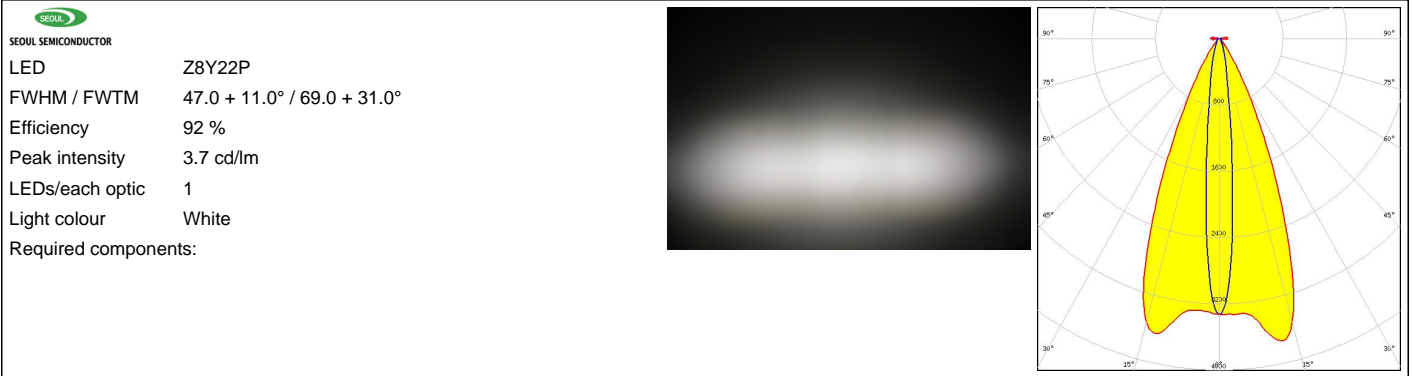


LED LUXEON A  
 FWHM / FWTM 44.0 + 10.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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

### PHOTOMETRIC DATA (MEASURED):



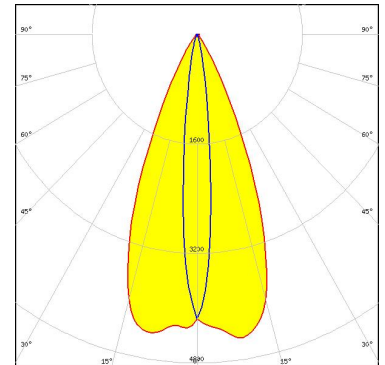
#### PHOTOMETRIC DATA (SIMULATED):



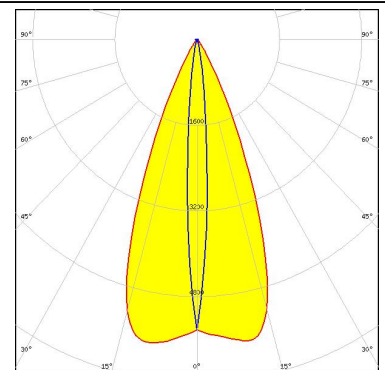
LED XM-L HVW  
 FWHM / FWTM 12.0 + 48.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



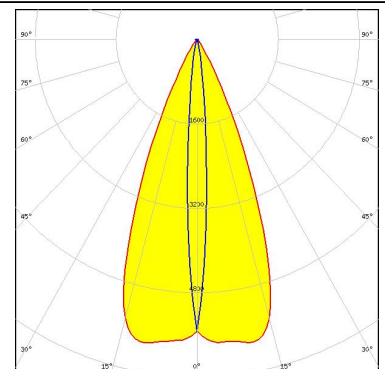
LED XP-G2 HE  
 FWHM / FWTM 44.0 + 12.0° / 66.0 + 26.0°  
 Efficiency 92 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



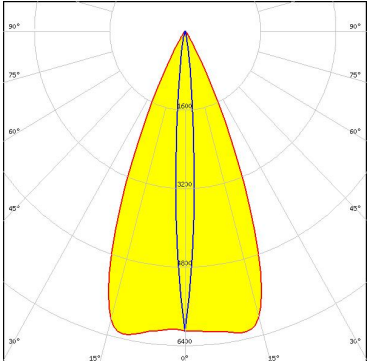
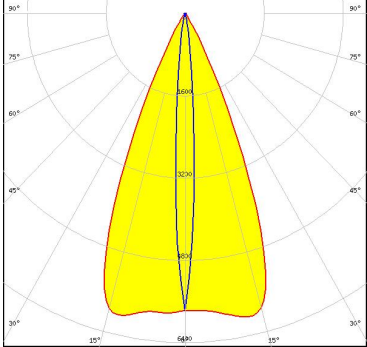
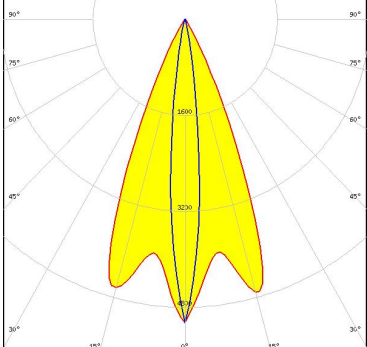
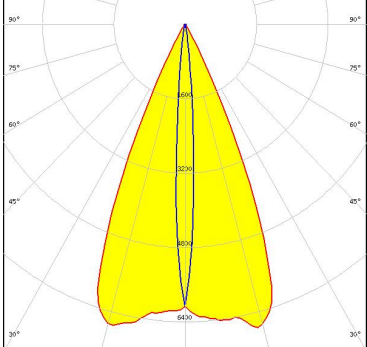
LED LUXEON C  
 FWHM / FWTM 44.0 + 8.0° / 61.0 + 20.0°  
 Efficiency 92 %  
 Peak intensity 5.7 cd/lm  
 LEDs/each optic 1  
 Light colour Deep Red  
 Required components:



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:



#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></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><b>NICHIA</b></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><b>OSRAM</b> 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><b>OSRAM</b> 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>	

### PHOTOMETRIC DATA (SIMULATED):

	
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	White
Required components:	





### 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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