

## 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 ⓘ

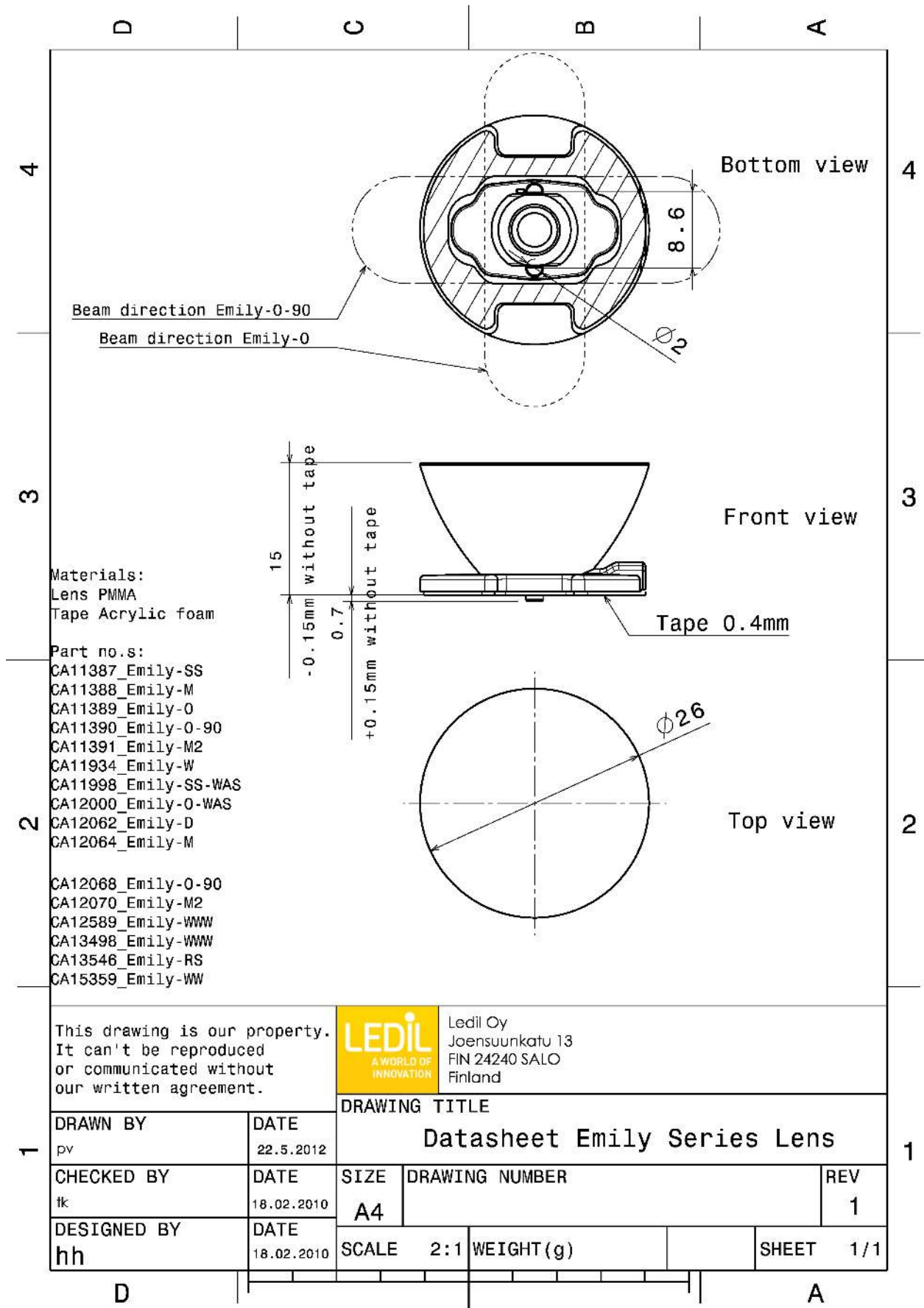
### MATERIALS:

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					



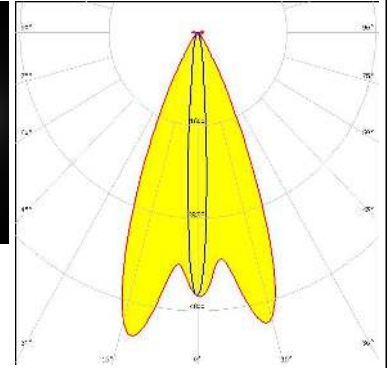


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

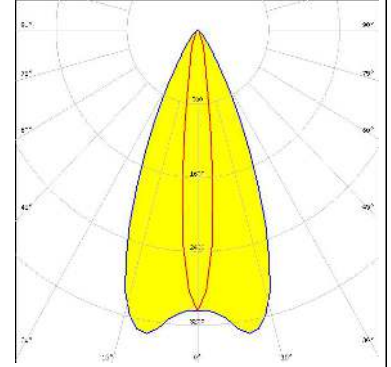
##### CREE ⇄ LED

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



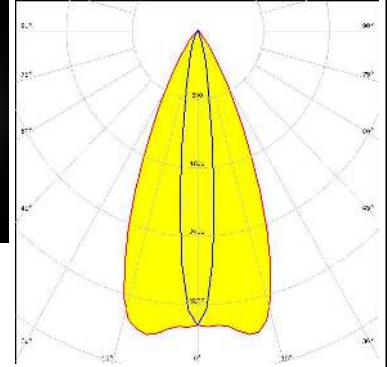
##### CREE ⇄ LED

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



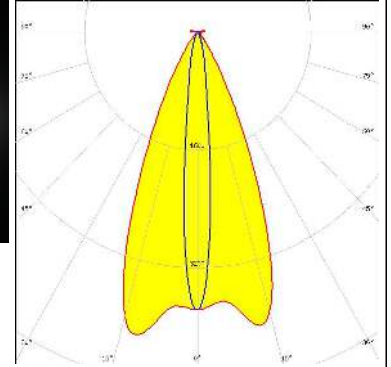
##### CREE ⇄ LED

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

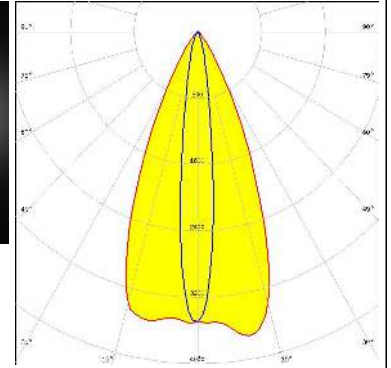
LED XP-G3  
 FWHM / FWTM 47.0 + 11.0° / 69.0 + 29.0°  
 Efficiency 93 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

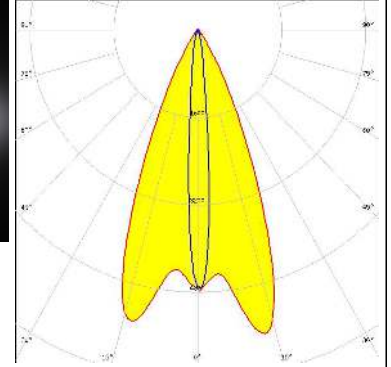
##### CREE LED

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:



##### CREE LED

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:



##### LUMILEDS

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

##### LUMILEDS

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

### OPTICAL RESULTS (MEASURED):



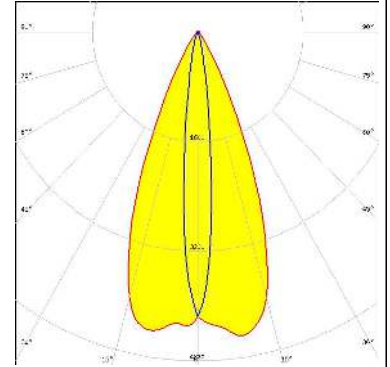
#### OPTICAL RESULTS (SIMULATED):



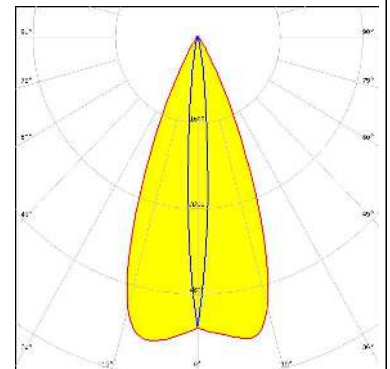
LED XM-L HVW  
 FWHM / FWTM 12.0 + 48.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



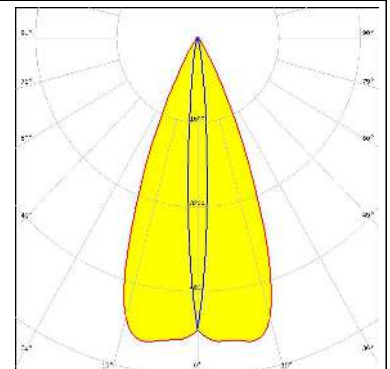
LED XP-G2 HE  
 FWHM / FWTM 44.0 + 12.0° / 66.0 + 26.0°  
 Efficiency 92 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



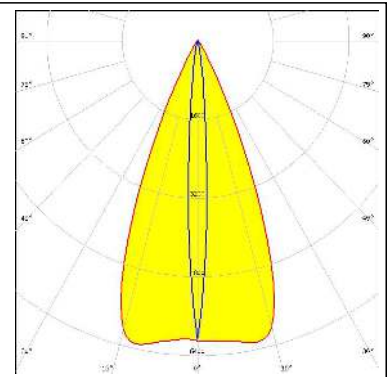
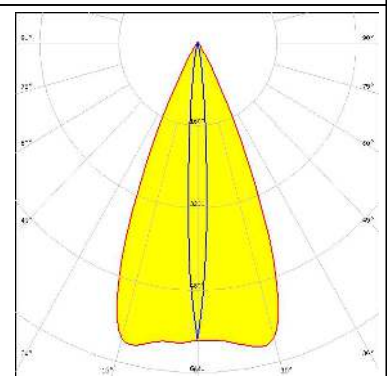
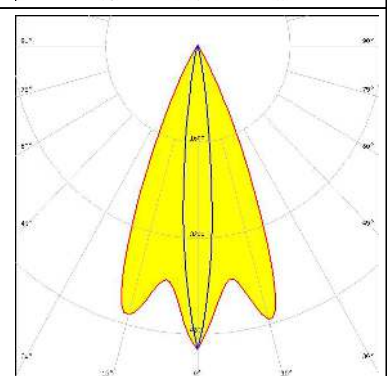
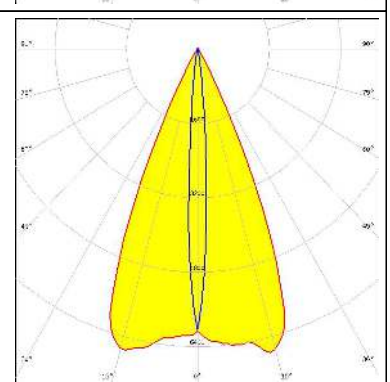
LED LUXEON C  
 FWHM / FWTM 44.0 + 8.0° / 61.0 + 20.0°  
 Efficiency 92 %  
 Peak intensity 5.7 cd/lm  
 LEDs/each optic 1  
 Light colour Deep Red  
 Required components:



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><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>	

## 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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