

## EMILY-WWW

~60° wide beam. 13.43 mm high lens.

### SPECIFICATION:

Dimensions	Ø 26.0 mm
Height	13.4 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

### MATERIALS:

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

### ORDERING INFORMATION:


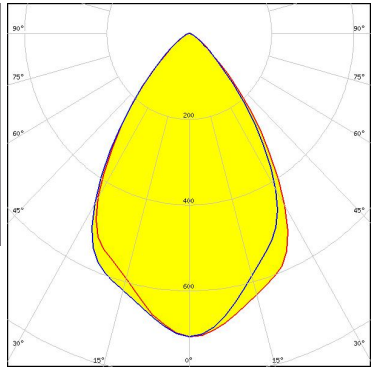

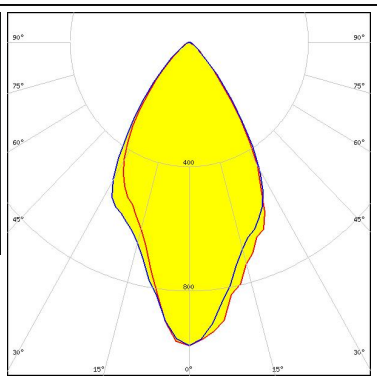
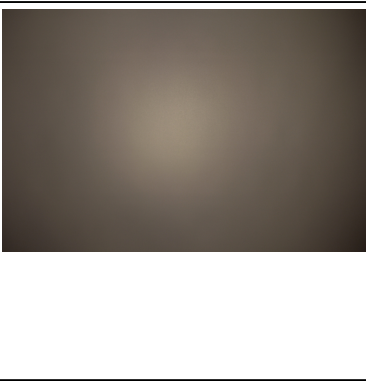
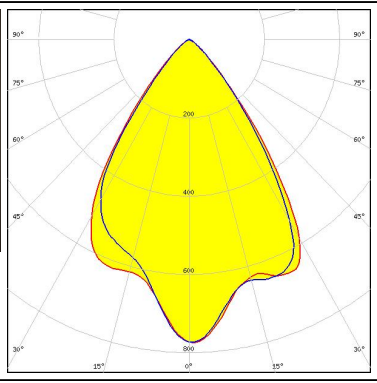

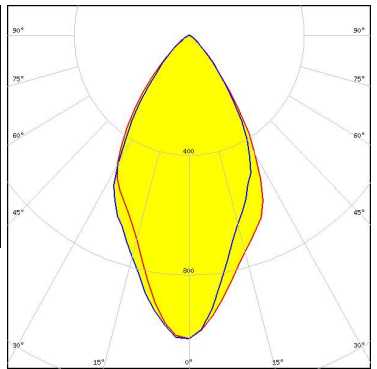
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12589_EMILY-WWW	Single lens	1690	260	130	11.2
» Box size: 480 x 280 x 300 mm					



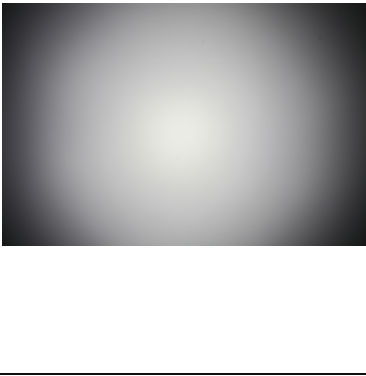
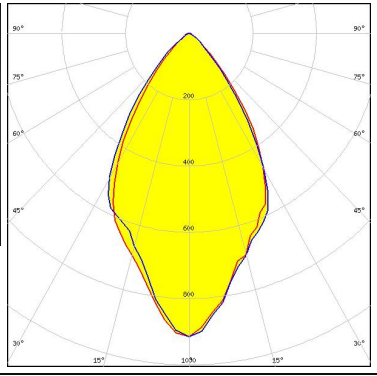
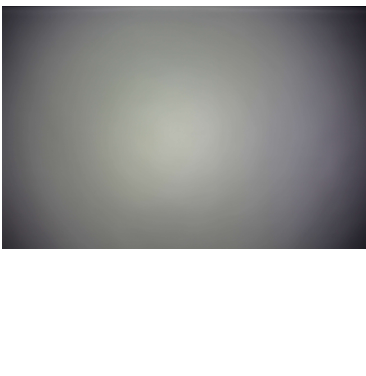
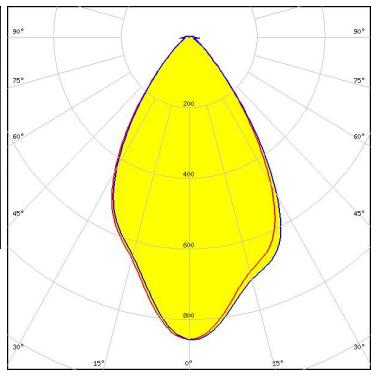
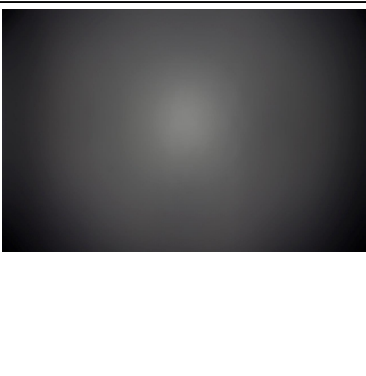
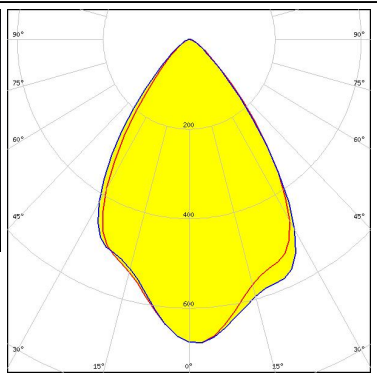
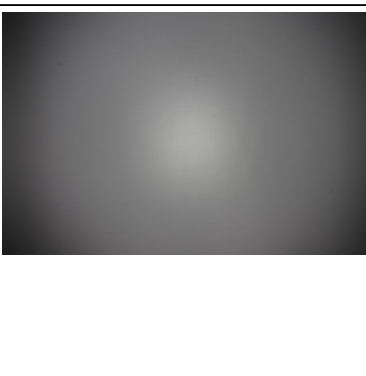
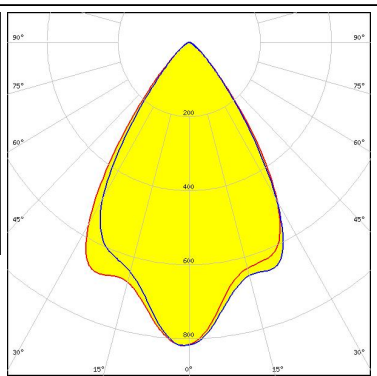


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

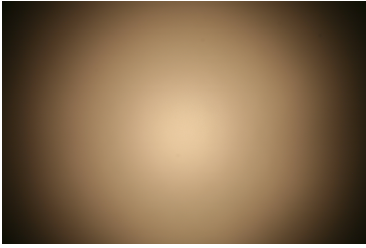
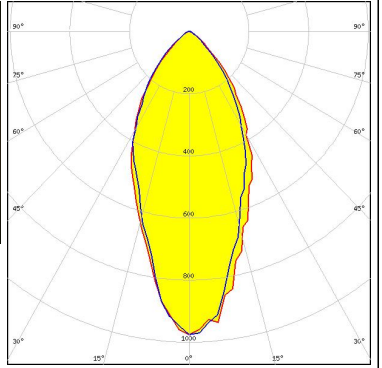

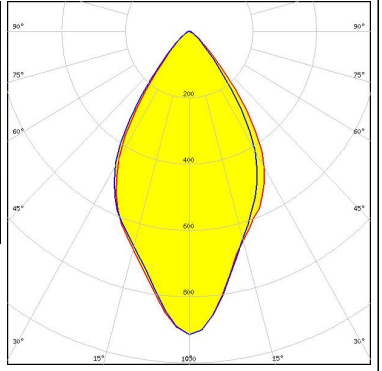
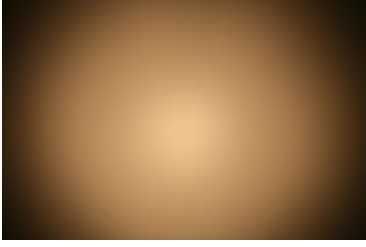
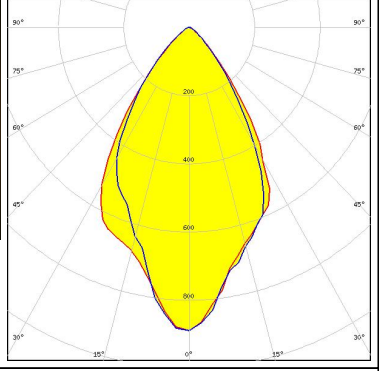
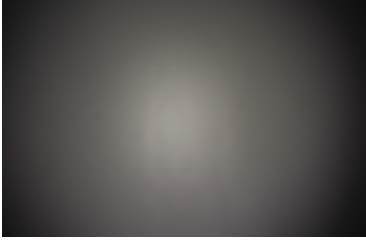
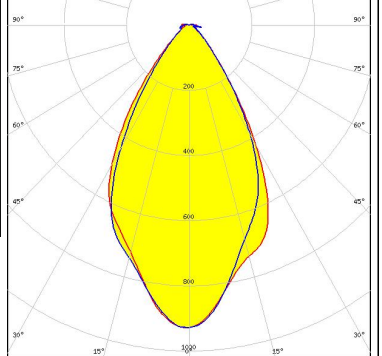
### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED XHP35 HD            FWHM / FWTM 70.0° / 101.0°            Efficiency 82 %            Peak intensity 0.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED XP-E            FWHM / FWTM 58.0° / 89.0°            Efficiency 86 %            Peak intensity 1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED XP-E2            FWHM / FWTM 69.0° / 94.0°            Efficiency 86 %            Peak intensity 0.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED XP-G            FWHM / FWTM 57.0° / 88.0°            Efficiency 86 %            Peak intensity 1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		


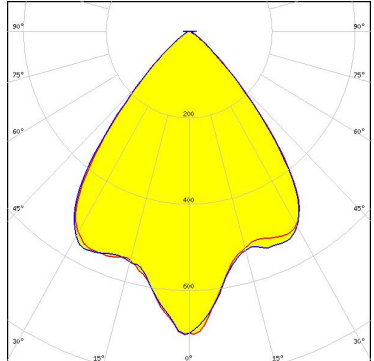

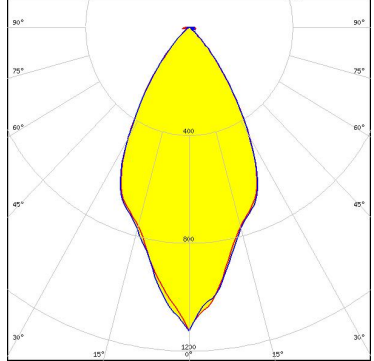

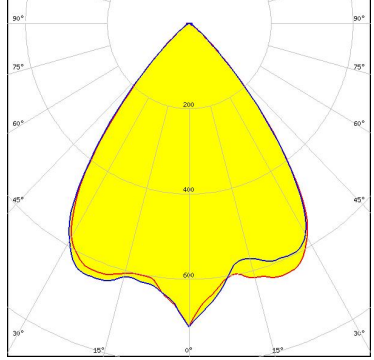

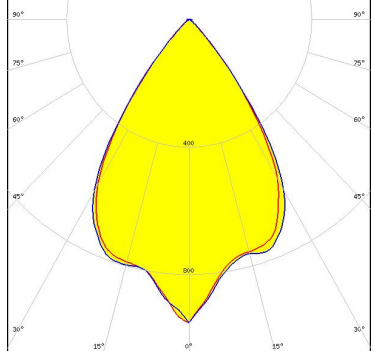
### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED                    XP-G2            FWHM / FWTM      61.0° / 95.0°            Efficiency            87 %            Peak intensity      0.9 cd/m            LEDs/each optic    1            Light colour        White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED                    XP-G3            FWHM / FWTM      63.0° / 96.0°            Efficiency            93 %            Peak intensity      0.8 cd/m            LEDs/each optic    1            Light colour        White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED                    XP-L HD            FWHM / FWTM      69.0° / 100.0°            Efficiency            82 %            Peak intensity      0.7 cd/m            LEDs/each optic    1            Light colour        White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED                    XP-L HI            FWHM / FWTM      66.0° / 93.0°            Efficiency            88 %            Peak intensity      0.8 cd/m            LEDs/each optic    1            Light colour        White            Required components:</p>		

### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON A            FWHM / FWTM 57.0° / 92.0°            Efficiency 84 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NCSxx19B            FWHM / FWTM 60.0° / 91.0°            Efficiency 83 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM Square EC            FWHM / FWTM 61.0° / 92.0°            Efficiency 85 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED Z8Y22P            FWHM / FWTM 60.0° / 92.0°            Efficiency 92 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### OPTICAL RESULTS (SIMULATED):

	<p>LED XP-G2 HE            FWHM / FWTM 78.0° / 102.0°            Efficiency 95 %            Peak intensity 0.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED NCSxE17A            FWHM / FWTM 54.0° / 86.0°            Efficiency 90 %            Peak intensity 1.1 cd/lm            LEDs/each optic 4            Light colour White            Required components:</p>	
	<p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 76.0° / 98.0°            Efficiency 95 %            Peak intensity 0.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
 <p>Opto Semiconductors</p>	<p>LED OSCONIQ P 3030            FWHM / FWTM 67.0° / 88.0°            Efficiency 97 %            Peak intensity 1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSLON SSL 150</p> <p>FWHM / FWTM: 74.0° / 92.0°</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 0.8 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: OSLON SSL 150</p> <p>FWHM / FWTM: 74.0° / 92.0°</p> <p>Efficiency: 97 %</p> <p>Peak intensity: 0.8 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: OSLON SSL 80</p> <p>FWHM / FWTM: 72.0° / 91.0°</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 0.8 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: SFH 4716AS</p> <p>FWHM / FWTM: 62.0° / 84.0°</p> <p>Efficiency: 96 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	

### 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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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

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