

## EMILY-WW

~45° wide beam. 14.74 mm high lens.

### SPECIFICATION:

Dimensions	Ø 26.0 mm
Height	14.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

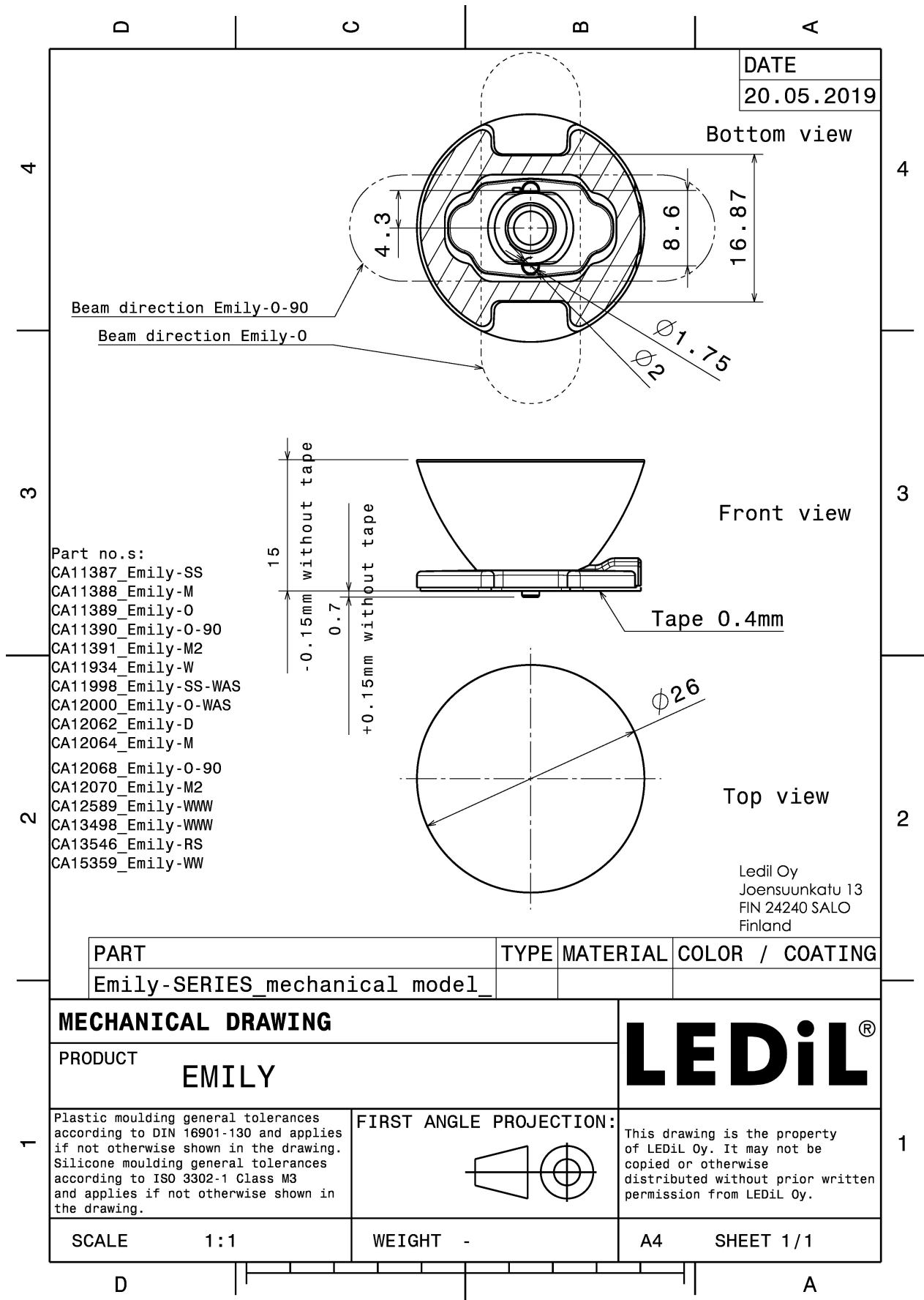
### MATERIALS:

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

### ORDERING INFORMATION:


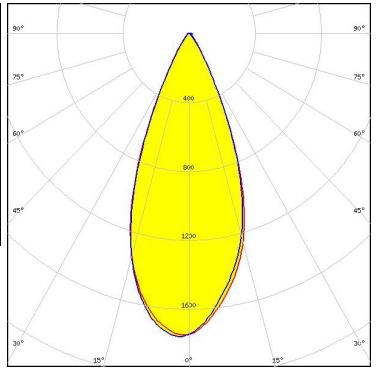

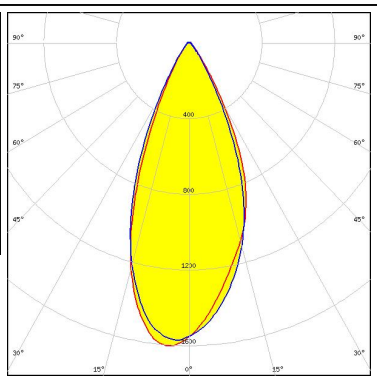
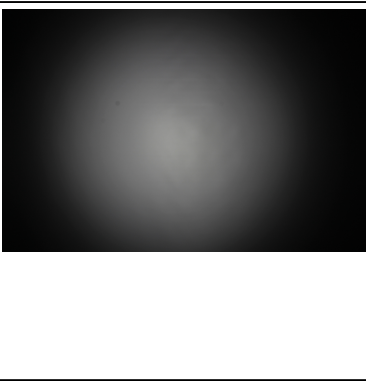
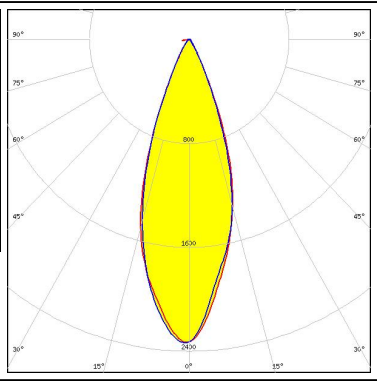

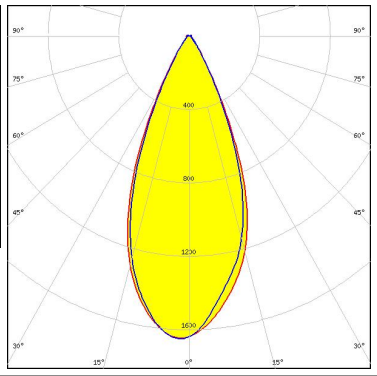
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA15359_EMILY-WW	Single lens	1690	260	130	11.3
» Box size: 480 x 280 x 300 mm					





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

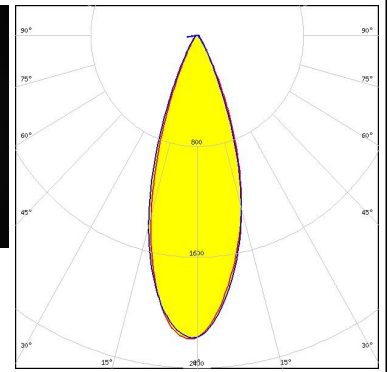
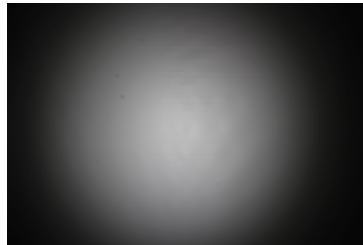
#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LED</p> <p>LED: XP-L HI            FWHM / FWTM: 42.0° / 65.0°            Efficiency: 93 %            Peak intensity: 1.8 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED: NVSW219F            FWHM / FWTM: 44.0° / 69.0°            Efficiency: 92 %            Peak intensity: 1.6 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: OSLOM Black Flat            FWHM / FWTM: 35.0° / 57.0°            Efficiency: 92 %            Peak intensity: 2.3 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: OSLOM Square CSSRM2/CSSRM3            FWHM / FWTM: 44.0° / 67.0°            Efficiency: 93 %            Peak intensity: 1.7 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		

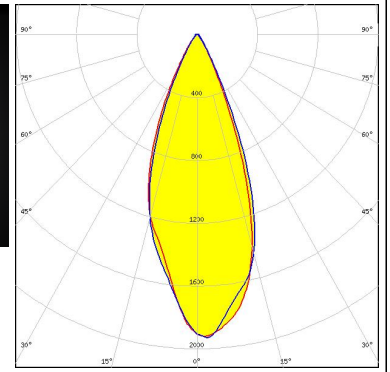
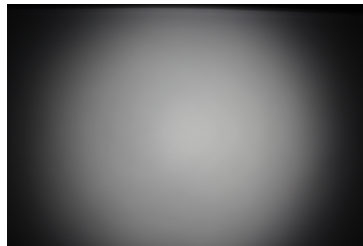
**OPTICAL RESULTS (MEASURED):**

## SAMSUNG

LED LH181B  
 FWHM / FWTM 35.0° / 59.0°  
 Efficiency 93 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



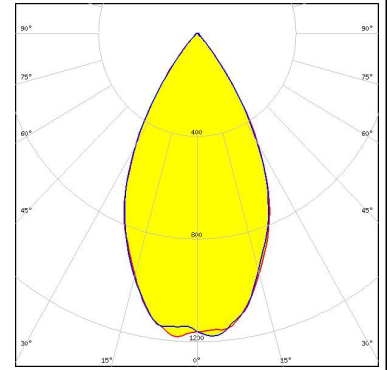
SEOUL SEMICONDUCTOR  
 LED nPola  
 FWHM / FWTM 50.0° / 85.0°  
 Efficiency 92 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

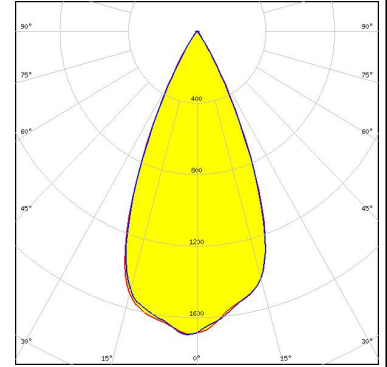
#### CREE LED

LED XHP35 HD  
 FWHM / FWTM 55.0° / 80.0°  
 Efficiency 96 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



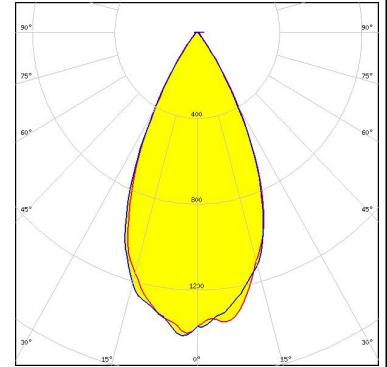
#### CREE LED

LED XP-E2  
 FWHM / FWTM 46.0° / 64.0°  
 Efficiency 97 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



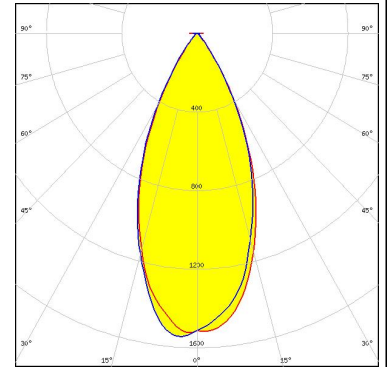
#### CREE LED

LED XP-G2 HE  
 FWHM / FWTM 50.0° / 72.0°  
 Efficiency 96 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


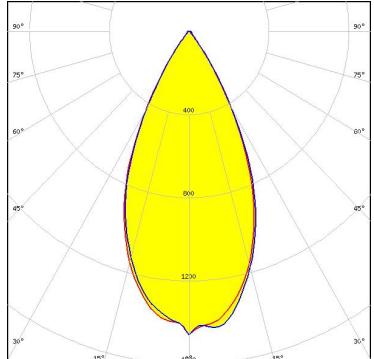

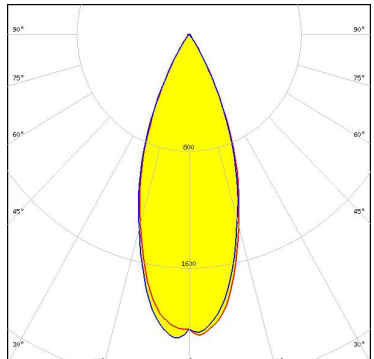

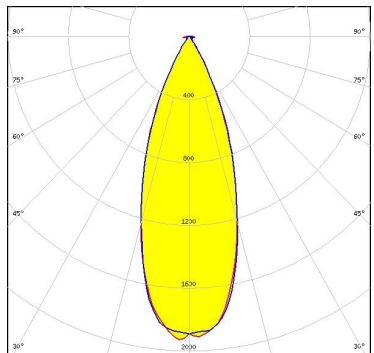

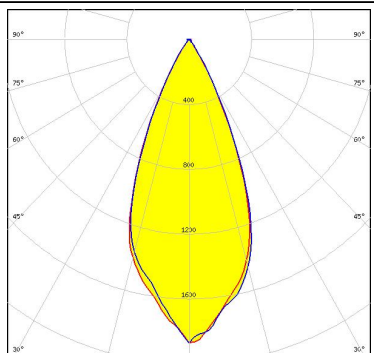


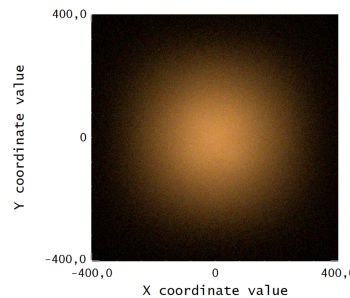
#### CREE LED

LED XP-L2  
 FWHM / FWTM 46.0° / 73.0°  
 Efficiency 94 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

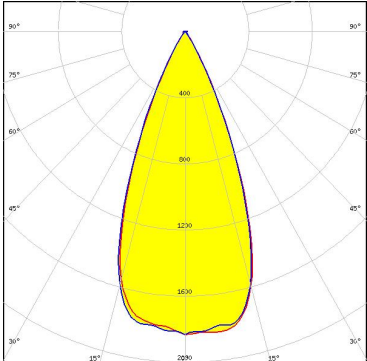
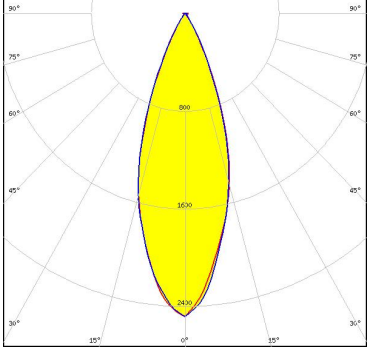
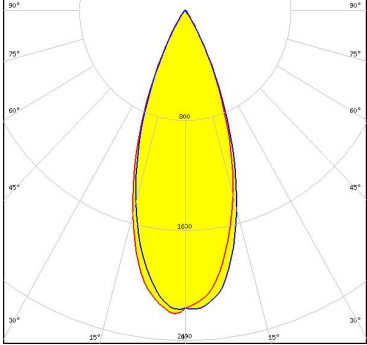


#### OPTICAL RESULTS (SIMULATED):

	<p>LED LUXEON HL2X</p> <p>FWHM / FWTM 49.0° / 72.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
	<p>LED LUXEON MZ</p> <p>FWHM / FWTM 39.0° / 64.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
	<p>LED NCSxE17A</p> <p>FWHM / FWTM 37.0° / 62.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 4</p> <p>Light colour White</p> <p>Required components:</p>	
 <p>Opto Semiconductors</p>	<p>LED OSLOM SSL 150</p> <p>FWHM / FWTM 44.0° / 64.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	



### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSLON SSL 80</p> <p>FWHM / FWTM: 44.0° / 62.0°</p> <p>Efficiency: 97 %</p> <p>Peak intensity: 1.8 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: 35.0° / 58.0°</p> <p>Efficiency: 97 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED: Z5M4</p> <p>FWHM / FWTM: 39.0° / 62.0°</p> <p>Efficiency: 97 %</p> <p>Peak intensity: 2.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</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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