

## EMILY-M

~20° medium beam. 14.85 mm high lens.

### SPECIFICATION:

Dimensions	Ø 26.0 mm
Height	14.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

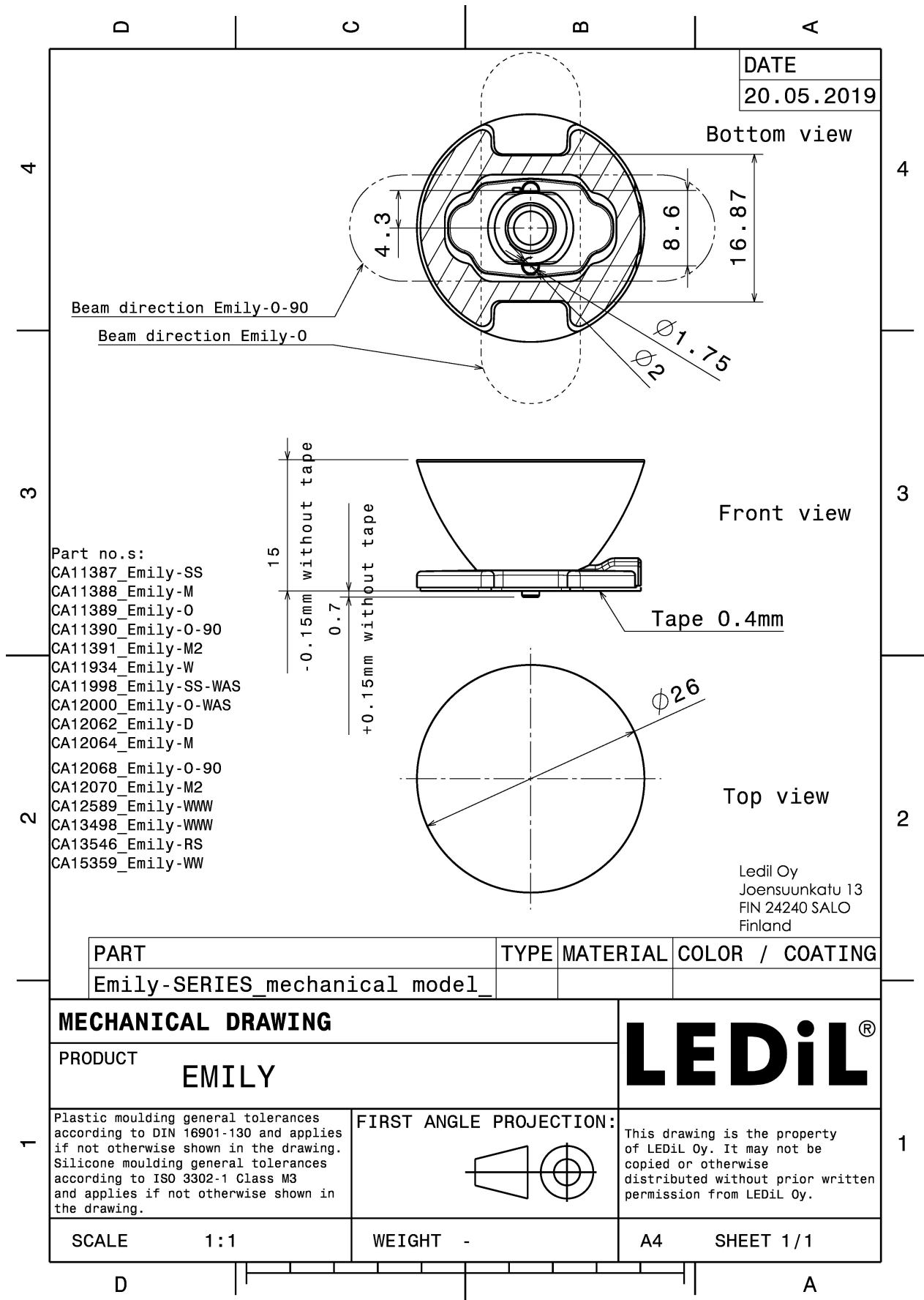
### MATERIALS:

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

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12064_EMILY-M	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)

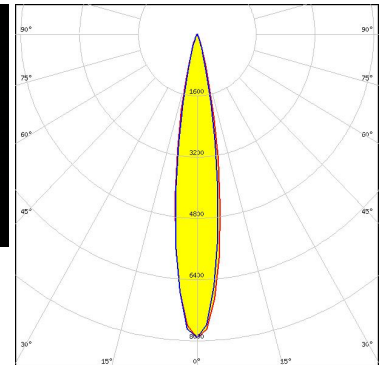
### OPTICAL RESULTS (MEASURED):

#### CREE LED

LED XM-L  
 FWHM / FWTM 18.0°  
 Efficiency 93 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

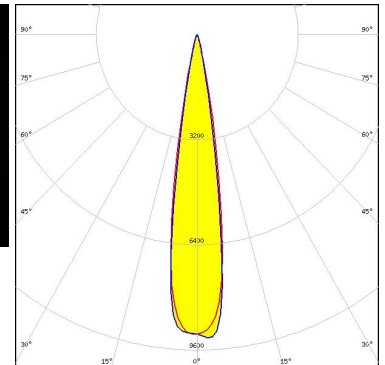
#### CREE LED

LED XM-L2  
 FWHM / FWTM 18.0° / 33.0°  
 Efficiency 90 %  
 Peak intensity 7.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



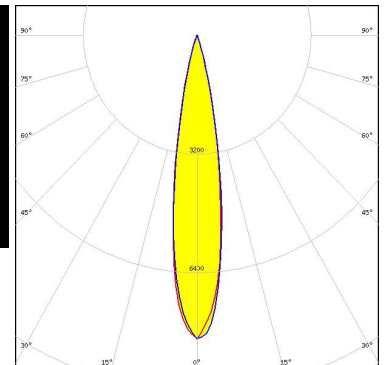
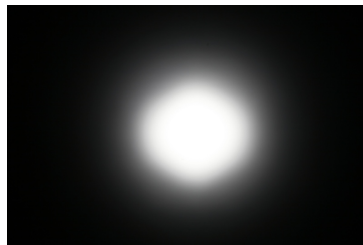
#### CREE LED

LED XP-E2  
 FWHM / FWTM 17.0° / 27.0°  
 Efficiency 87 %  
 Peak intensity 9.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE LED

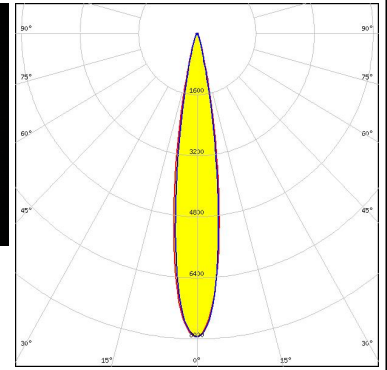
LED XP-G2  
 FWHM / FWTM 18.0° / 29.0°  
 Efficiency 90 %  
 Peak intensity 10.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (MEASURED):

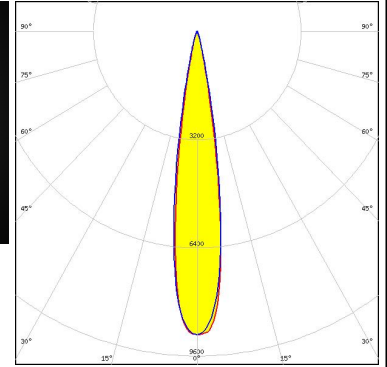
#### CREE LED

LED XP-G3  
 FWHM / FWTM 17.0° / 30.0°  
 Efficiency 94 %  
 Peak intensity 8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE LED

LED XP-L HI  
 FWHM / FWTM 17.0° / 27.0°  
 Efficiency 88 %  
 Peak intensity 9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE LED

LED XT-E  
 FWHM / FWTM 17.0°  
 Efficiency %  
 Peak intensity 6.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### LUMILEDS

LED LUXEON A  
 FWHM / FWTM 18.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

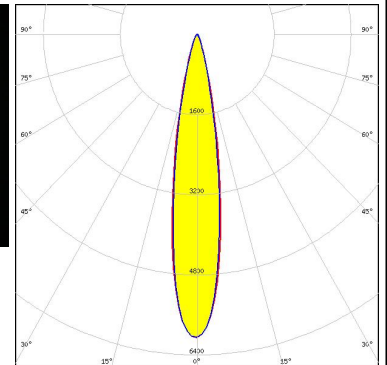
### OPTICAL RESULTS (MEASURED):



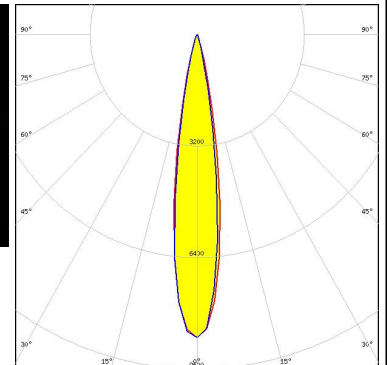
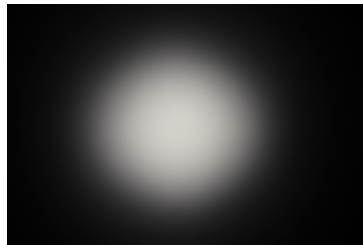
LED LUXEON Rebel ES  
 FWHM / FWTM 18.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



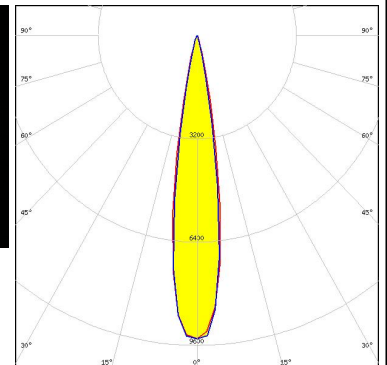
LED NS9x383  
 FWHM / FWTM 18.0° / 35.0°  
 Efficiency 90 %  
 Peak intensity 6.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LH351B  
 FWHM / FWTM 17.0° / 30.0°  
 Efficiency 88 %  
 Peak intensity 8.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LH351Z  
 FWHM / FWTM 18.0° / 29.0°  
 Efficiency 89 %  
 Peak intensity 9.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (MEASURED):



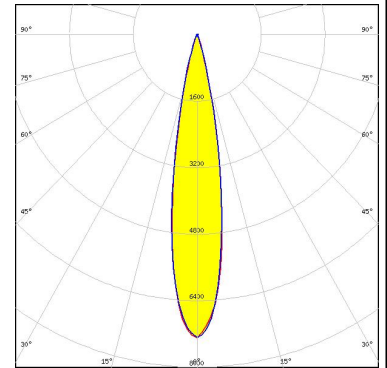
### OPTICAL RESULTS (SIMULATED):



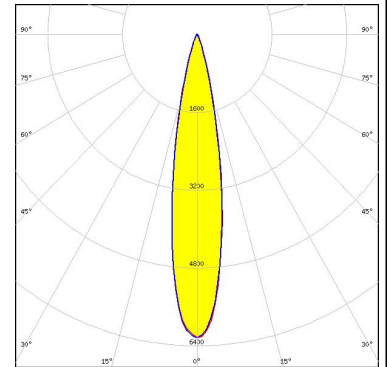
LED XM-L HVW  
 FWHM / FWTM 19.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



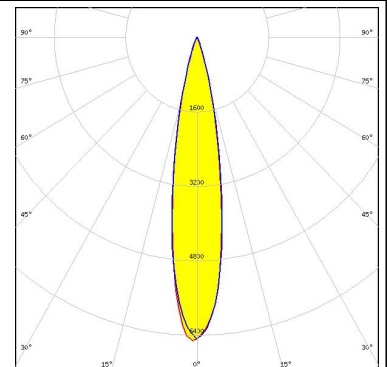
LED XP-G2 HE  
 FWHM / FWTM 18.0° / 33.0°  
 Efficiency 94 %  
 Peak intensity 7.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



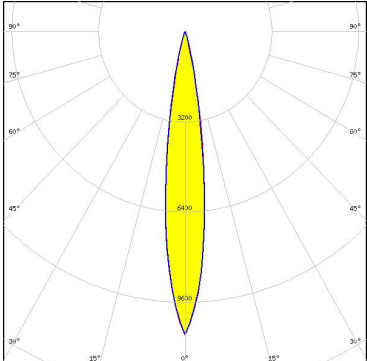
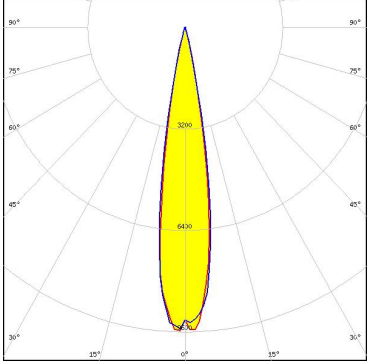
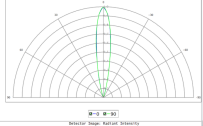
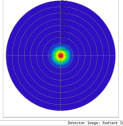
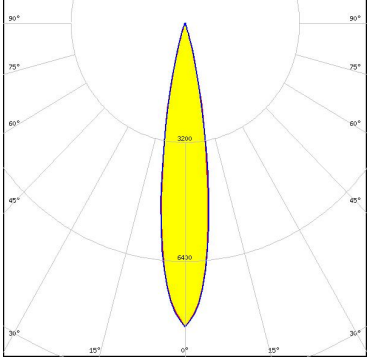
LED XP-L2  
 FWHM / FWTM 20.0° / 36.0°  
 Efficiency 94 %  
 Peak intensity 6.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON MZ  
 FWHM / FWTM 19.0° / 36.0°  
 Efficiency 96 %  
 Peak intensity 6.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSLOn Black</p> <p>FWHM / FWTM: 15.0° / 27.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 10.9 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 Black Flat</p> <p>FWHM / FWTM: 17.0° / 28.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 10 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 4725AS</p> <p>FWHM / FWTM: 18.0° / 32.0°</p> <p>Efficiency: 94 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	<div style="display: flex; align-items: center;">    </div>



### 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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