

## EMILY-O-90

~10° x 45° oval beam. 14.97 mm high lens.  
Variant with beam direction rotated 90°.



### TECHNICAL SPECIFICATIONS:

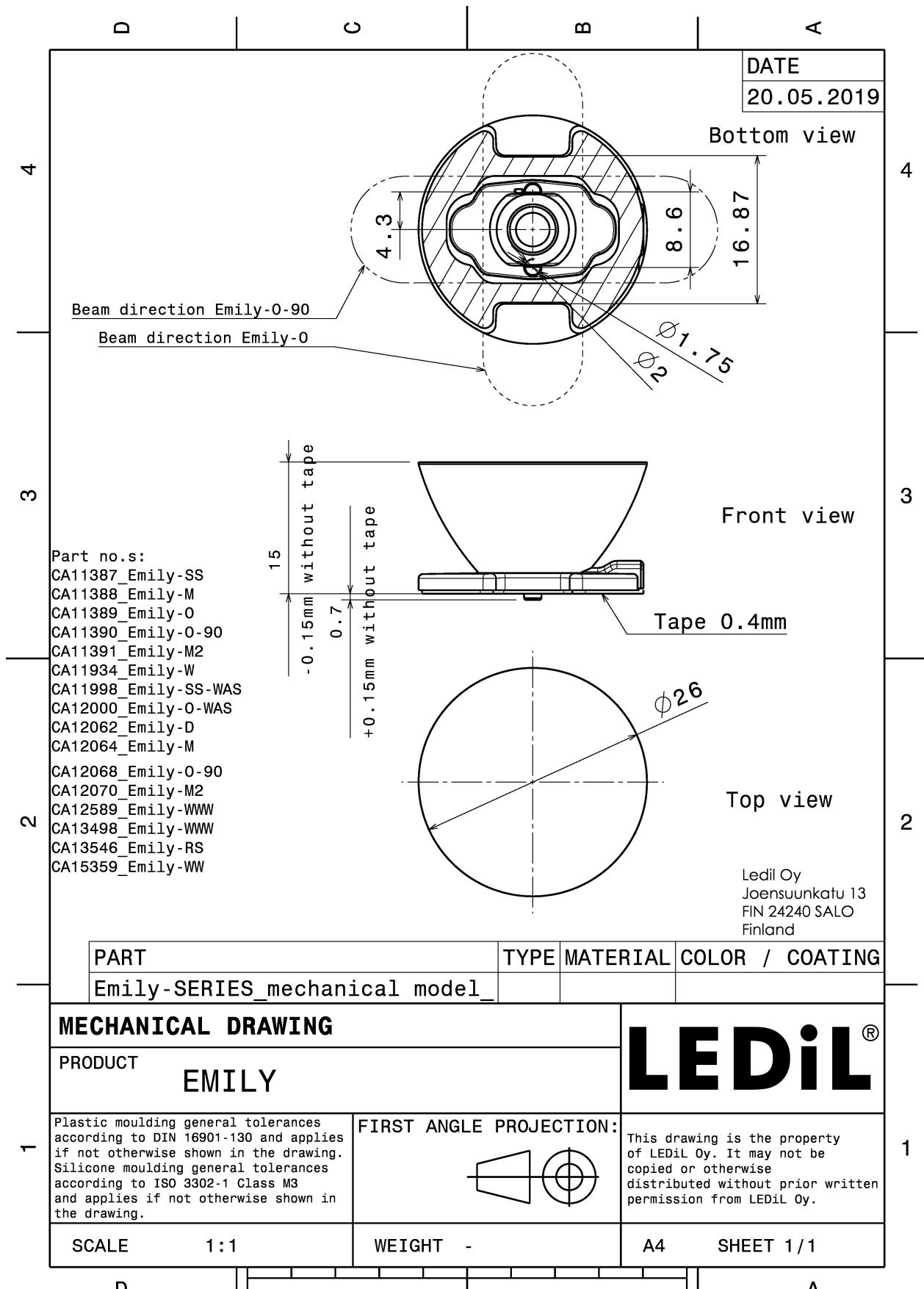
Dimensions	Ø 26.0 mm
Height	15 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
EMILY-O-90	Single lens	PMMA		
SPUTNIK-TAPE	Tape	PU tape		

### ORDERING INFORMATION:

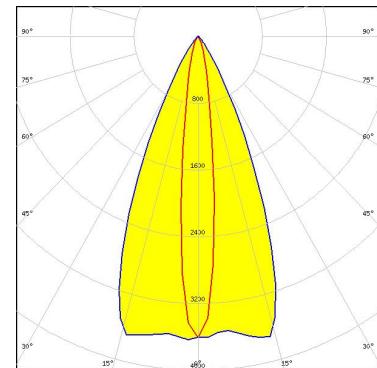
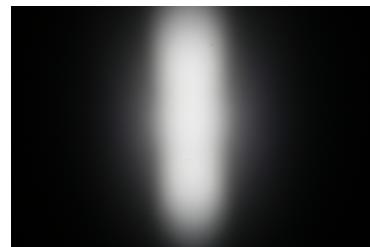
Component	Qty in box	MOQ	MPQ	Box weight (kg)	
CA12068_EMILY-O-90 » Box size: 480 x 280 x 300 mm	Single lens	1690	260	130	10.5



## PHOTOMETRIC DATA (MEASURED):

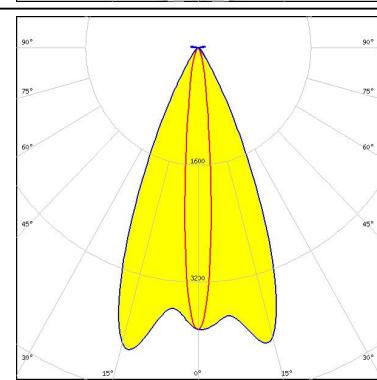
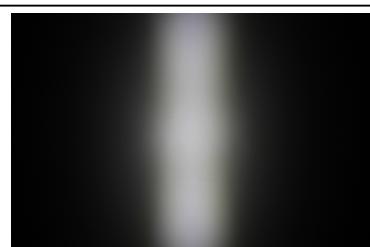
### CREE

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



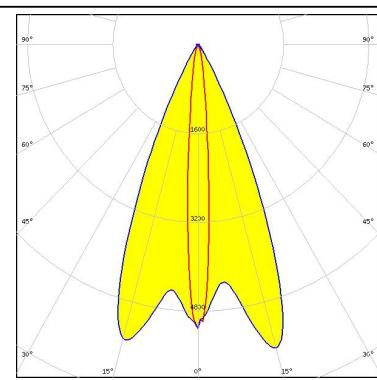
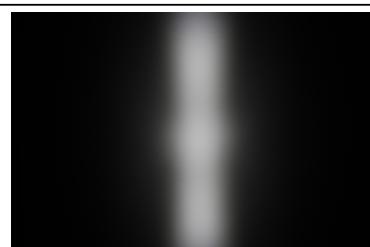
### CREE

LED XM-L2  
FWHM 14.0 + 48.0°  
Efficiency 87 %  
Peak intensity 3.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### CREE

LED XP-G3  
FWHM 11.0 + 48.0°  
Efficiency 92 %  
Peak intensity 4.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



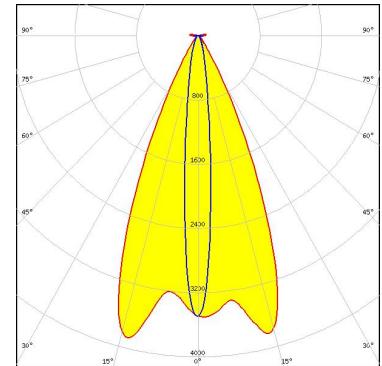
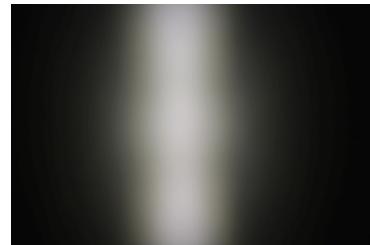
## PHOTOMETRIC DATA (MEASURED):



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

SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM 11.0 + 48.0°  
Efficiency 92 %  
Peak intensity 3.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



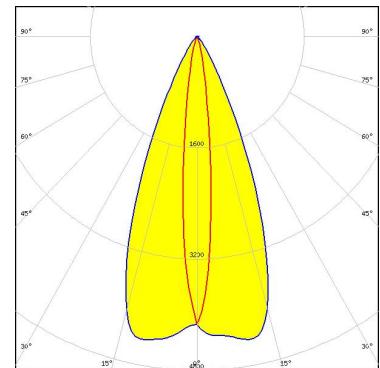
## PHOTOMETRIC DATA (SIMULATED):

### CREE®

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

### CREE®

LED XP-G2 HE  
FWHM 12.0 + 44.0°  
Efficiency 92 %  
Peak intensity 4.433 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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