

## EMILY-RS

~8° spot beam. 14.74 mm high lens.

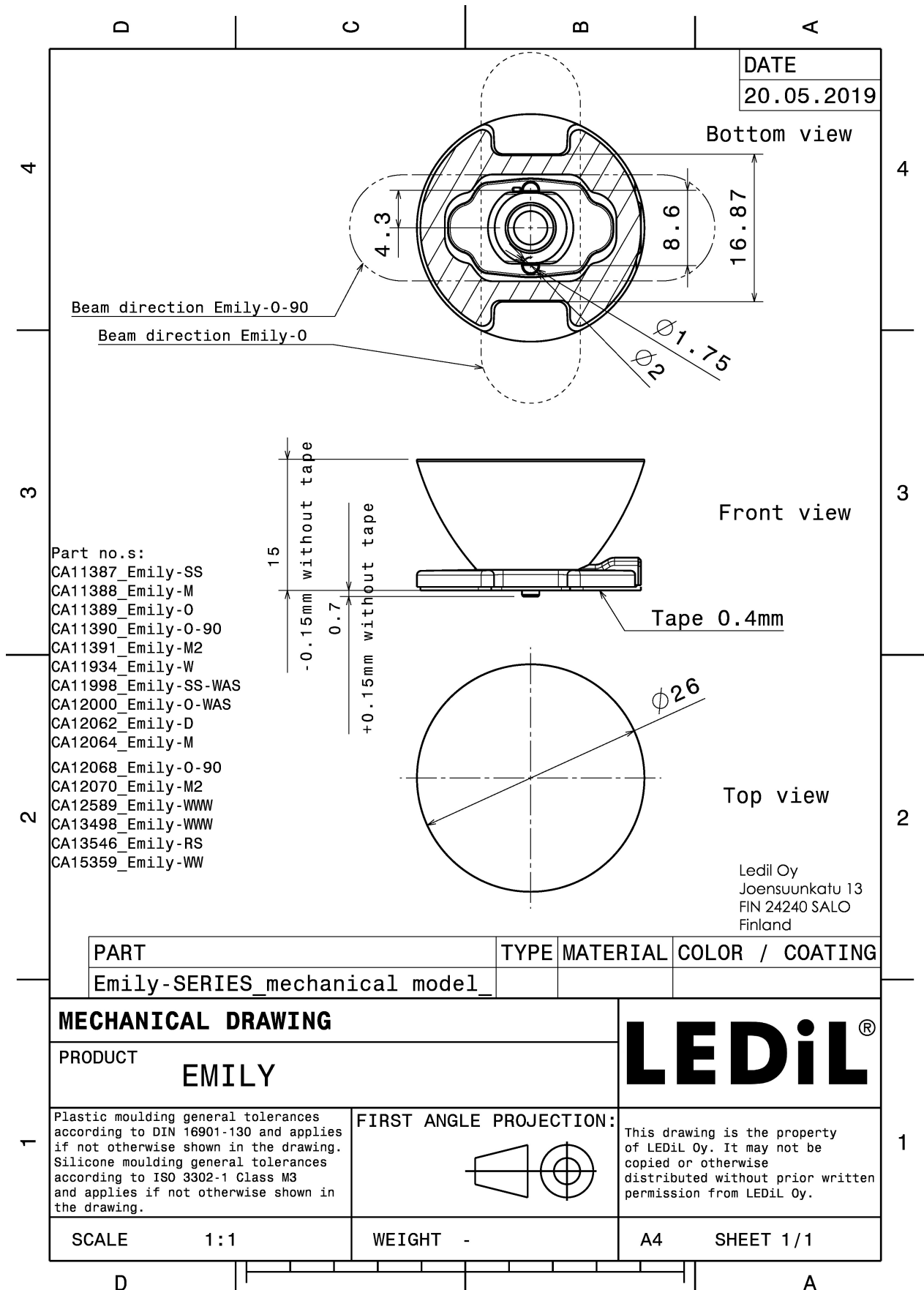
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 26.0 mm
Height	14.7 mm
Fastening	tape
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	10.3 kg
Quantity in Box	1690 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

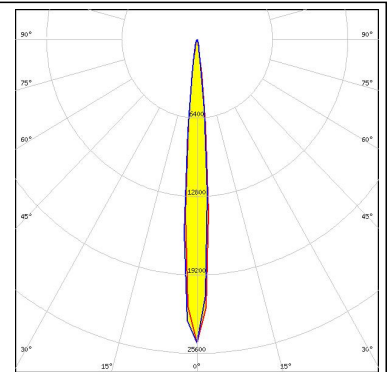
Component	Type	Material	Colour
EMILY-RS	Single lens	PMMA	clear
SPUTNIK-TAPE	Tape	PU tape	black



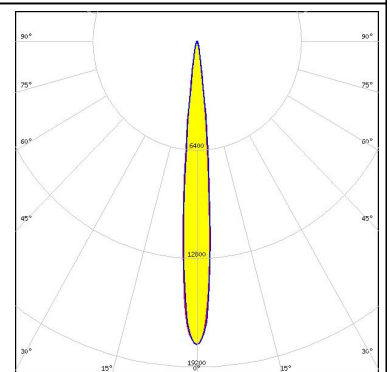
#### PHOTOMETRIC DATA (MEASURED):



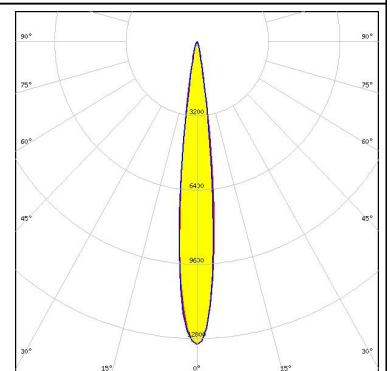
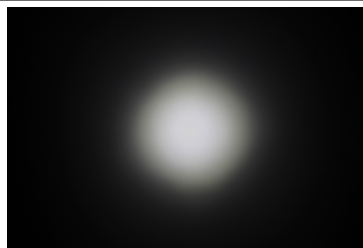
LED XB-H  
 FWHM 9.0°  
 Efficiency 88 %  
 Peak intensity 24.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



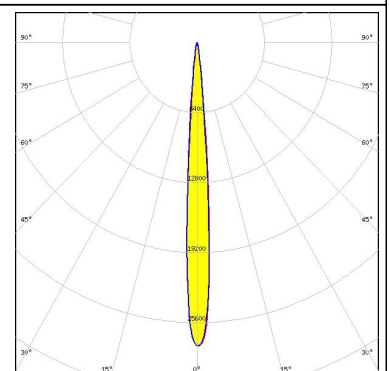
LED XP-G3  
 FWHM 10.0°  
 Efficiency 94 %  
 Peak intensity 18.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-L HD  
 FWHM 13.0°  
 Efficiency 89 %  
 Peak intensity 13.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



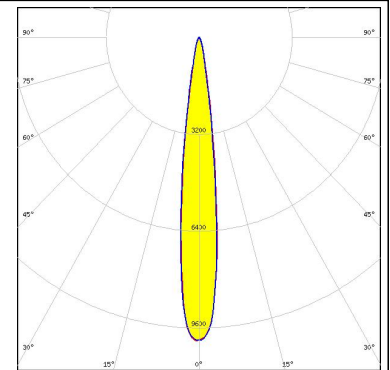
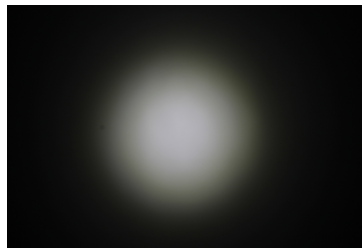
LED XP-L HI  
 FWHM 8.0°  
 Efficiency 88 %  
 Peak intensity 28.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



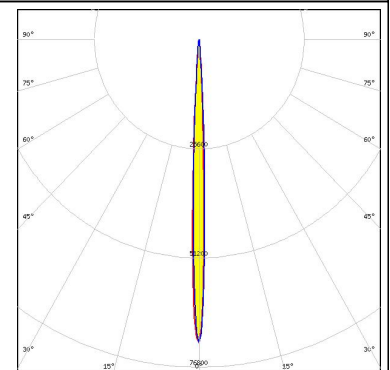
#### PHOTOMETRIC DATA (MEASURED):



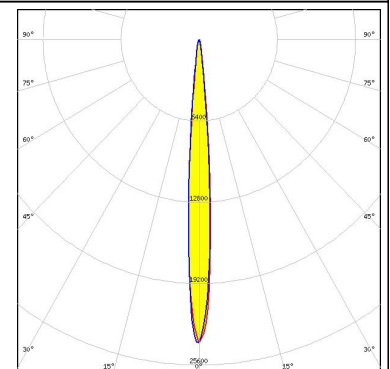
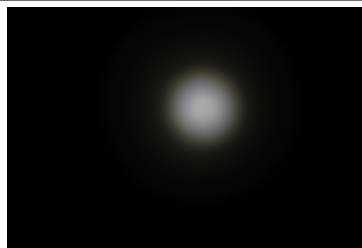
LED XP-L2  
 FWHM 13.0°  
 Efficiency 93 %  
 Peak intensity 10.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



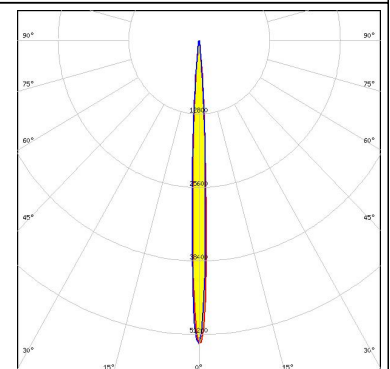
LED XQ-E HI  
 FWHM 4.0°  
 Efficiency 94 %  
 Peak intensity 71.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XT-E  
 FWHM 8.0°  
 Efficiency 91 %  
 Peak intensity 23.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



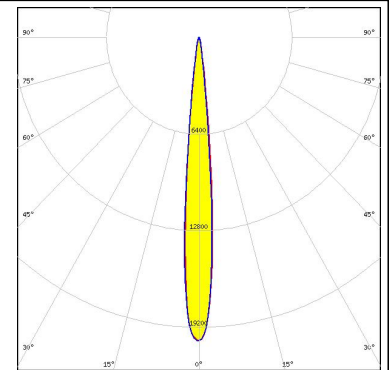
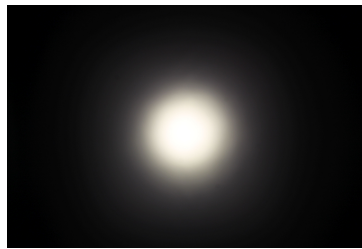
LED LUXEON Z ES  
 FWHM 5.0°  
 Efficiency 91 %  
 Peak intensity 52.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



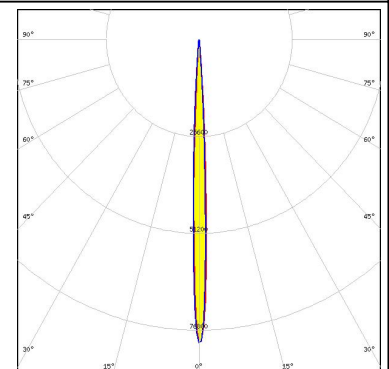
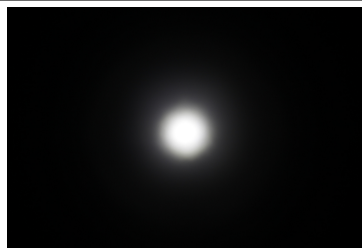
#### PHOTOMETRIC DATA (MEASURED):



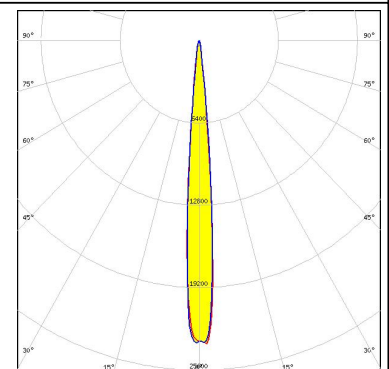
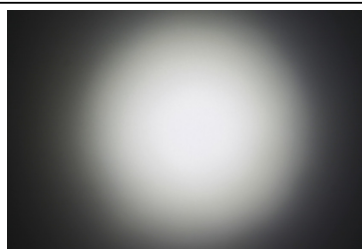
LED NVSW219D  
 FWHM 10.0°  
 Efficiency 94 %  
 Peak intensity 20.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSOLON Square EC  
 FWHM 8.0°  
 Efficiency 90 %  
 Peak intensity 29.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED nPola  
 FWHM 5.0°  
 Efficiency 94 %  
 Peak intensity 81.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

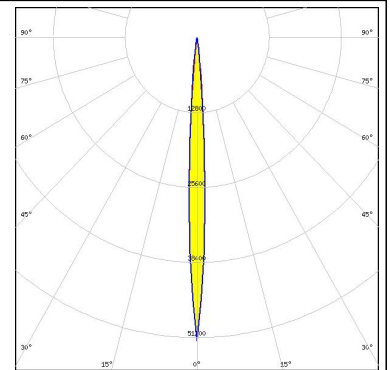


LED Z5M1/Z5M2  
 FWHM 9.0°  
 Efficiency 91 %  
 Peak intensity 23.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

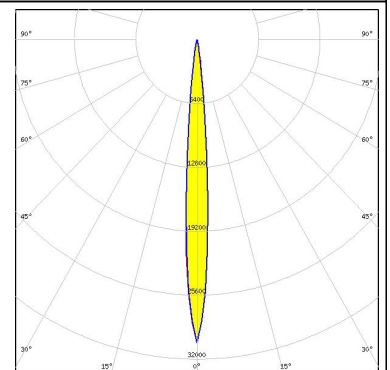
#### PHOTOMETRIC DATA (SIMULATED):



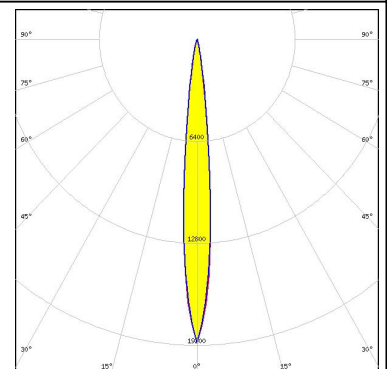
LED XP-E2  
 FWHM 6.0°  
 Efficiency 94 %  
 Peak intensity 51.778 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



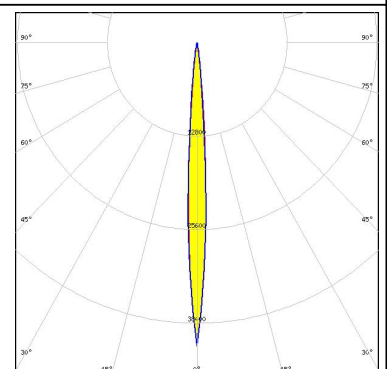
LED XP-G2  
 FWHM 8.0°  
 Efficiency 94 %  
 Peak intensity 30.375 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G2 HE  
 FWHM 10.0°  
 Efficiency 95 %  
 Peak intensity 19.050 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON Rebel  
 FWHM 6.0°  
 Efficiency 94 %  
 Peak intensity 41.509 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON Rebel Plus            FWHM 6.0°            Efficiency 94 %            Peak intensity 42.128 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON Z            FWHM 5.9°            Efficiency 94 %            Peak intensity 65.300 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NCSxE17A            FWHM 8.0°            Efficiency 92 %            Peak intensity 32.543 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM 8.0°            Efficiency 93 %            Peak intensity 26.245 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

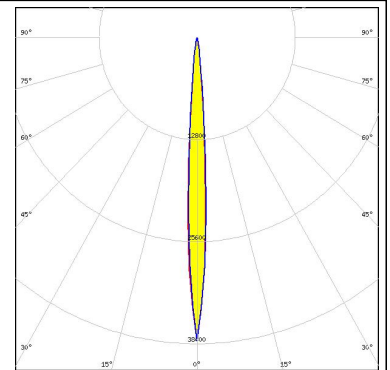
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED                   OSCONIQ P 3030</p> <p>FWHM                10.0°</p> <p>Efficiency           96 %</p> <p>Peak intensity      20.829 cd/lm</p> <p>LEDs/each optic   1</p> <p>Light colour        White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED                   OSLON Black</p> <p>FWHM                11.0°</p> <p>Efficiency           94 %</p> <p>Peak intensity      19.700 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                6.3°</p> <p>Efficiency           94 %</p> <p>Peak intensity      50.400 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 Square CSSRM2/CSSRM3</p> <p>FWHM                11.0°</p> <p>Efficiency           94 %</p> <p>Peak intensity      19.400 cd/lm</p> <p>LEDs/each optic   1</p> <p>Light colour        White</p> <p>Required components:</p>	



### PHOTOMETRIC DATA (SIMULATED):

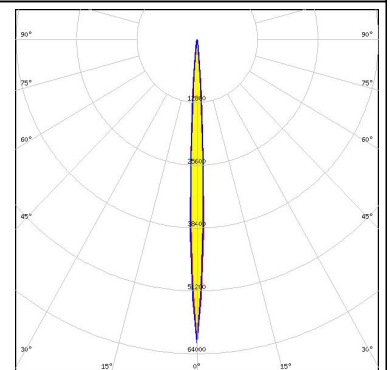
#### OSRAM Opto Semiconductors

LED OSLON SSL 80  
FWHM 7.0°  
Efficiency 94 %  
Peak intensity 38.044 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



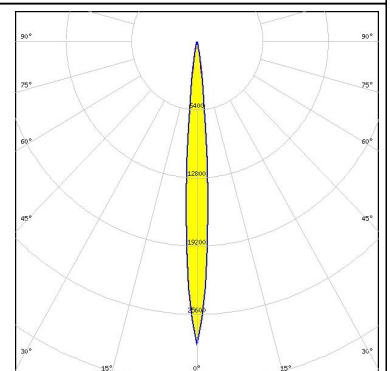
#### OSRAM Opto Semiconductors

LED SFH 4170S  
FWHM 6.0°  
Efficiency 87 %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour IR  
Required components:



#### SAMSUNG

LED LM301B  
FWHM 9.0°  
Efficiency 94 %  
Peak intensity 28.460 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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