

## EMILY-W

~40° wide beam 14.74 mm high lens.

### SPECIFICATION:

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

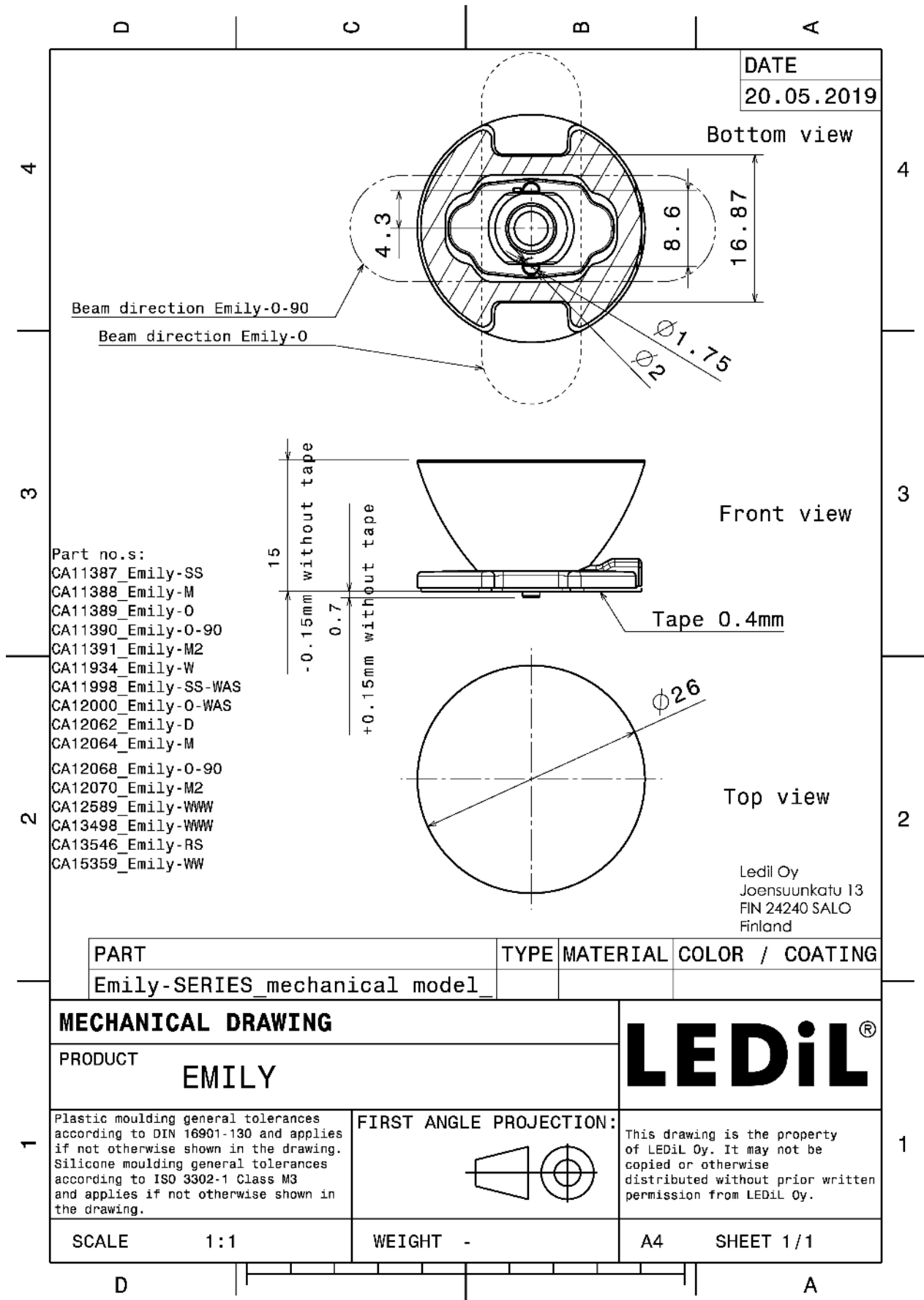
### MATERIALS:

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

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11934_EMILY-W	Single lens	1690	260	130	11.8
» Box size: 480 x 280 x 300 mm					



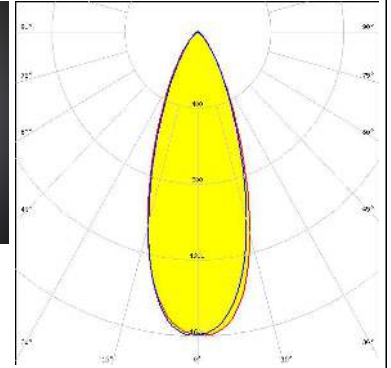


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

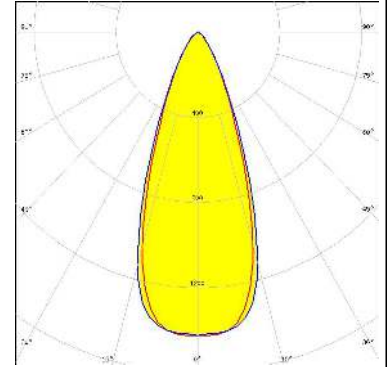
#### CREE → LED

LED XHP35 HD  
 FWHM / FWTM 39.0° / 72.0°  
 Efficiency 83 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



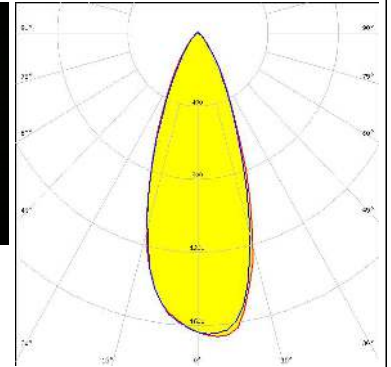
#### CREE → LED

LED XM-L  
 FWHM / FWTM 36.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



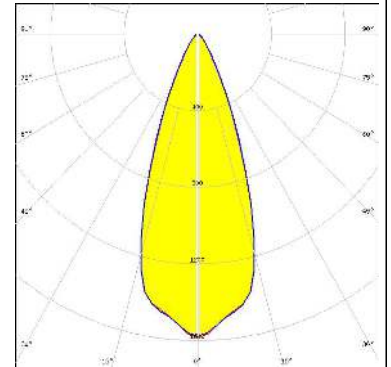
#### CREE → LED

LED XM-L2  
 FWHM / FWTM 39.0° / 72.0°  
 Efficiency 86 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

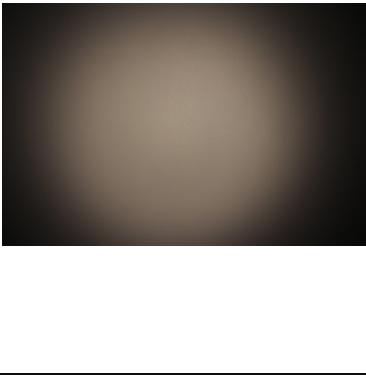
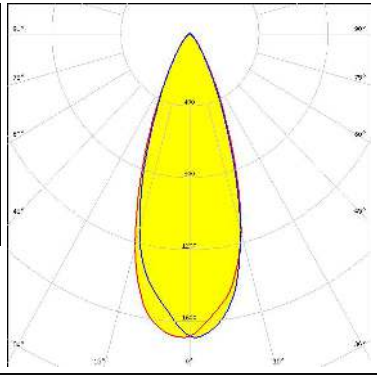

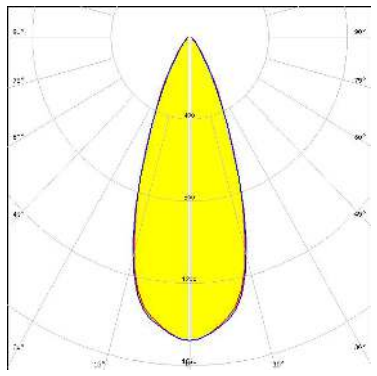

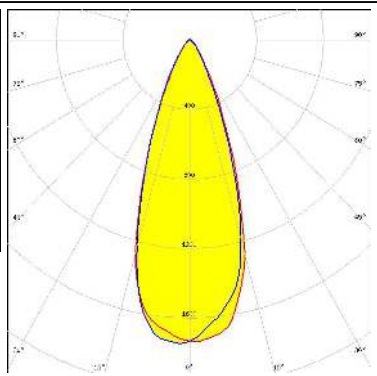
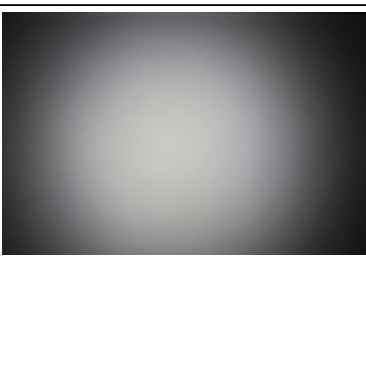
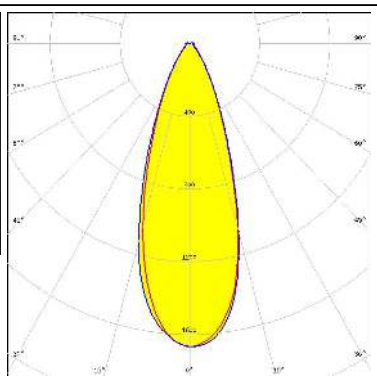


#### CREE → LED

LED XP-E  
 FWHM / FWTM 39.0° / 64.0°  
 Efficiency 86 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



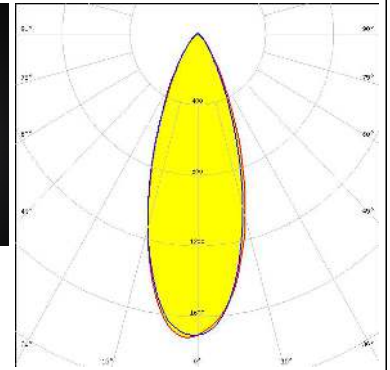
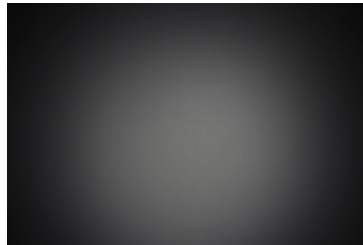
#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED XP-E2            FWHM / FWTM 39.0° / 67.0°            Efficiency 84 %            Peak intensity 1.7 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 40.0° / 68.0°            Efficiency 86 %            Peak intensity 1.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED XP-G2            FWHM / FWTM 38.0° / 66.0°            Efficiency 84 %            Peak intensity 1.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED XP-G3            FWHM / FWTM 36.0° / 70.0°            Efficiency 92 %            Peak intensity 1.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### OPTICAL RESULTS (MEASURED):

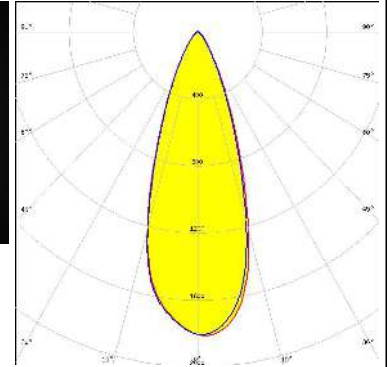
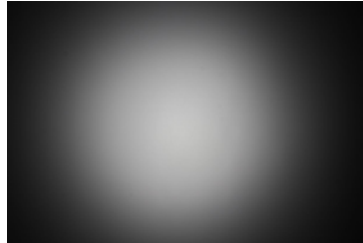
#### CREE → LED

LED XP-L HD  
 FWHM / FWTM 38.0° / 71.0°  
 Efficiency 87 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE → LED

LED XP-L HI  
 FWHM / FWTM 36.0° / 65.0°  
 Efficiency 86 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE → LED

LED XT-E  
 FWHM / FWTM 36.0°  
 Efficiency %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### LUMILEDS

LED LUXEON A  
 FWHM / FWTM 40.0°  
 Efficiency 84 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

### OPTICAL RESULTS (MEASURED):



LED LUXEON Rebel  
FWHM / FWTM 40.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour White  
Required components:



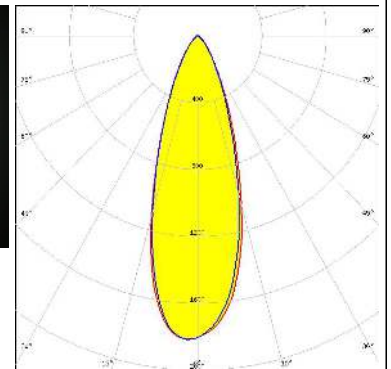
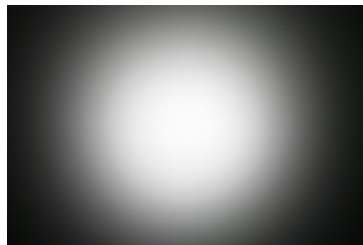
LED LUXEON Rebel ES  
FWHM / FWTM 40.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour White  
Required components:



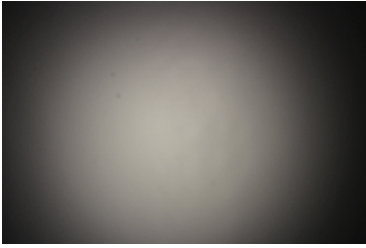
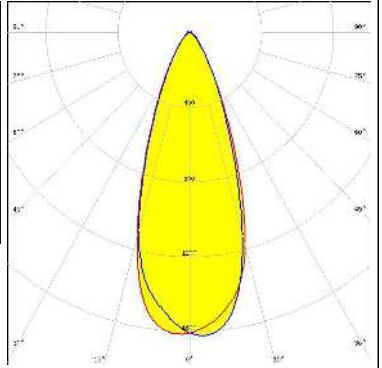
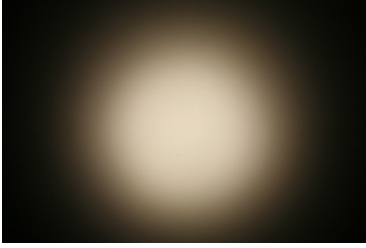
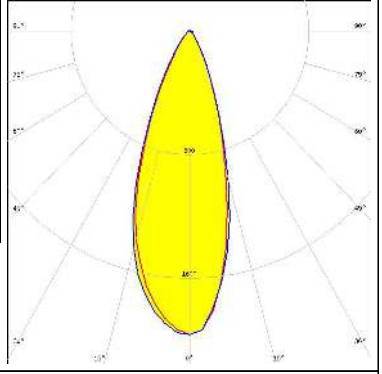
LED NCSxx19A  
FWHM / FWTM 40.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour White  
Required components:



LED NS9x383  
FWHM / FWTM 34.0° / 67.0°  
Efficiency 84 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



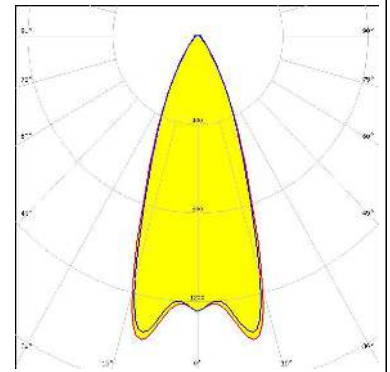
#### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NVSW219F            FWHM / FWTM 38.0° / 69.0°            Efficiency 91 %            Peak intensity 1.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19A            FWHM / FWTM 40.0°            Efficiency 86 %            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLON Square EC            FWHM / FWTM 38.0° / 68.0°            Efficiency 84 %            Peak intensity 1.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLON SSL 150            FWHM / FWTM 40.0°            Efficiency 86 %            LEDs/each optic 1            Light colour White            Required components:</p>		

### OPTICAL RESULTS (MEASURED):

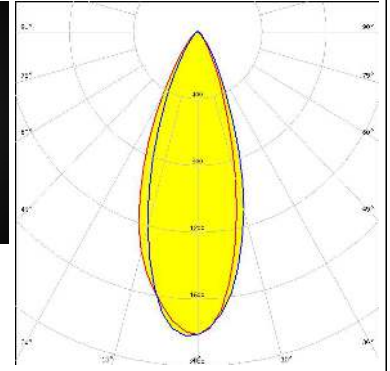
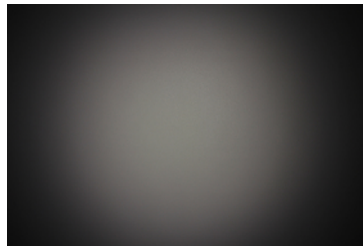
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
 FWHM / FWTM 40.0° / 70.0°  
 Efficiency 86 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



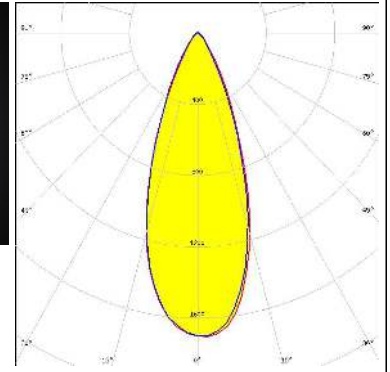
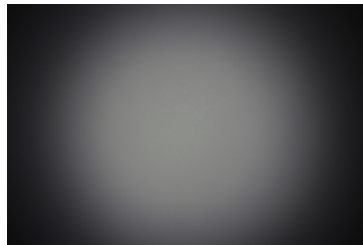
**SAMSUNG**

LED LH351B  
 FWHM / FWTM 38.0° / 68.0°  
 Efficiency 88 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**SAMSUNG**

LED LH351Z  
 FWHM / FWTM 39.0° / 68.0°  
 Efficiency 85 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


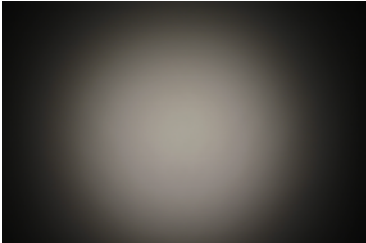
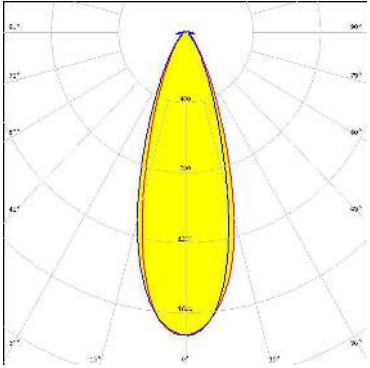


SEOUL SEMICONDUCTOR

LED Z5  
 FWHM / FWTM 40.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (MEASURED):

 SEOUL SEMICONDUCTOR			
LED	Z8Y22P		
FWHM / FWTM	34.0° / 67.0°		
Efficiency	89 %		
Peak intensity	1.7 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			
<b>SHARP</b>			
LED	Double Dome (GM2BB)		
FWHM / FWTM	40.0°		
Efficiency	86 %		
LEDs/each optic	1		
Light colour	White		
Required components:			

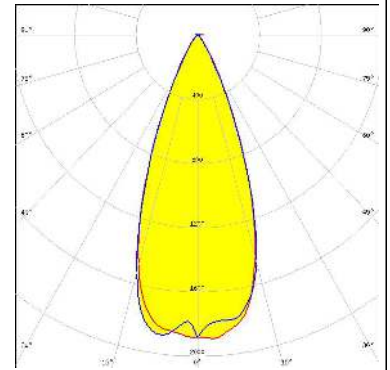
#### OPTICAL RESULTS (SIMULATED):

##### CREE LED

LED XM-L HVW  
 FWHM / FWTM 36.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

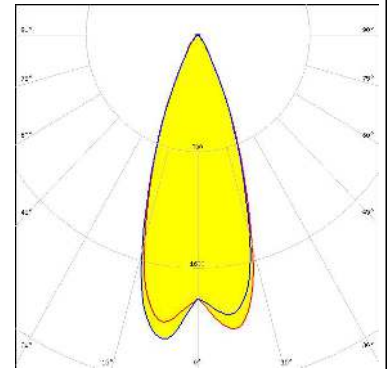
##### CREE LED

LED XP-G2 HE  
 FWHM / FWTM 41.0° / 63.0°  
 Efficiency 96 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



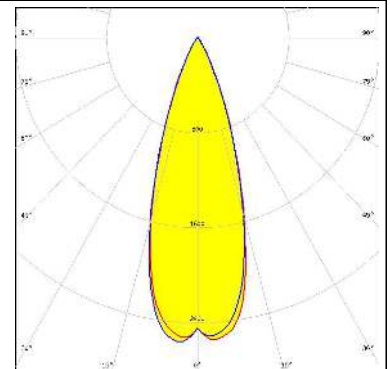
##### CREE LED

LED XP-L2  
 FWHM / FWTM 38.0° / 60.0°  
 Efficiency 95 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

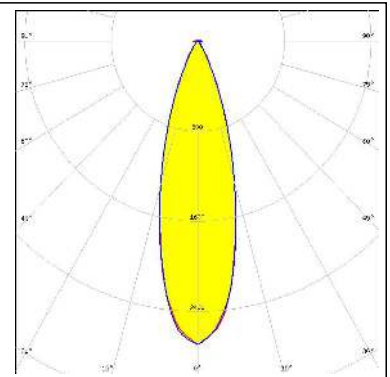
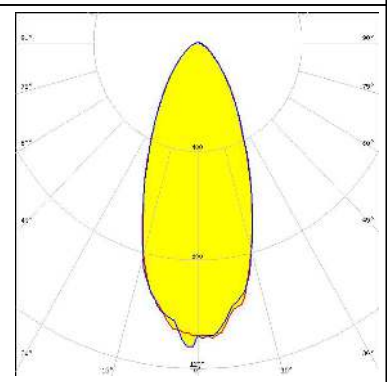
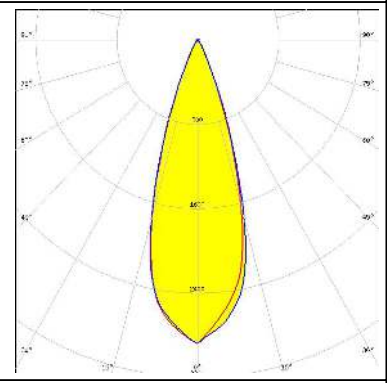
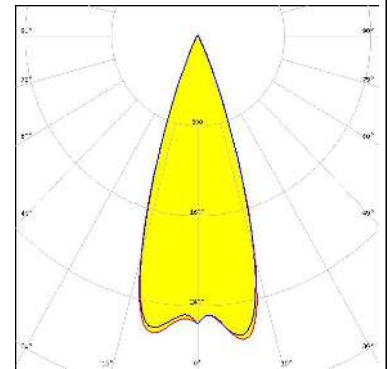


##### LUMILEDS

LED LUXEON MZ  
 FWHM / FWTM 34.0° / 56.0°  
 Efficiency 96 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



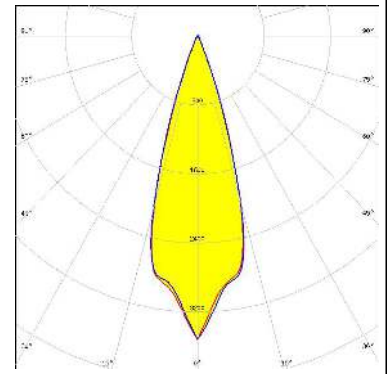
### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED NCSxE17A            FWHM / FWTM 30.0° / 56.0°            Efficiency 90 %            Peak intensity 2.7 cd/lm            LEDs/each optic 4            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NCSxx19B            FWHM / FWTM 45.0°            Efficiency 86 %            Peak intensity 1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ P 3030            FWHM / FWTM 33.0° / 52.0°            Efficiency 97 %            Peak intensity 2.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSOLON Black            FWHM / FWTM 36.0° / 49.0°            Efficiency 94 %            Peak intensity 2.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED	OSLON Black Flat
FWHM / FWTM	32.0° / 45.0°
Efficiency	94 %
Peak intensity	3.5 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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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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