

## EVA-O

~40° x 15° oval beam

### SPECIFICATION:

Dimensions	Ø 35.0 mm
Height	16.4 mm
ROHS compliant	yes ⓘ

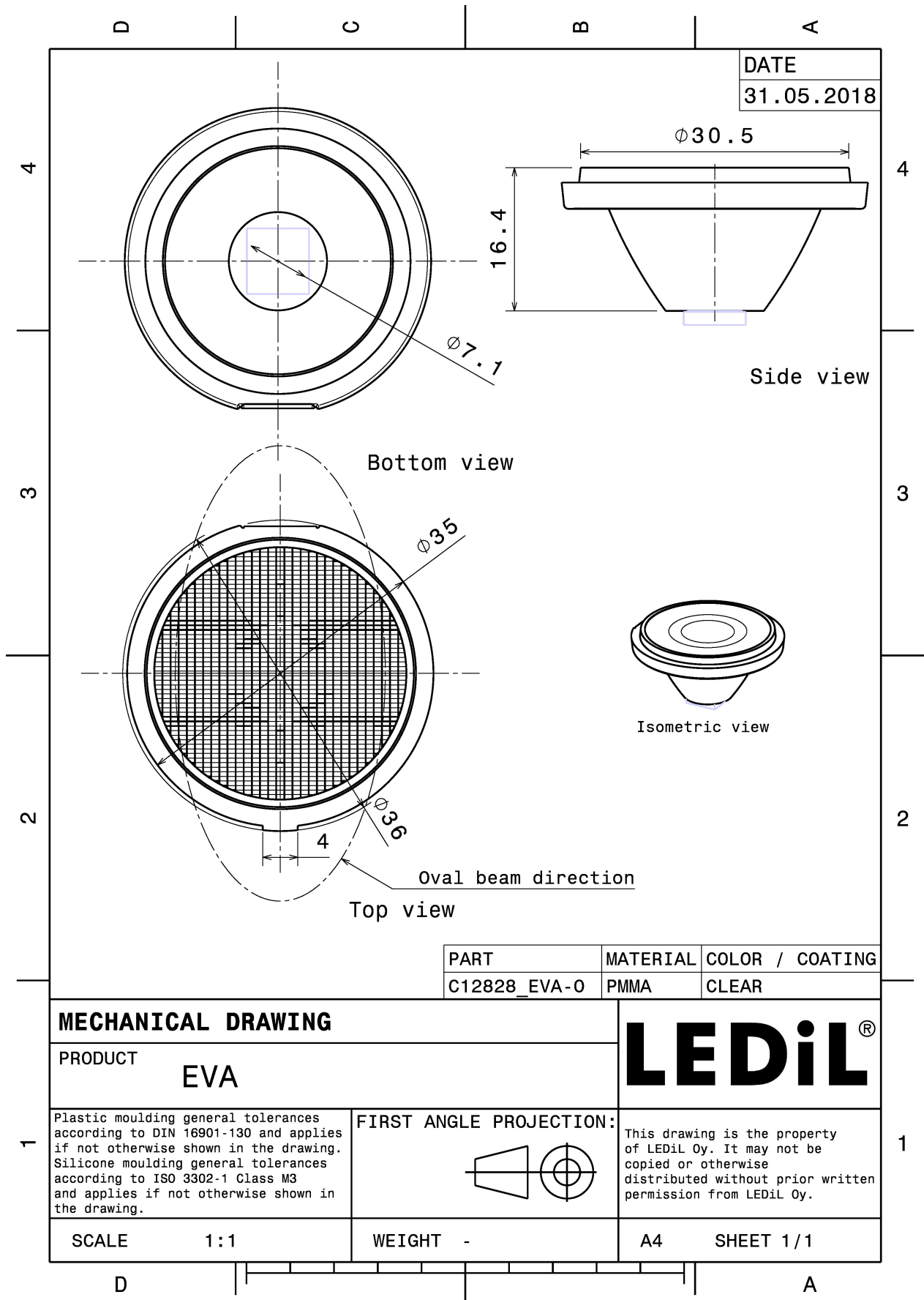
### MATERIALS:

Component	Type	Material	Colour	Finish
EVA-O	Single lens	PMMA	clear	



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12828_EVA-O » Box size: 480 x 280 x 300 mm	675	90	45	5.6

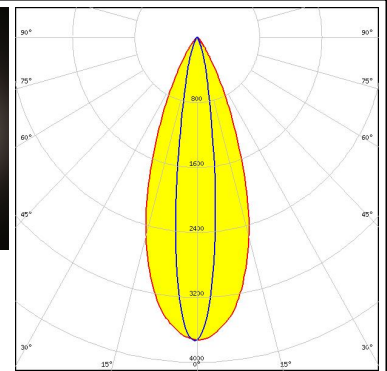
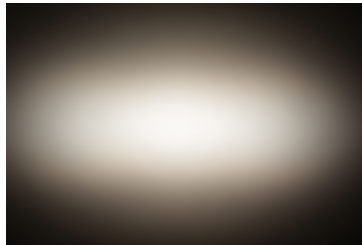


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

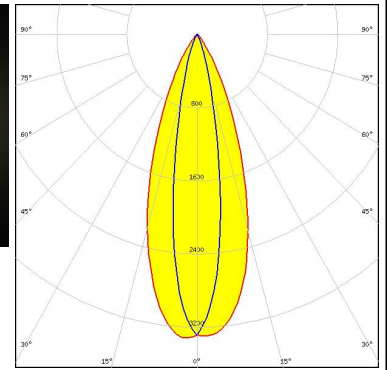
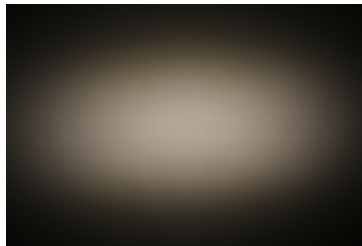
### OPTICAL RESULTS (MEASURED):

#### CITIZEN

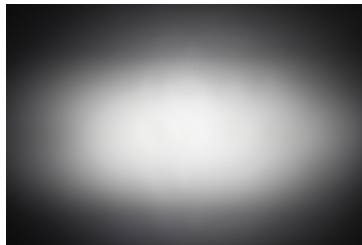
LED CLU7A2/7A3  
 FWHM / FWTM 39.0 + 15.0° / 65.0 + 34.0°  
 Efficiency 89 %  
 Peak intensity 3.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



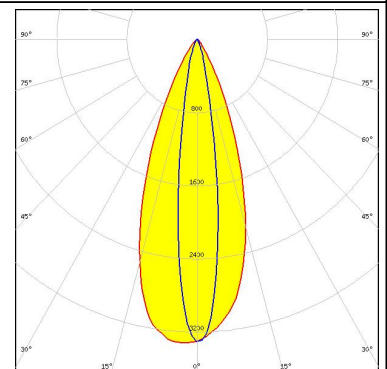
LED MHB-A/B  
 FWHM / FWTM 39.0 + 18.0° / 72.0 + 44.0°  
 Efficiency 81 %  
 Peak intensity 3.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XHP35 HI  
 FWHM / FWTM 39.0 + 21.0° / 74.0 + 50.0°  
 Efficiency 81 %  
 Peak intensity 2.2 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



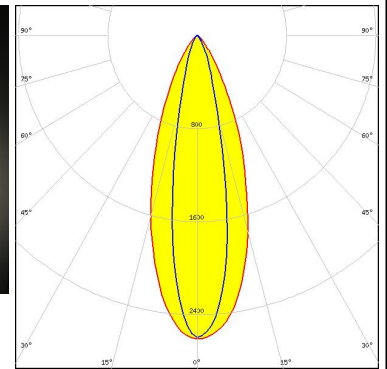
LED XM-L  
 FWHM / FWTM 15.5 + 39.0° / 32.0 + 63.0°  
 Efficiency 86 %  
 Peak intensity 3.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (MEASURED):

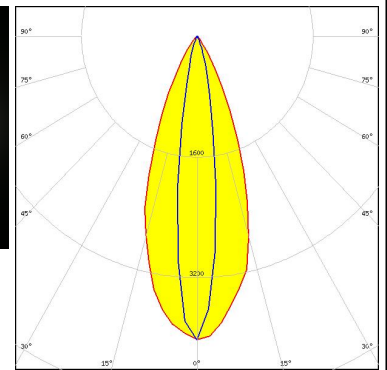
#### LUMILEDS

LED LUXEON M/MX  
 FWHM / FWTM 20.5 + 37.0° / 42.0 + 71.0°  
 Efficiency 83 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



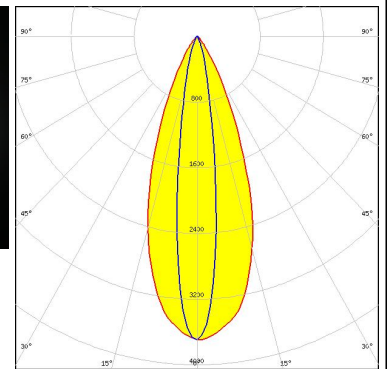
#### LUMILEDS

LED LUXEON MZ  
 FWHM / FWTM 39.0 + 15.0° / 65.0 + 33.0°  
 Efficiency 86 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



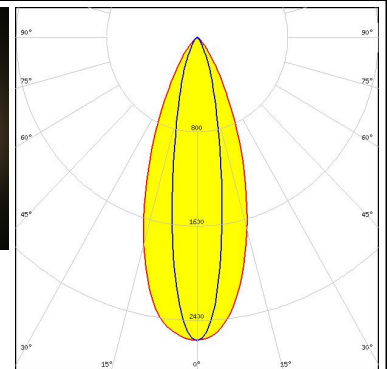
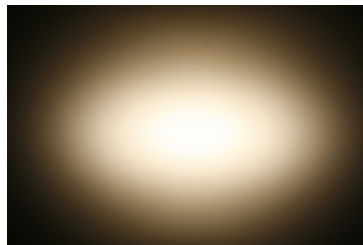
#### NICHIA

LED NS9x383  
 FWHM / FWTM 39.0 + 15.0° / 66.0 + 34.0°  
 Efficiency 87 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


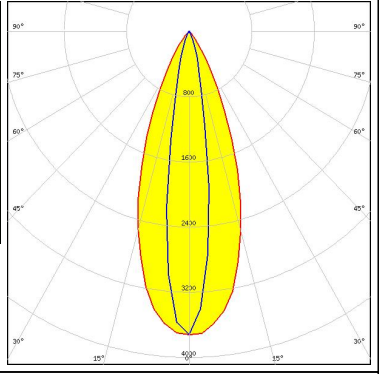
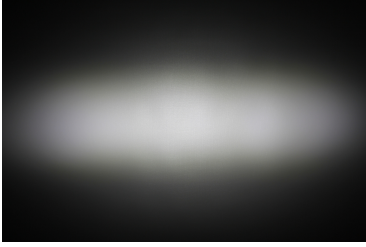
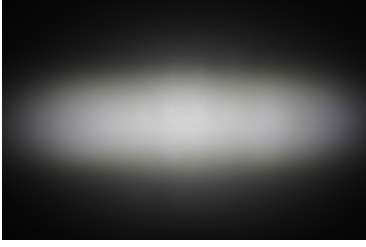


#### NICHIA

LED NSMx286M  
 FWHM / FWTM 40.0 + 20.0° / 71.0 + 48.0°  
 Efficiency 86 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



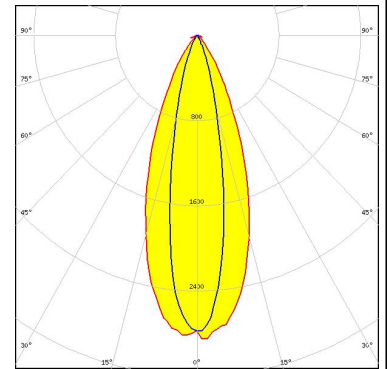
### OPTICAL RESULTS (MEASURED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S8</p> <p>FWHM / FWTM 39.0 + 17.0° / 67.0 + 34.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 3.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SEOUL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y15</p> <p>FWHM / FWTM 41.0 + 13.0° / 66.0 + 28.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 4.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SEOUL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y19</p> <p>FWHM / FWTM 41.0 + 12.0° / 64.0 + 28.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 4.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

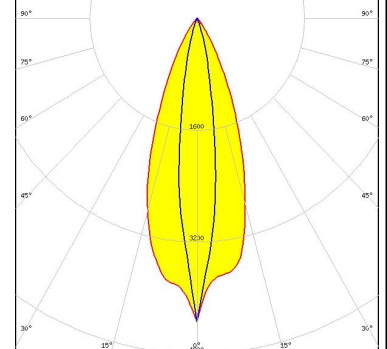
### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

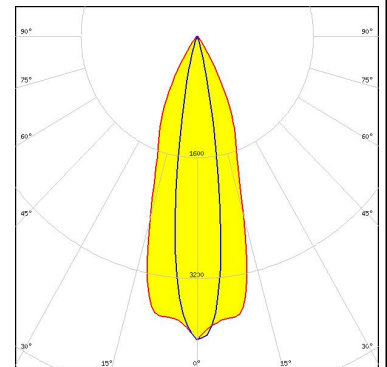
LED CLU700/701/702/703  
 FWHM / FWTM 40.0 + 22.0° / 72.0 + 44.0°  
 Efficiency 92 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



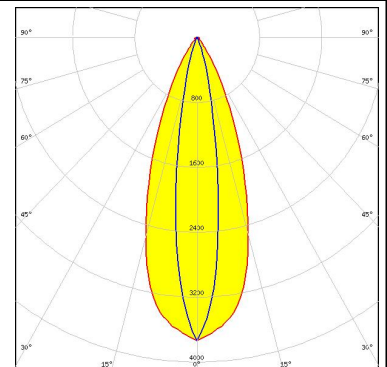
LED MC-E  
 FWHM / FWTM 16.0 + 40.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G2  
 FWHM / FWTM 17.0 + 34.0° / 30.0 + 65.0°  
 Efficiency 91 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



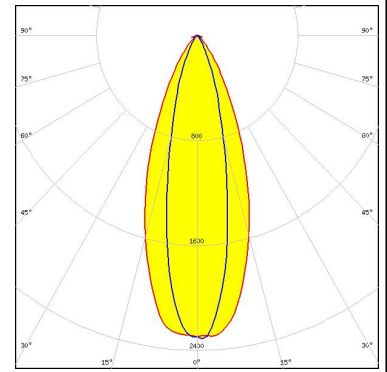
LED LUXEON 5258  
 FWHM / FWTM 16.0 + 37.0° / 34.0 + 64.0°  
 Efficiency 91 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

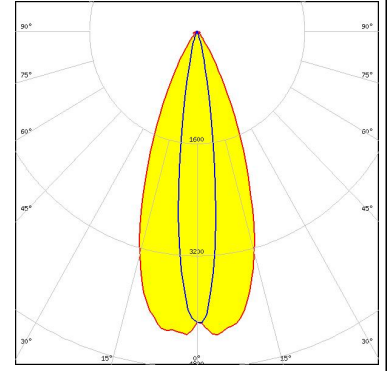
#### LUMILEDS

LED LUXEON 7070  
 FWHM / FWTM 40.0 + 24.0° / 74.0 + 51.0°  
 Efficiency 88 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



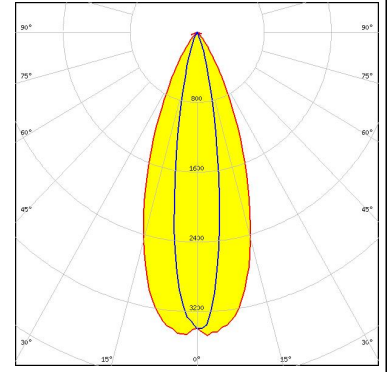
#### LUMINUS

LED CXM-3  
 FWHM / FWTM 40.0 + 14.0° / 66.0 + 28.0°  
 Efficiency 94 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



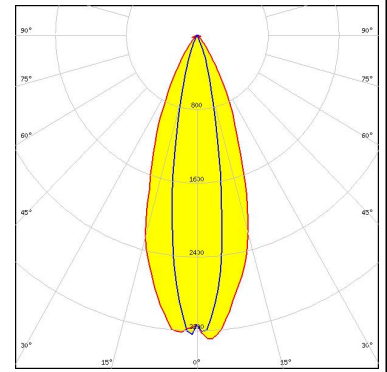
#### LUMINUS

LED CXM-4  
 FWHM / FWTM 40.0 + 18.0° / 68.0 + 35.0°  
 Efficiency 93 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM Opto Semiconductors

LED OSCONIQ P 7070  
 FWHM / FWTM 19.0 + 37.0° / 38.0 + 67.0°  
 Efficiency 92 %  
 Peak intensity 3.3 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### 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.

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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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