

### EVA-O

~40° x 15° oval beam

#### SPECIFICATION:

Dimensions	Ø 35.0 mm
Height	16.4 mm
ROHS compliant	yes ⓘ

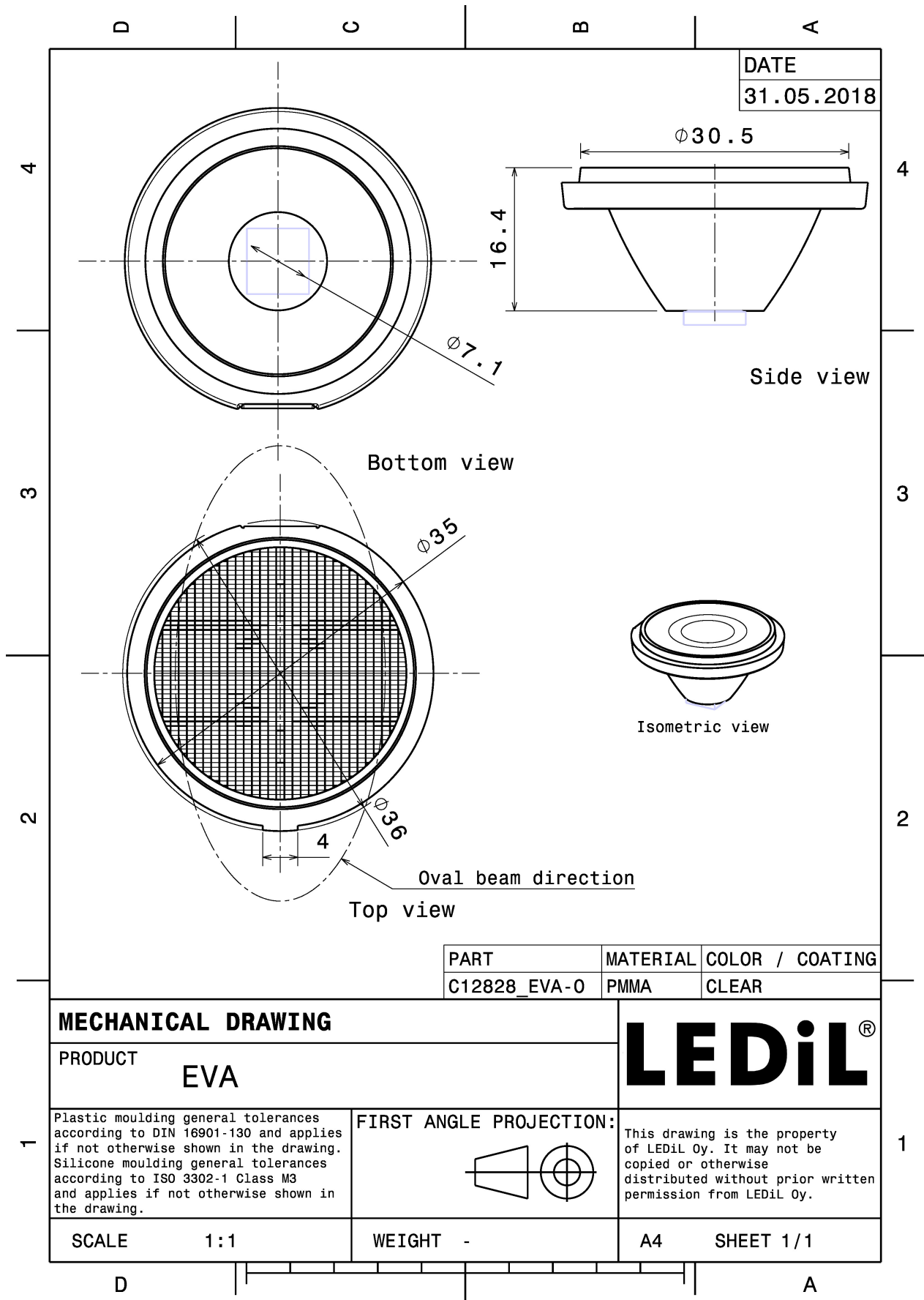
#### MATERIALS:

Component	Type	Material	Colour	Finish	Length
EVA-O	Single lens	PMMA	clear		35.0

#### 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



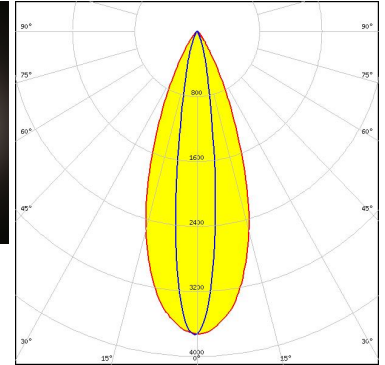


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

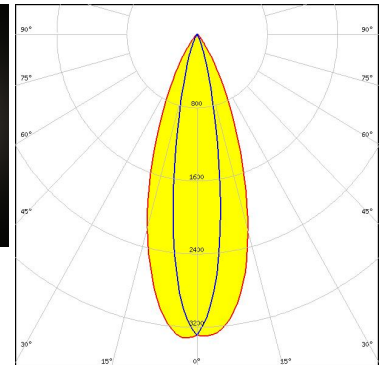
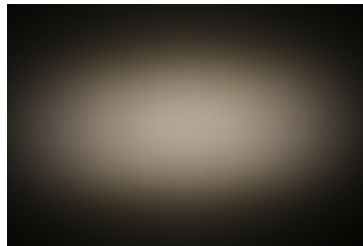
LED CLU7A2/7A3  
FWHM / FWTM 39.0 + 15.0° / 65.0 + 34.0°  
Efficiency 89 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



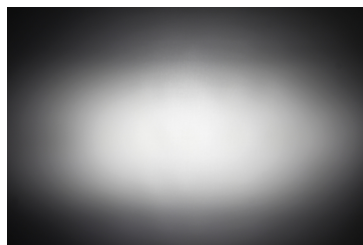
LED MHB-A/B  
FWHM / FWTM 39.0 + 18.0° / 72.0 + 44.0°  
Efficiency 81 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



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

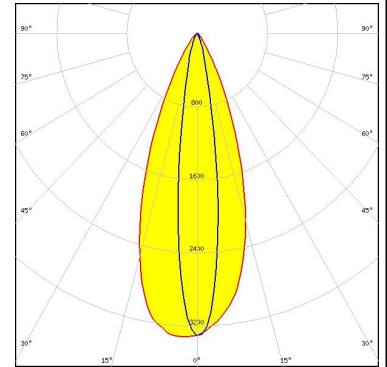


Light distribution files

### OPTICAL RESULTS (MEASURED):



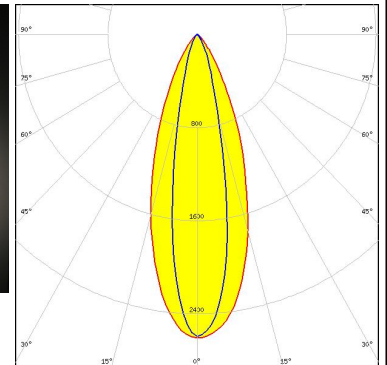
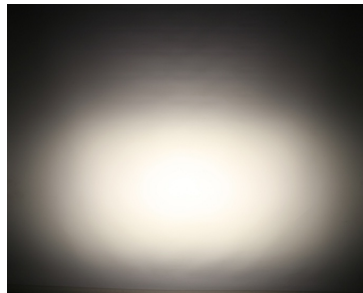
LED XM-L  
FWHM / FWTM 15.5 + 39.0° / 32.0 + 63.0°  
Efficiency 86 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



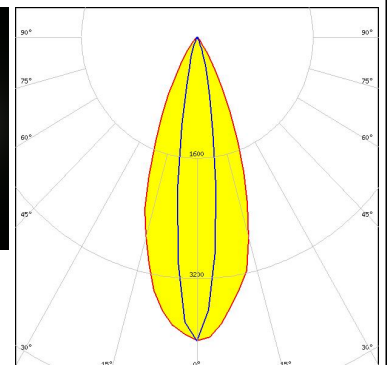
LED LUXEON M/MX  
FWHM / FWTM 20.5 + 37.0° / 42.0 + 71.0°  
Efficiency 83 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



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/type White  
Required components:

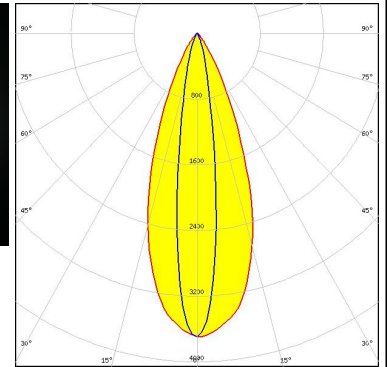


Light distribution files

### OPTICAL RESULTS (MEASURED):



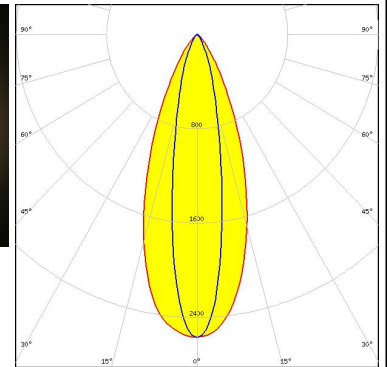
**LED** NS9x383  
**FWHM / FWTM** 39.0 + 15.0° / 66.0 + 34.0°  
**Efficiency** 87 %  
**Peak intensity** 3.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



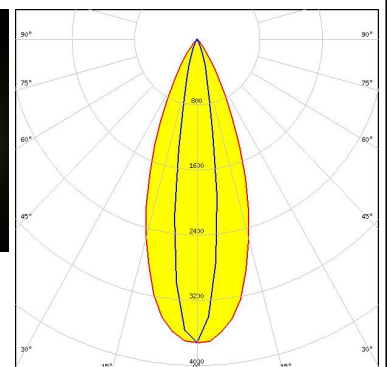
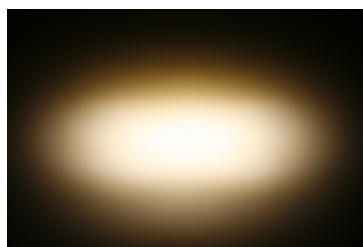
**LED** NSMx286M  
**FWHM / FWTM** 40.0 + 20.0° / 71.0 + 48.0°  
**Efficiency** 86 %  
**Peak intensity** 2.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files


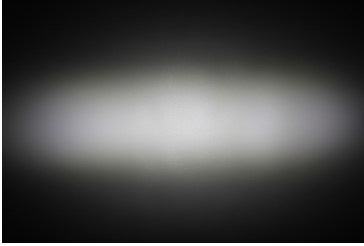



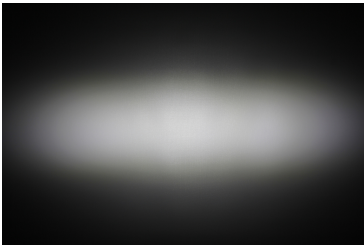
**LED** Duris S8  
**FWHM / FWTM** 39.0 + 17.0° / 67.0 + 34.0°  
**Efficiency** 88 %  
**Peak intensity** 3.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files

### OPTICAL RESULTS (MEASURED):

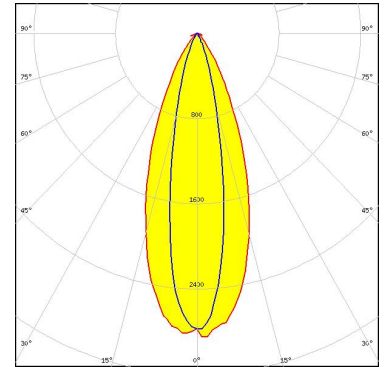
 SEOL SEMICONDUCTOR		
LED	Z8Y15	
FWHM / FWTM	41.0 + 13.0° / 66.0 + 28.0°	
Efficiency	85 %	
Peak intensity	4.9 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components:		
		<a href="#">Light distribution files</a>

 SEOL SEMICONDUCTOR		
LED	Z8Y19	
FWHM / FWTM	41.0 + 12.0° / 64.0 + 28.0°	
Efficiency	86 %	
Peak intensity	4.9 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components:		
		<a href="#">Light distribution files</a>

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

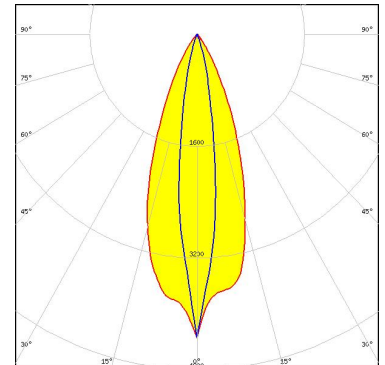
LED	CLU700/701/702/703
FWHM / FWTM	40.0 + 22.0° / 72.0 + 44.0°
Efficiency	92 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



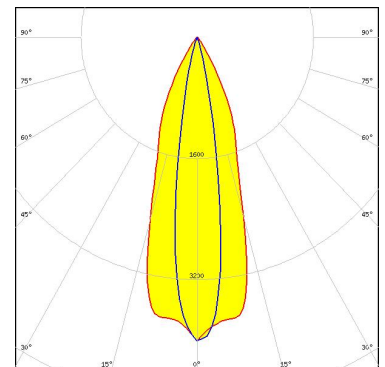
LED	MC-E
FWHM / FWTM	16.0 + 40.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



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/type	White
Required components:	

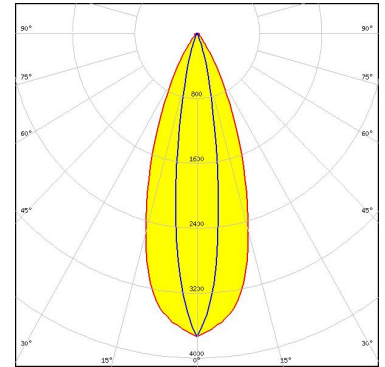


Light distribution files

### OPTICAL RESULTS (SIMULATED):



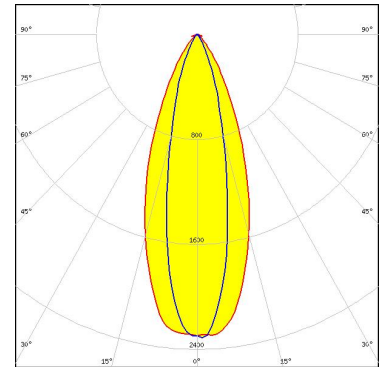
LED LUXEON 5258  
FWHM / FWTM 16.0 + 37.0° / 34.0 + 64.0°  
Efficiency 91 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



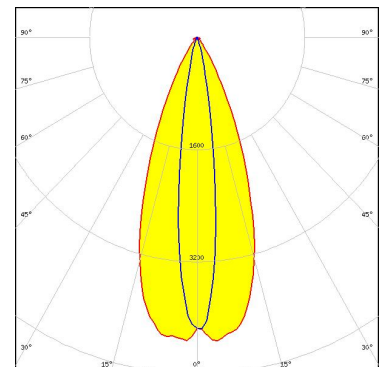
LED LUXEON 7070  
FWHM / FWTM 40.0 + 24.0° / 74.0 + 51.0°  
Efficiency 88 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



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/type White  
Required components:



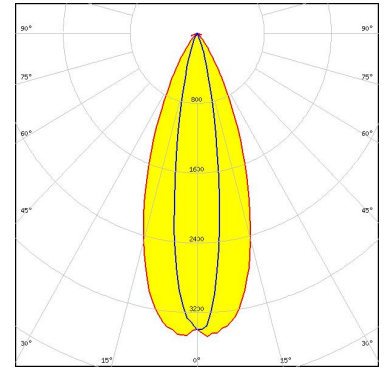
Light distribution files



### OPTICAL RESULTS (SIMULATED):



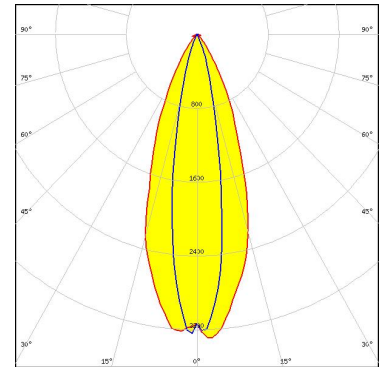
LED CXM-4  
FWHM / FWTM 40.0 + 18.0° / 68.0 + 35.0°  
Efficiency 93 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



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/type White  
Required components:



Light distribution files

### 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.

### 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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