

## EVA-M

~25° medium beam

### SPECIFICATION:

Dimensions	Ø 35.0
Height	16.4 mm
Fastening	glue
ROHS compliant	yes ⓘ

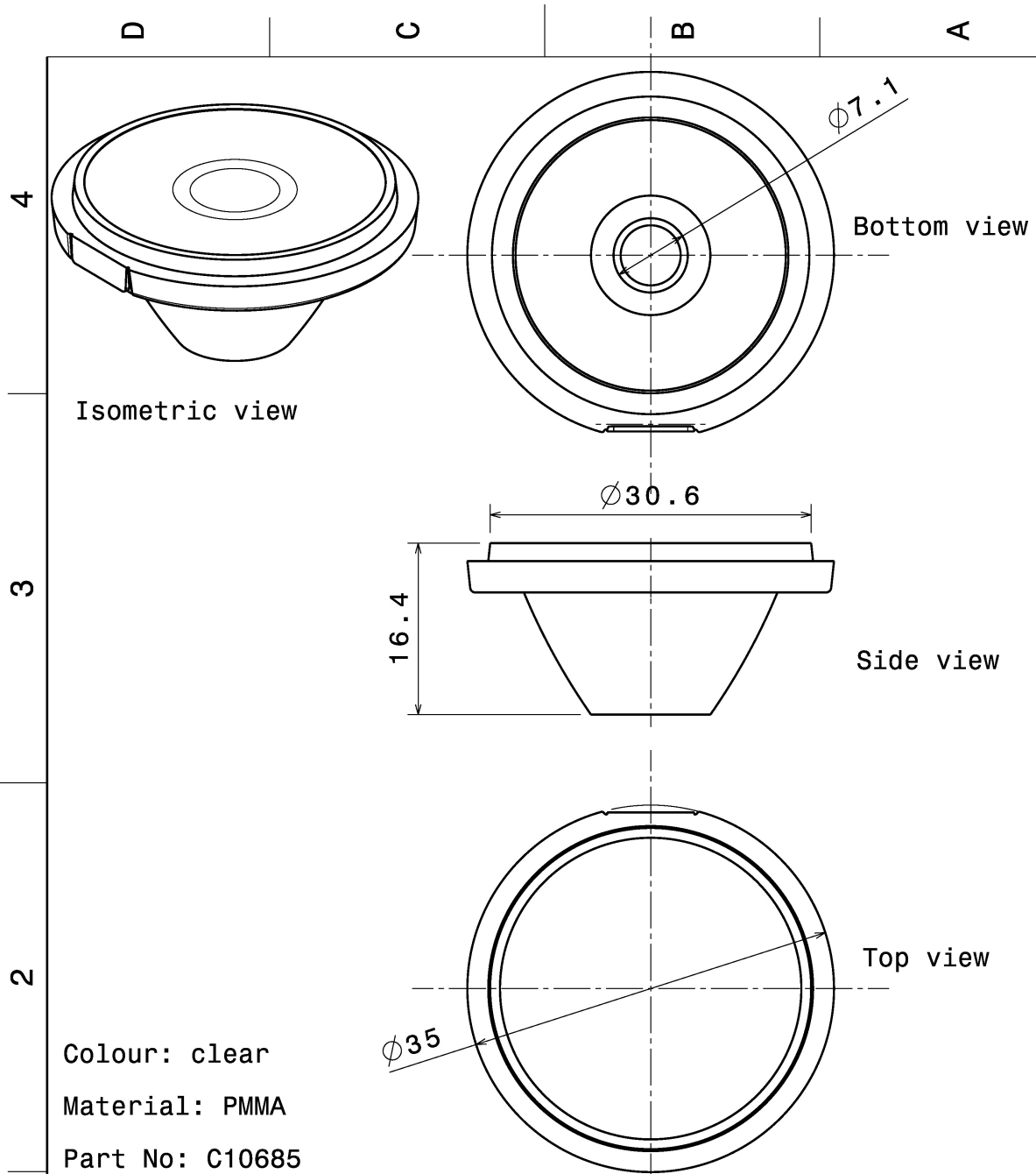


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
EVA-M	Single lens	PMMA	clear		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C10685_EVA-M » Box size: 480 x 280 x 300 mm	540	90	45	5.8



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Finland

**DRAWING TITLE**

Datasheet Eva Medium Lens

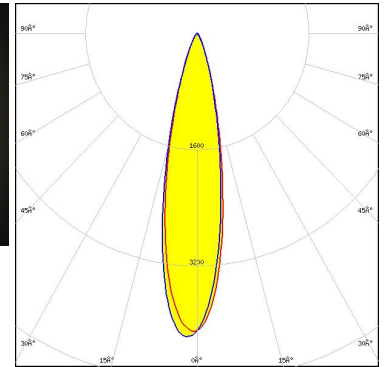
DRAWN BY PV	DATE 05.09.2008	DRAWING NUMBER C10685			REV 1.0
	CHECKED BY hh	DATE 04.09.2008	SIZE A4		
DESIGNED BY HH	DATE 26.08.2008	SCALE 2:1	WEIGHT (g)	SHEET 1/1	

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

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

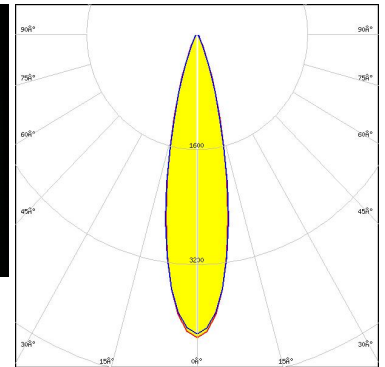
LED CLU7A2/7A3  
FWHM / FWTM 22.0° / 44.0°  
Efficiency 89 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



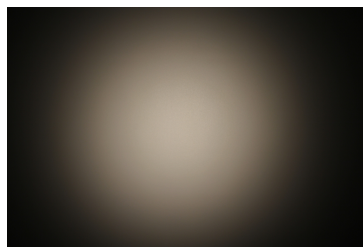
LED MC-E  
FWHM / FWTM 22.0°  
Efficiency 89 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED MHB-A/B  
FWHM / FWTM 25.0° / 50.0°  
Efficiency 82 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

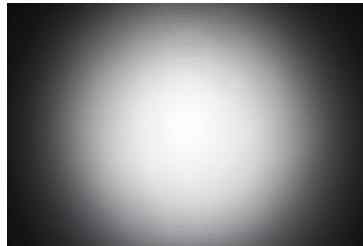


Light distribution files

### OPTICAL RESULTS (MEASURED):



LED XHP35 HI  
FWHM / FWTM 28.0° / 56.0°  
Efficiency 78 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



[Light distribution files](#)



LED XM-L  
FWHM / FWTM 24.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour/type White  
Required components:

[Light distribution files](#)



LED XP-G2  
FWHM / FWTM 24.0° / 42.0°  
Efficiency 88 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

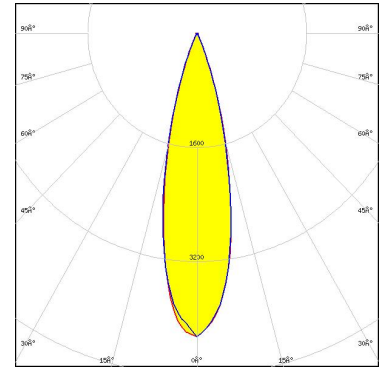


[Light distribution files](#)

### OPTICAL RESULTS (MEASURED):



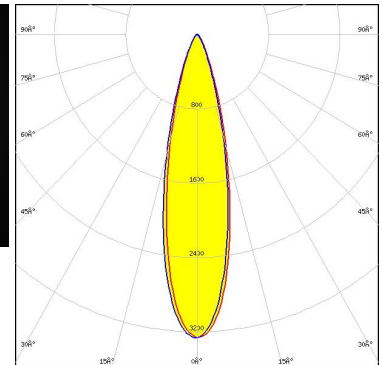
LED XT-E  
 FWHM / FWTM 24.0°  
 Efficiency %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 Round LES  
 FWHM / FWTM 25.0° / 49.0°  
 Efficiency 85 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

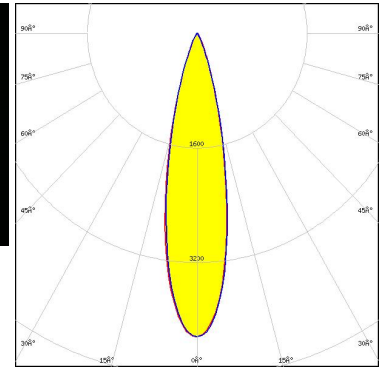


LED LUXEON M/MX  
 FWHM / FWTM 26.0°  
 Efficiency 89 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

### OPTICAL RESULTS (MEASURED):



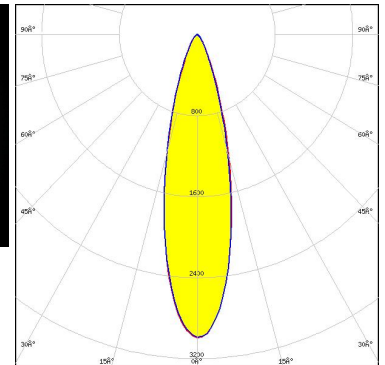
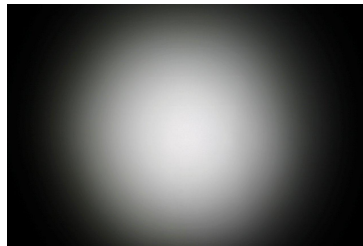
LED LUXEON MZ  
 FWHM / FWTM 24.0° / 44.0°  
 Efficiency 87 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



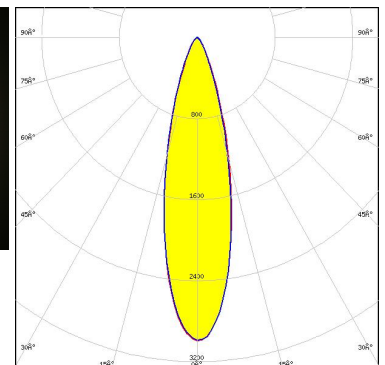
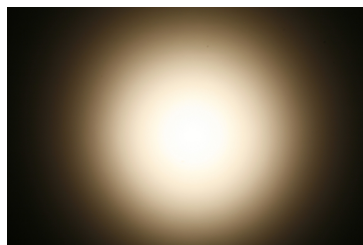
LED NS9x383  
 FWHM / FWTM 24.0° / 46.0°  
 Efficiency 88 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NSMx286M  
 FWHM / FWTM 26.0° / 52.0°  
 Efficiency 88 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

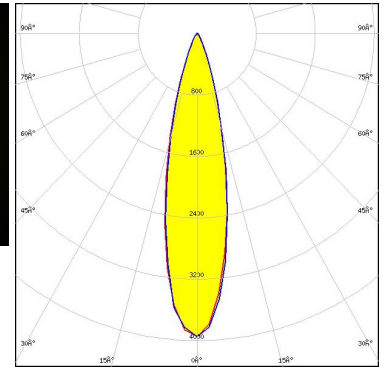


Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

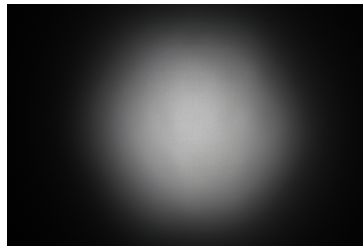
LED Duris S8  
FWHM / FWTM 25.0° / 46.0°  
Efficiency 86 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SEOL**  
SEOUL SEMICONDUCTOR

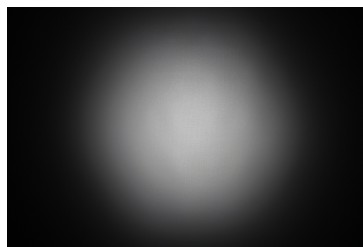
LED Z8Y15  
FWHM / FWTM 24.0° / 43.0°  
Efficiency 83 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SEOL**  
SEOUL SEMICONDUCTOR

LED Z8Y19  
FWHM / FWTM 24.0° / 43.0°  
Efficiency 84 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

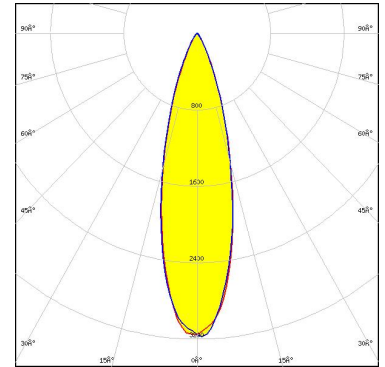


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

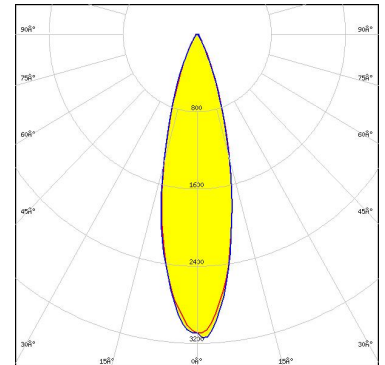
LED CLU700/701/702/703  
FWHM / FWTM 28.0° / 53.0°  
Efficiency 93 %  
Peak intensity 3.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XHP50.2  
FWHM / FWTM 28.0° / 52.0°  
Efficiency 95 %  
Peak intensity 3.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XM-L HVW  
FWHM / FWTM 26.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



### OPTICAL RESULTS (SIMULATED):

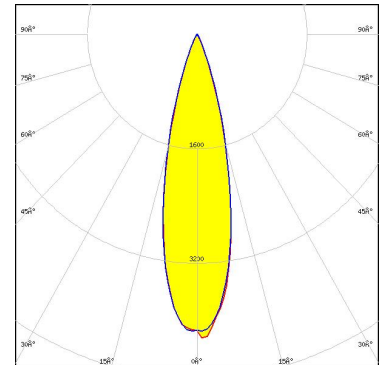


LED	LUXEON 5258
FWHM / FWTM	24.0° / 44.0°
Efficiency	93 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files



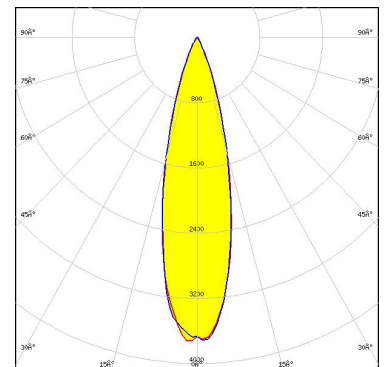
LED	CXM-3
FWHM / FWTM	26.0° / 44.0 + 46.0°
Efficiency	94 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	CXM-4
FWHM / FWTM	26.0° / 48.0°
Efficiency	94 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

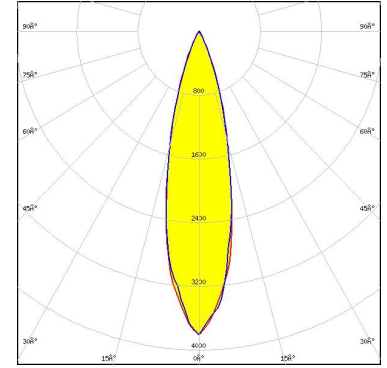


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	25.0° / 46.0°
Efficiency	93 %
Peak intensity	3.8 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.

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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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