

## EVA-M

~25° medium beam

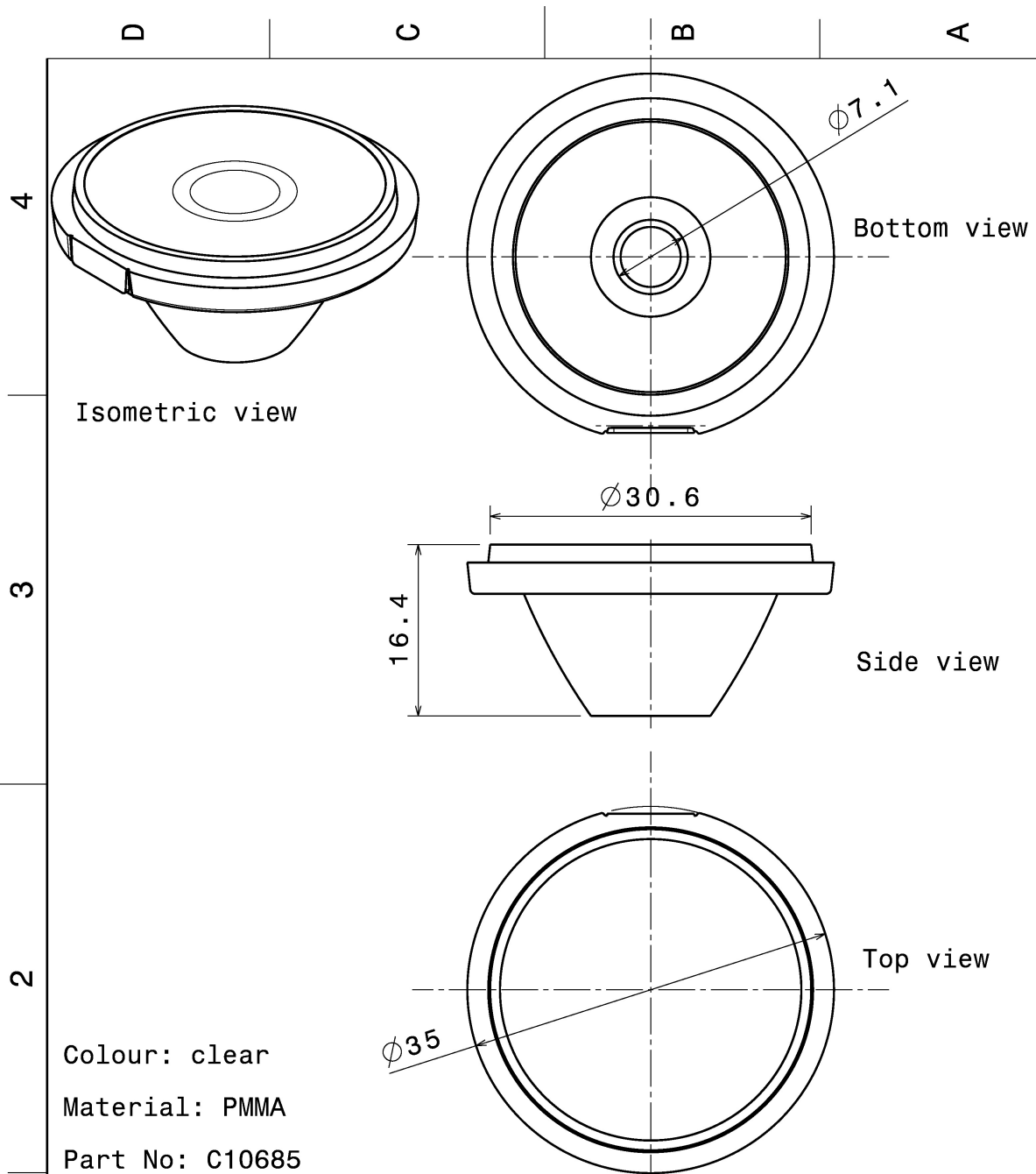
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 35.0 mm
Height	16.4 mm
Fastening	glue
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	5.8 kg
Quantity in Box	540 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
EVA-M	Single lens	PMMA	clear



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DRAWING TITLE

Datasheet Eva Medium Lens

DRAWN BY	DATE
PV	05.09.2008

CHECKED BY	DATE
hh	04.09.2008

DESIGNED BY	DATE
HH	26.08.2008

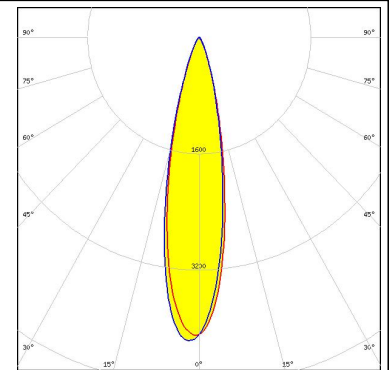
SIZE	DRAWING NUMBER	REV
A4	C10685	1.0

SCALE	2:1	WEIGHT (g)	SHEET	1/1
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### PHOTOMETRIC DATA (MEASURED):

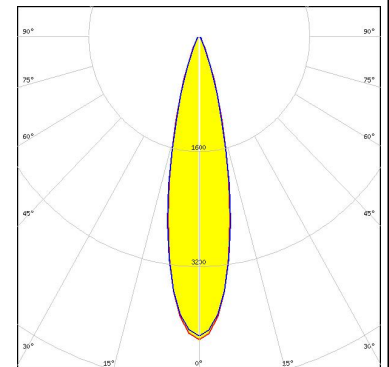
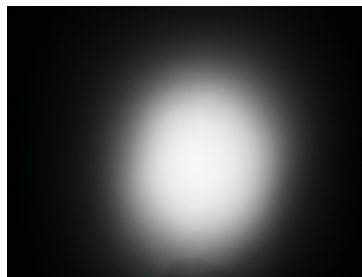
#### CITIZEN

LED CLU LES 4.2mm (HI-Ver.3)  
 FWHM 22.0°  
 Efficiency 89 %  
 Peak intensity 4.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



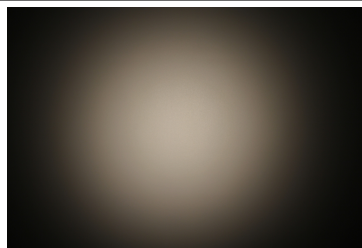
#### CREE

LED MC-E  
 FWHM 22.0°  
 Efficiency 89 %  
 Peak intensity 3.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



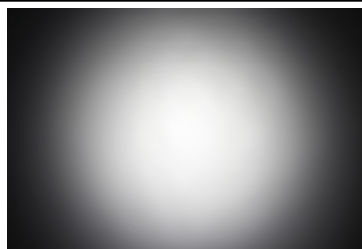
#### CREE

LED MHB-A/B  
 FWHM 25.0°  
 Efficiency 82 %  
 Peak intensity 3.630 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

LED XHP35 HI  
 FWHM 28.0°  
 Efficiency 78 %  
 Peak intensity 2.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XM-L  
FWHM 24.0°  
Efficiency 88 %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

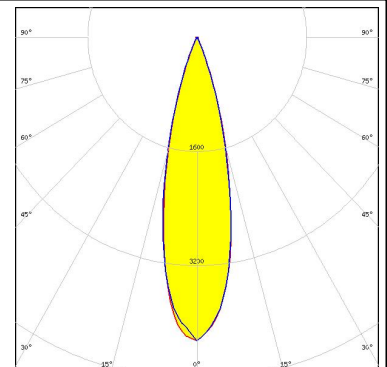
#### CREE

LED XP-G2  
FWHM 24.0°  
Efficiency 88 %  
Peak intensity 4.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



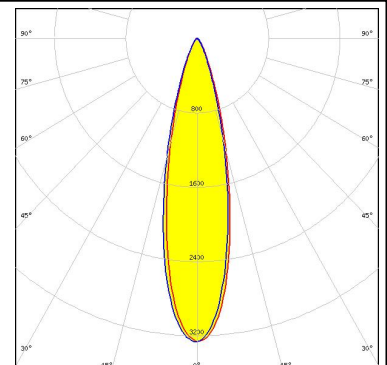
#### CREE

LED XT-E  
FWHM 24.0°  
Efficiency %  
Peak intensity 3.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

LED LUXEON 5050  
FWHM 25.0°  
Efficiency 85 %  
Peak intensity 3.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





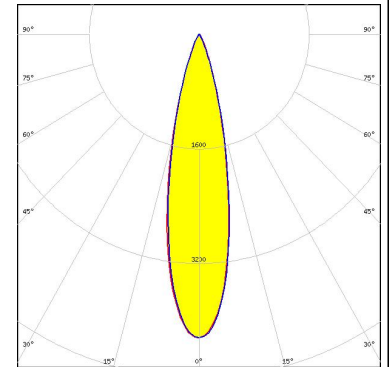
### PHOTOMETRIC DATA (MEASURED):

#### LUMILEDS

LED LUXEON M/MX  
 FWHM 26.0°  
 Efficiency 89 %  
 Peak intensity 2.800 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:

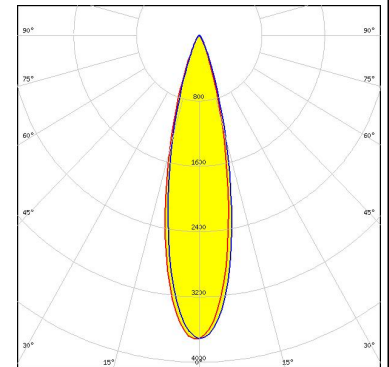
#### LUMILEDS

LED LUXEON MZ  
 FWHM 24.0°  
 Efficiency 87 %  
 Peak intensity 4.200 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



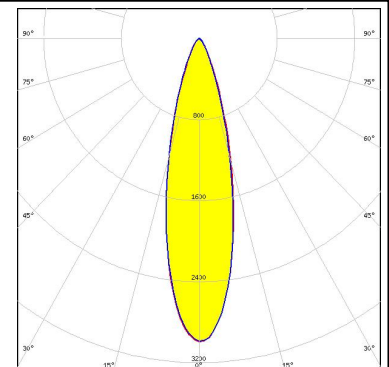
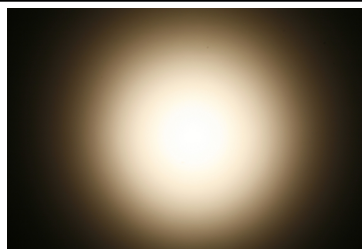
#### NICHIA

LED NS9x383  
 FWHM 24.0°  
 Efficiency 88 %  
 Peak intensity 3.700 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:


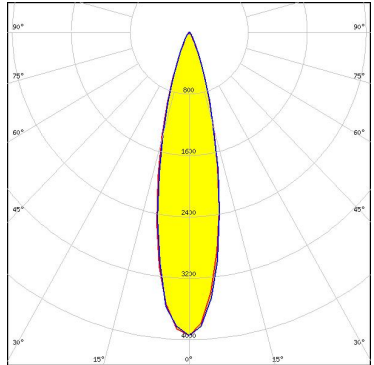
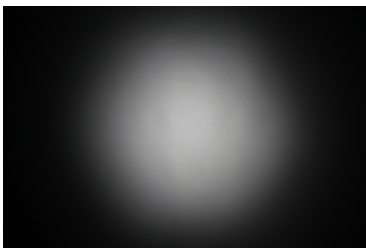
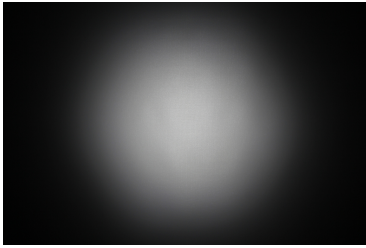


#### NICHIA

LED NSMx286M  
 FWHM 26.0°  
 Efficiency 88 %  
 Peak intensity 3.000 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**PHOTOMETRIC DATA (MEASURED):**

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S8 FWHM 25.0° Efficiency 86 % Peak intensity 4.000 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y15 FWHM 24.0° Efficiency 83 % Peak intensity 4.270 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y19 FWHM 24.0° Efficiency 84 % Peak intensity 4.230 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

### PHOTOMETRIC DATA (SIMULATED):



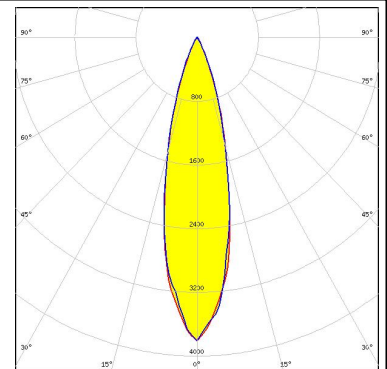
LED XM-L HVW  
FWHM 26.0°  
Efficiency %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON 5258  
FWHM 24.0°  
Efficiency 93 %  
Peak intensity 4.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



OSRAM  
Opto Semiconductors  
LED OSCONIQ P 7070  
FWHM 25.0°  
Efficiency 93 %  
Peak intensity 3.820 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.

### 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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Hong Kong, China

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