PRODUCT DATASHEET
Eva series
last update 1/3/2013

Ordering number C12828_EVA-O

Family	Eva	FWHM	(simulated) 16 + 40
Type	Lens	Efficiency	(simulated) 0 %
LED	MC-E	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Ready		

Ordering number C10684_EVA-D

Family	Eva	FWHM	16 degrees
Type	Lens	Efficiency	92 %
LED	MC-E	cd/lm	6.000
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round	Outer flange can be secured in fixture for hardware-free attachm	
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Ready		

Ordering number C10685_EVA-M

Family	Eva	FWHM	22 degrees
Type	Lens	Efficiency	89 %
LED	MC-E	cd/lm	3.000
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round	Outer flange can be secured in fixture for hardware-free attachm	
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Ready		

Ordering number C10686_EVA-W

Family	Eva	FWHM	36 degrees
Type	Lens	Efficiency	91 %
LED	MC-E	cd/lm	1.000
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round	Outer flange can be secured in fixture for hardware-free attachm	
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Ready		

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PRODUCT DATASHEET
Eva series
last update 1/3/2013

Ordering number **C10909_EVA-WW**

Family	Eva
Type	Lens
LED	MC-E
Color	Clear
Diameter	35 mm
Height	16.4 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	-
Status	Ready

FWHM	47 degrees
Efficiency	90 %
cd/lm	1.000
Gerber File	Available

Outer flange can be secured in fixture for hardware-free attachm

NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.

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GENERAL INFORMATION

- Product series especially designed & optimized for MC-E series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20UL94_Yellow%20Card.pdf
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf

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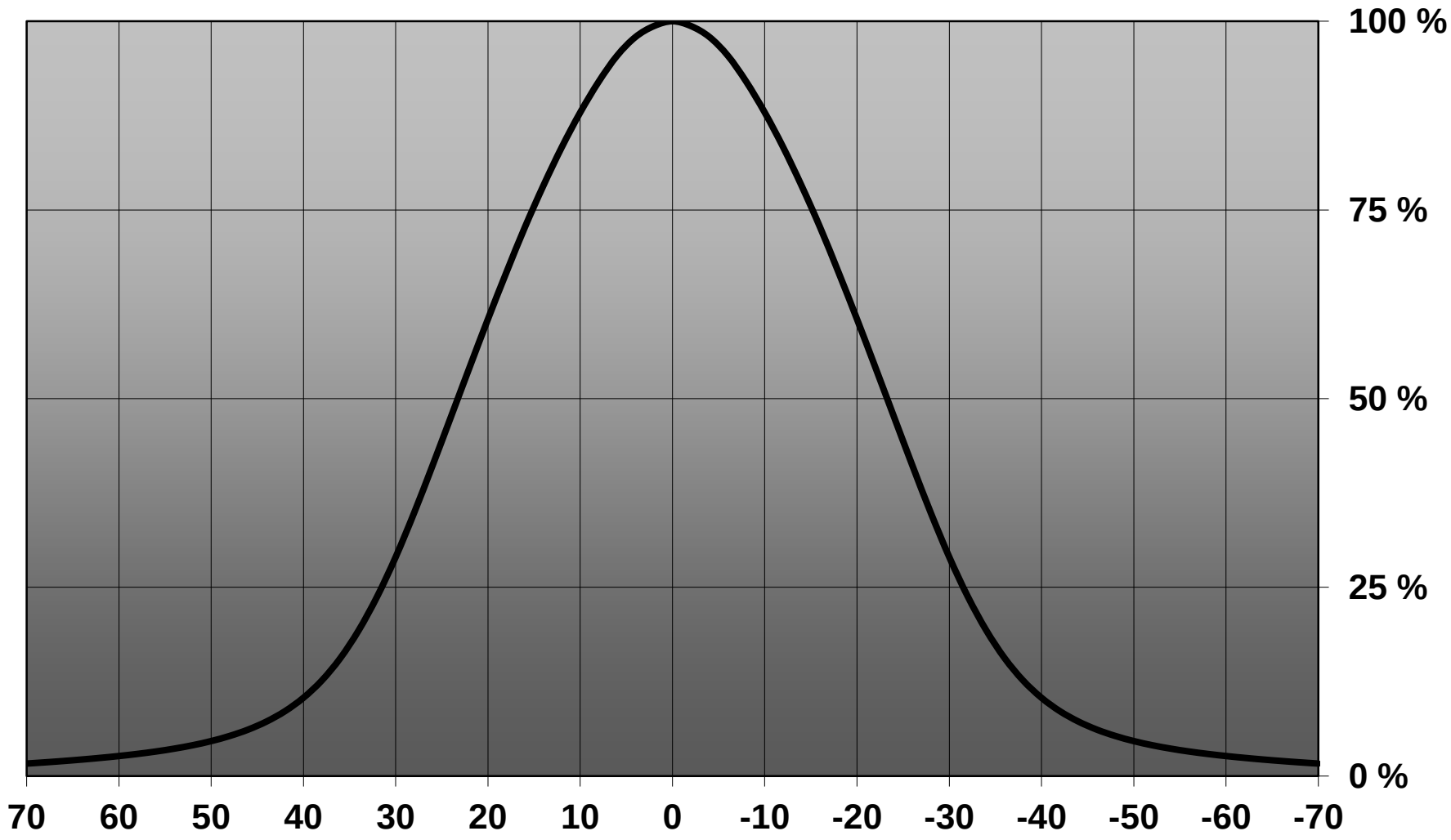
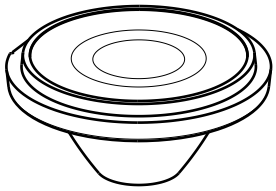
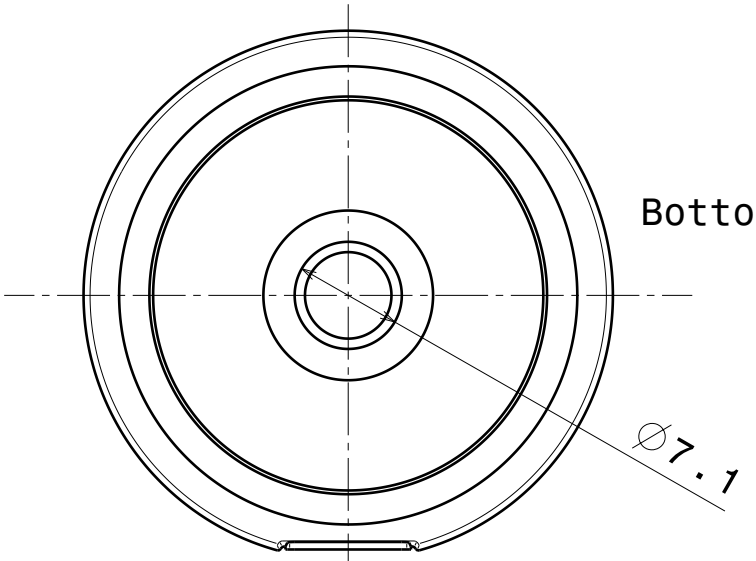
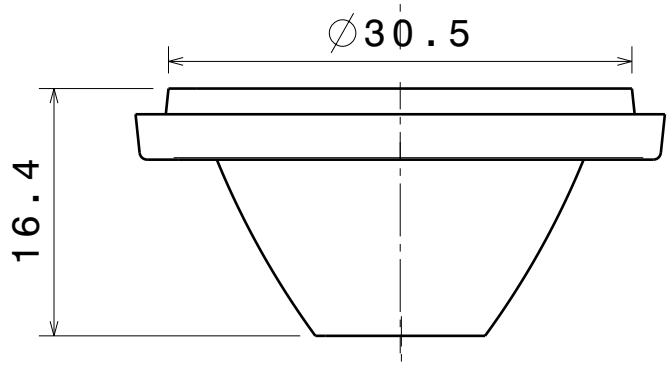

Relative Intensity of C10909_Eva-MC-WW
100 %
75 %
50 %
25 %
0 %
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70



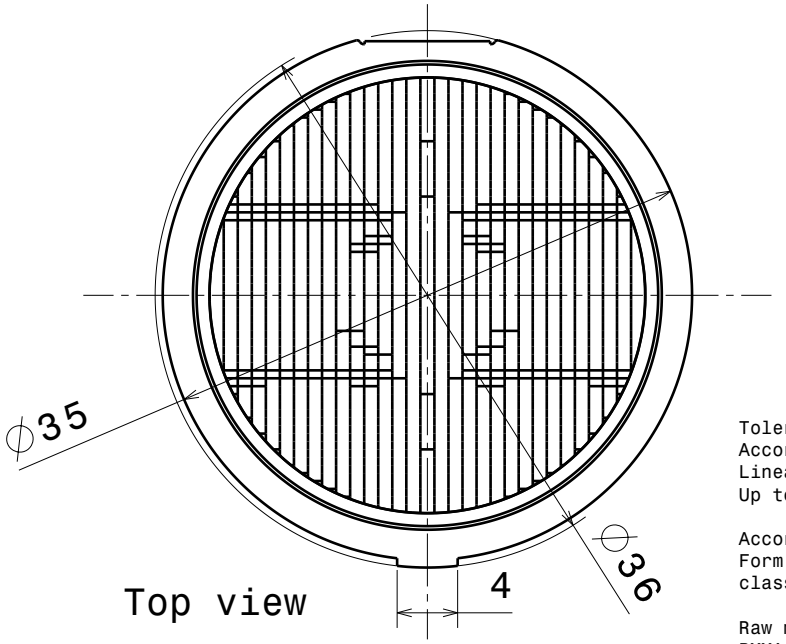
Isometric view



Bottom view



Side view



Top view

Tolerances if not otherwise shown:
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class F, otherwise class M.

According to DIN ISO 2768-2
Form and position:
class K

Raw material(s):
PMMA 8N

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DRAWN BY: ah	DATE: 1.3.2013	DRAWING TITLE: Datasheet Eva-0 lens			
CHECKED BY	DATE	SIZE: A4	DRAWING NUMBER: 12828		REV: 1
DESIGNED BY: HH	DATE: 26.08.2008	SCALE: 2:1	WEIGHT(g)		SHEET: 1/1