

**Ordering number C12041_EVA-S**

Family	Eva	FWHM	13 degrees
Type	Lens	Efficiency	94 %
LED	XM-L	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	On production		

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

Ordering number C10684_EVA-D

Family	Eva	FWHM	16 degrees
Type	Lens	Efficiency	91 %
LED	XM-L	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	On production		

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

Ordering number C10685_EVA-M

Family	Eva	FWHM	24 degrees
Type	Lens	Efficiency	88 %
LED	XM-L	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	On production		

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

Ordering number C10686_EVA-W

Family	Eva	FWHM	40 degrees
Type	Lens	Efficiency	79 %
LED	XM-L	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	On production		

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

**Ordering number C10909_EVA-WW**

Family	Eva	FWHM	64 degrees
Type	Lens	Efficiency	77 %
LED	XM-L	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	On production		

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

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.



PRODUCT DATASHEET

Eva series

last update 1/3/2013

GENERAL INFORMATION

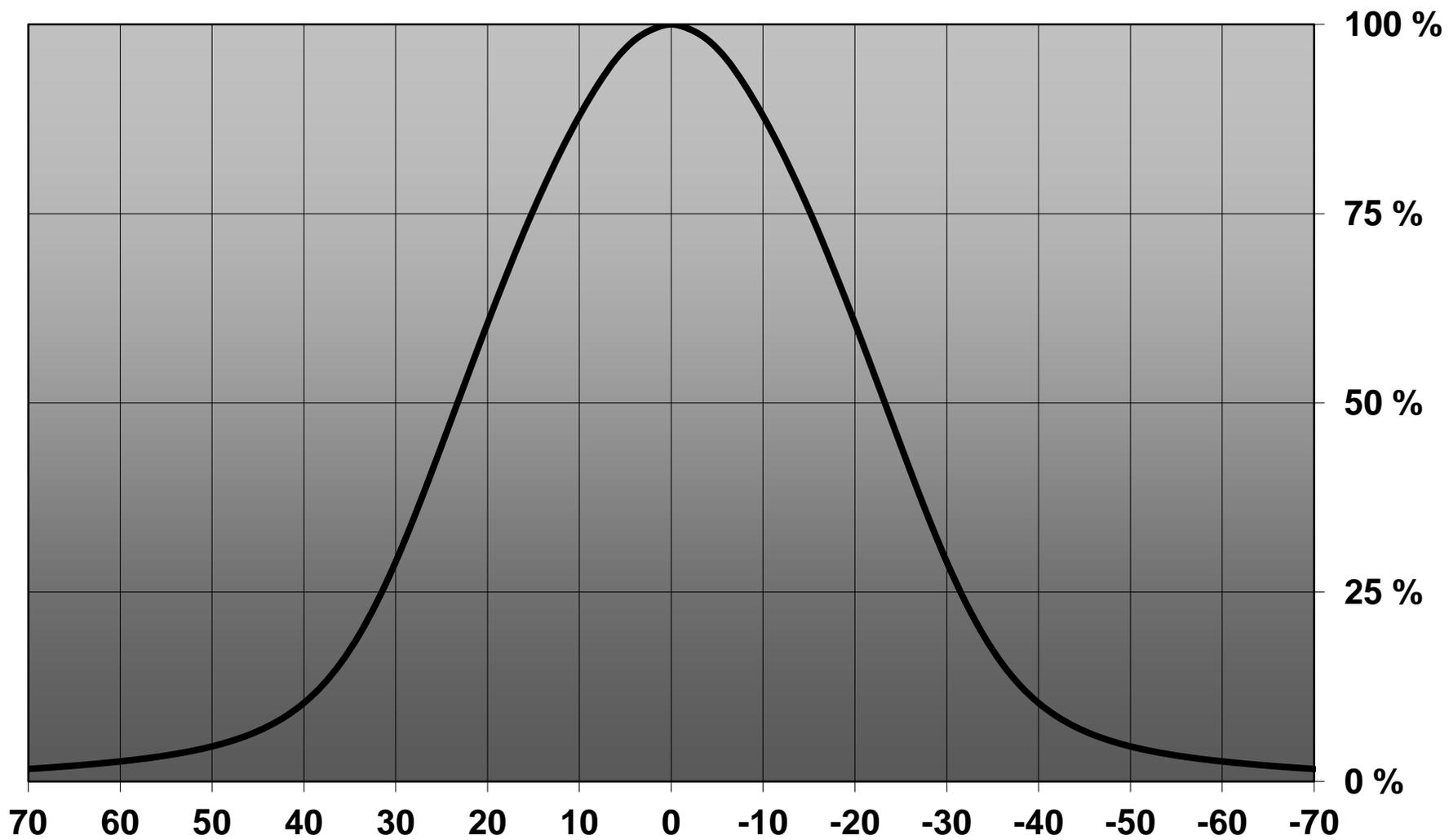
- Product series especially designed & optimized for XM-L series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

Relative Intensity of C10909_Eva-MC-WW

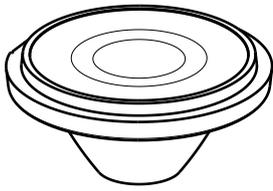


D

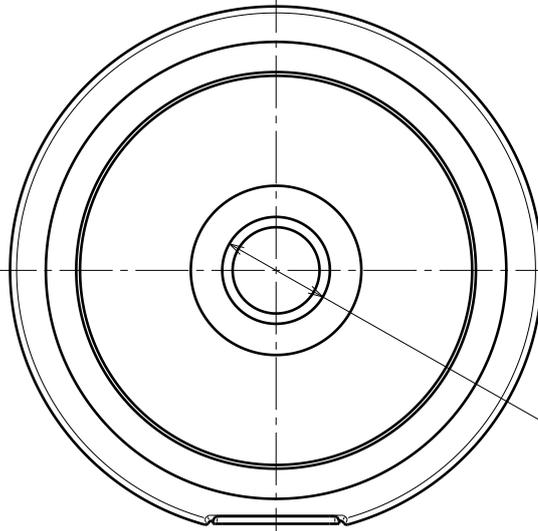
C

B

A



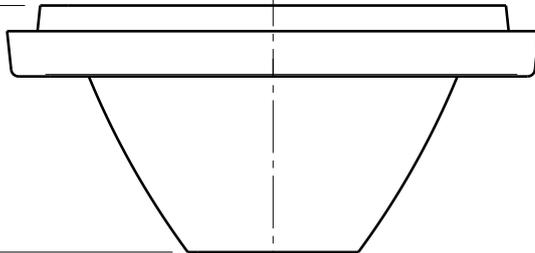
Isometric view



Bottom view

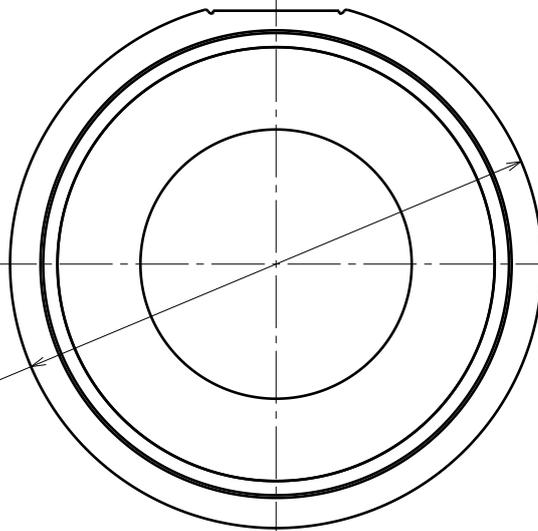
Ø 6.8

Ø 30.5



Side view

16.4



Top view

Ø 35

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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Ledil Oy
 Salorankatu 10
 24100 SALO
 Finland

DRAWING TITLE

Datasheet Eva Spot Lens

DRAWN BY
ah

DATE
1.3.2013

CHECKED BY

DATE

SIZE
A4

DRAWING NUMBER

C12041

REV
1

DESIGNED BY
HH

DATE
26.08.2008

SCALE

2:1

WEIGHT (g)

SHEET

1/1

D

A

4

3

2

1

1