PRODUCT DATASHEET
Eva series

Ordering number **C12041**
Description **C12041_Eva-S-XM**

Family	Eva	FWHM	13 degrees
Type	Lens	Efficiency	94 %
LED	XM-L	cd/lm	-
Color	Transparent	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 **C10684**
Description **C10684_Eva-XM-D**

Family	Eva	FWHM	16 degrees
Type	Lens	Efficiency	91 %
LED	XM-L	cd/lm	-
Color	Transparent	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**
Description **C10685_Eva-XM-M**

Family	Eva	FWHM	24 degrees
Type	Lens	Efficiency	88 %
LED	XM-L	cd/lm	-
Color	Transparent	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**
Description **C10686_Eva-XM-W**

Family	Eva	FWHM	40 degrees
Type	Lens	Efficiency	79 %
LED	XM-L	cd/lm	-
Color	Transparent	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

Ordering number	**C10909**
Description	**C10909_Eva-XM-WW**
Family	Eva
Type	Lens
LED	XM-L
Color	Transparent
Diameter	35 mm
Height	16.4 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	-
Status	Ready

FWHM	64 degrees
Efficiency	77 %
cd/lm	-
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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PRODUCT DATASHEET
Eva series

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 (105 degrees of Celcius / 220 degrees of Fahrenheit). 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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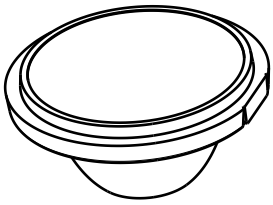
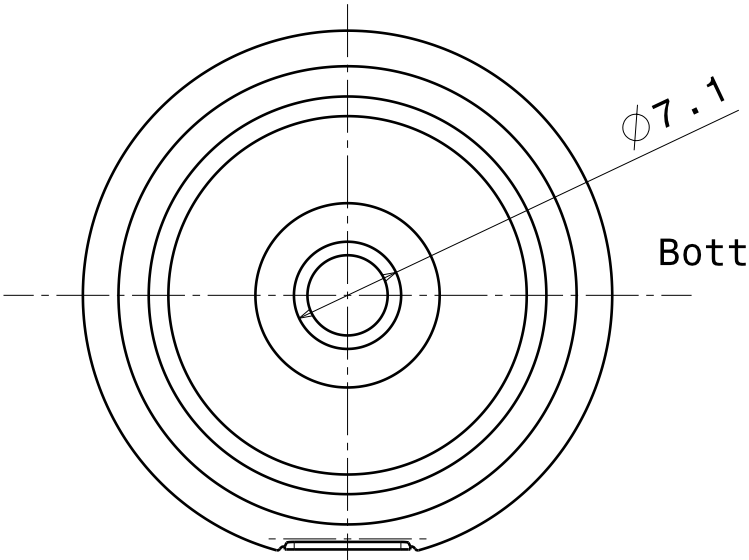
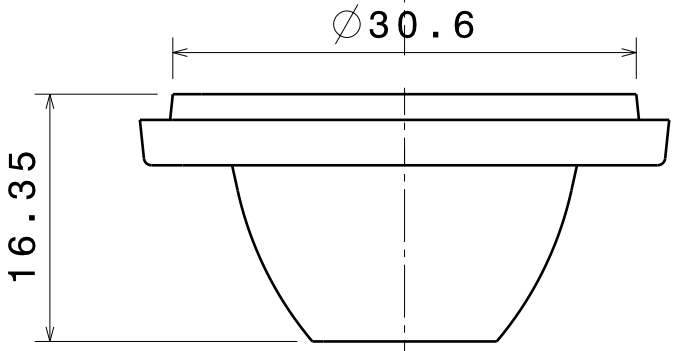


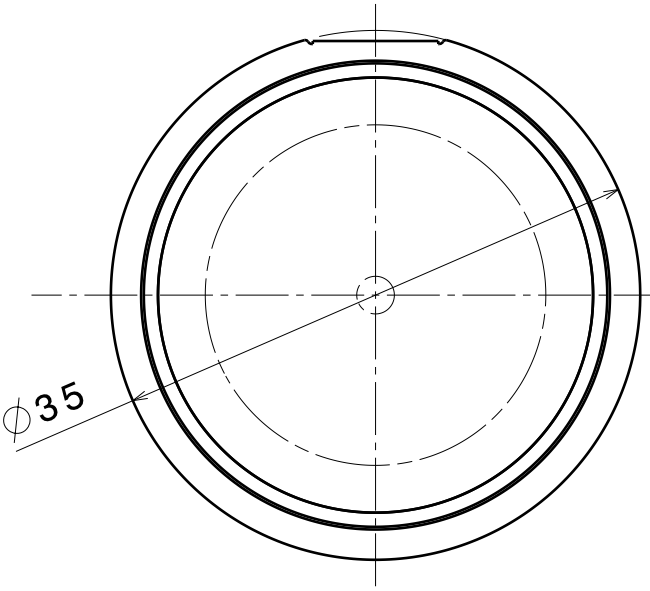
Isometric view
Scale: 1:1



Bottom view



Side view



Top view

Material: PMMA

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DRAWN BY: PV	DATE: 26.06.2009	DRAWING TITLE: Datasheet Eva-mc-WW Lens			
CHECKED BY: tk	DATE: 09.06.2009	SIZE: A4	DRAWING NUMBER: C10909		REV: 1.0
DESIGNED BY: HH	DATE: 13.05.2009	SCALE: 2:1	WEIGHT(g):		SHEET: 1/1