



Ordering number	FA11431		
Description	FA11431_Lisa2-WWW-clip16-DD		
Family	Lisa2	FWHM	(simulated) 70
Type	Lens	Efficiency	-
LED	Double Dome (GM2BB)	cd/Im	-
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Clips, glue		
Status	Ready		



Ordering number	FA11121		
Description	FA11121_Lisa2-O-clip16-DD		
Family	Lisa2	FWHM	10+32 degrees
Type	Lens	Efficiency	-
LED	Double Dome (GM2BB)	cd/Im	-
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue, clips		
Status	Ready		



Ordering number	FA11085		
Description	FA11085_Lisa2-RS-clip16-DD		
Family	Lisa2	FWHM	18 degrees
Type	Lens	Efficiency	-
LED	Double Dome (GM2BB)	cd/Im	-
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue, clips		
Status	Ready		



Ordering number	FA11075		
Description	FA11075_Lisa2-M-clip16-DD		
Family	Lisa2	FWHM	28 degrees
Type	Lens	Efficiency	-
LED	Double Dome (GM2BB)	cd/Im	-
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue, clips		
Status	Ready		



Ordering number	FA11076		
Description	FA11076_Lisa2-W-clip16-DD		
Family	Lisa2	FWHM	44 degrees
Type	Lens	Efficiency	-
LED	Double Dome (GM2BB)	cd/Im	-
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue, clips		
Status	Ready		

Ordering number	FP11856		
Description	FP11856_Lisa2-O-90-clip16-DD		
Family	Lisa2	FWHM	(simulated) 48+20
Type	Lens	Efficiency	-
LED	Double Dome (GM2BB)	cd/Im	-
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Clips, glue		
Status	Ready		

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

Lisa2-Clip16-XP series

SHARP.

GENERAL INFORMATION

- Product series especially designed & optimized for Double Dome (GM2BB) 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%20N%20UL94_Yellow%20Card.pdf

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

- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.

http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the glue.

NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.

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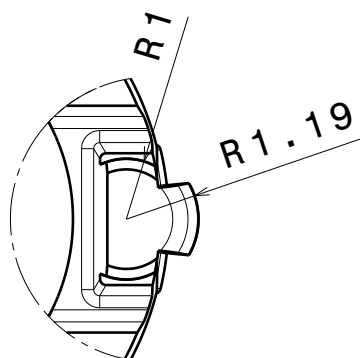
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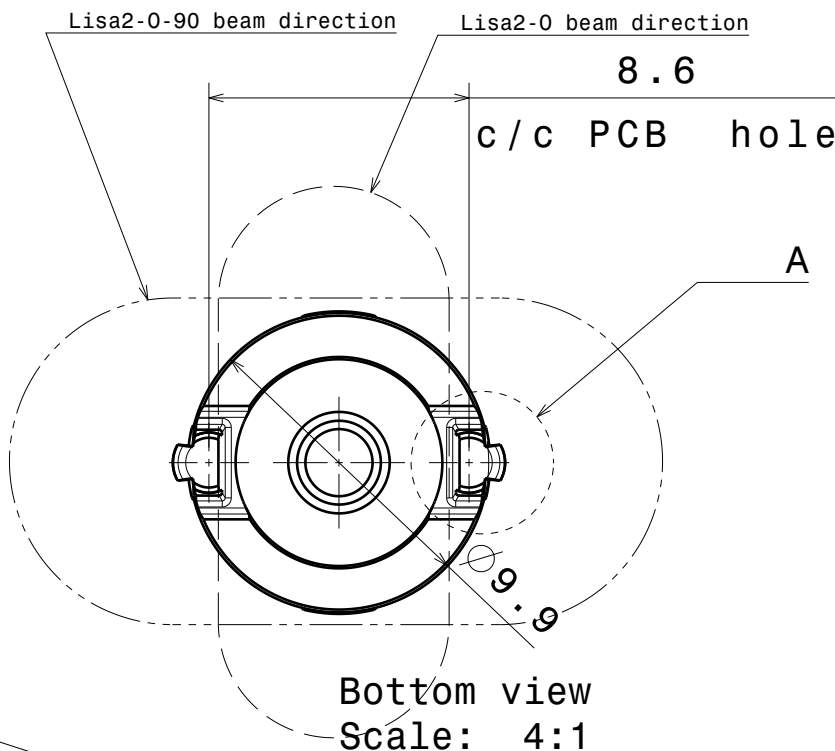
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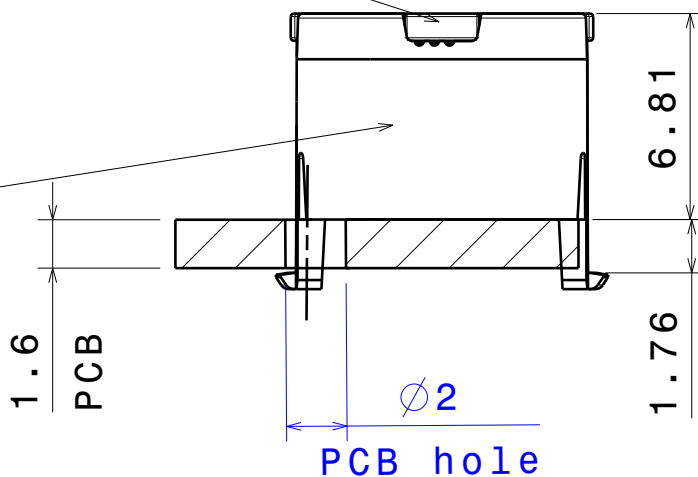
Detail A
Scale: 8:1



Bottom view
Scale: 4:1

Lens

Holder



Front view
Scale: 4:1

Materials:
Lens PMMA
Holder PC

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DRAWING TITLE

Datasheet Lisa2-clip16-XP series Assy

DRAWN BY

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DATE

20.7.2011

CHECKED BY

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n

DATE

20.7.2011

DESIGNED BY

hh

DATE

19.10.2009

SIZE

A4

DRAWING NUMBER

REV

2

SCALE

4:1

WEIGHT (g)

SHEET

1/1

D

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