

**Product number CA10592_NIS036-2-M**

Family	Rose	FWHM	(simulated) 14
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Production ready		

**Product number CA10593_NIS036-2-D**

Family	Rose	FWHM	(simulated) 8
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Production ready		

**Product number CA10594_NIS036-2-SS**

Family	Rose	FWHM	(simulated) 7
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Production ready		

**Product number CA10595_NIS036-2-RS**

Family	Rose	FWHM	(simulated) 4
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Production ready		

**Product number CA10596_NIS036-2-O**

Family	Rose	FWHM	(simulated) 13+36
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	(simulated) 0.000
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Production ready		

**Product number CA10624_NIS036-2-W**

Family	Rose	FWHM	(simulated) 28
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Production ready		

**Product number FCA10934_NIS036-RS**

Family	Rose	FWHM	8 degrees
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Production ready		

**Product number FCA10938_NIS036-O**

Family	Rose	FWHM	10+50 degrees
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Production ready		

**Product number FCA11160_NIS036-O-90**

Family	Rose	FWHM	10+50 degrees
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	ABS		
Fastening	Tape		
Status	Production ready		

**Product number FCA10935_NIS036-SS**

Family	Rose	FWHM	14 degrees
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Production ready		

**Product number FCA10936_NIS036-D**

Family	Rose	FWHM	16 degrees
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Production ready		

**Product number FCA10937_NIS036-M**

Family	Rose	FWHM	28 degrees
Type	Assembly	Efficiency	-
LED	NJSx036	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Production ready		

**Product number** FCA10939_NIS036-W

Family	Rose	FWHM	58 degrees
Type	Assembly	Efficiency	-
LED	NJSx036	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 + 21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Production 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.

GENERAL INFORMATION

- Product series especially designed & optimized for NJSx036 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>

- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).
- Optic holder molded by high quality ABS material (80 dergees of Celcius / 176 degrees of Fahrenheit).

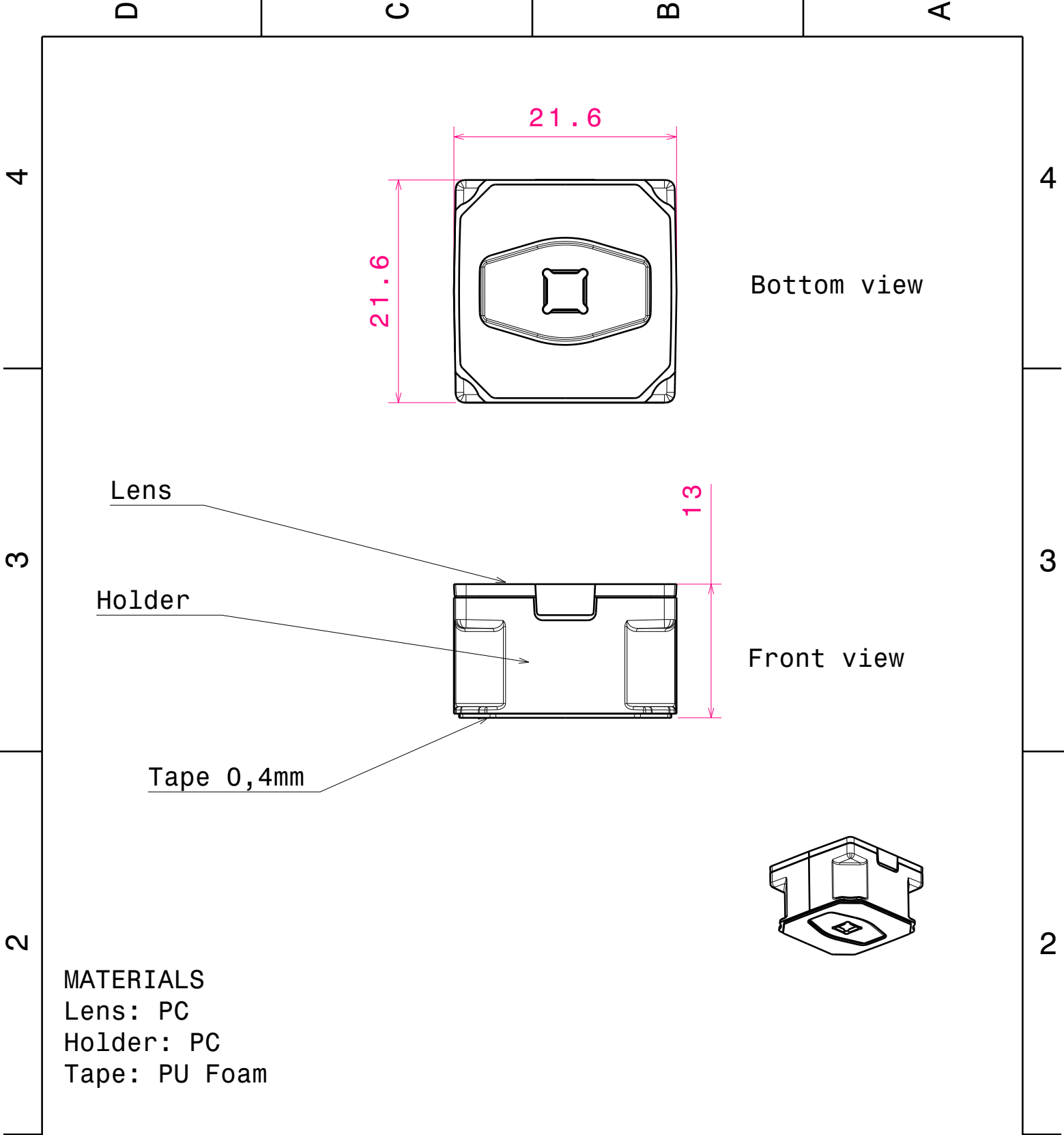
- Fastening to heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: http://www.ledil.com/datasheets/DataSheet_TAPE.pdf

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 tape.

NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape 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.

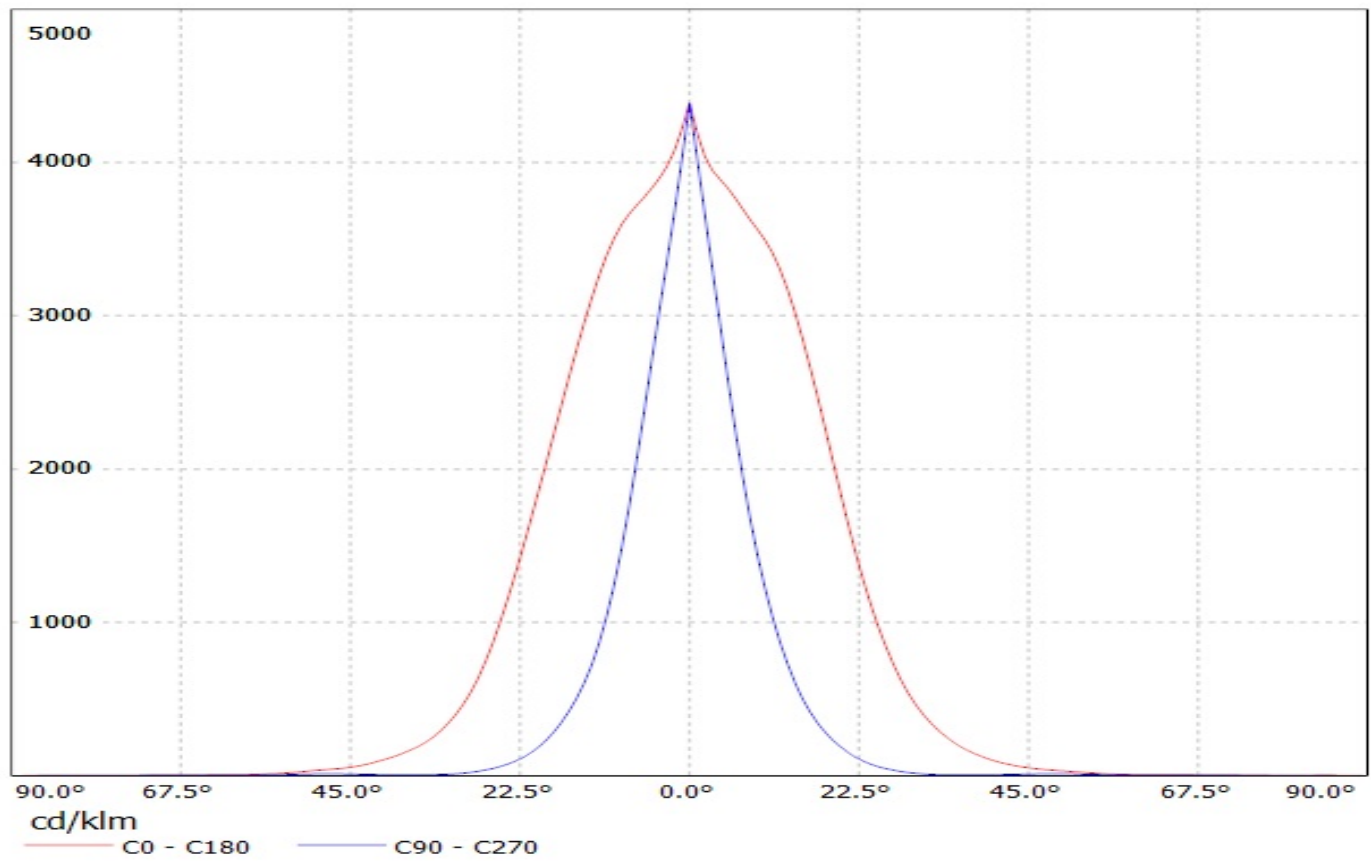
Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.



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		DRAWING TITLE			
DRAWN BY p	DATE 13.05.2009	Datasheet NIS036 series assy			
CHECKED BY t k	DATE 28.04.2009	SIZE A4	DRAWING NUMBER		REV 1
DESIGNED BY HH	DATE 29.05.2007	SCALE 2 : 1	WEIGHT (g)	-	SHEET 1 / 1

Ledil Oy CA10596_NIS036-2-O-NJSx036_SIMULATED / LDC (Linear)

Luminaire: Ledil Oy CA10596_NIS036-2-O-NJSx036_SIMULATED
Lamps: 1 x NJSx036 100lm



Ledil Oy CA10596_NIS036-2-O-NJSx036_SIMULATED / LDC (Polar)

Luminaire: Ledil Oy CA10596_NIS036-2-O-NJSx036_SIMULATED

Lamps: 1 x NJSx036 100lm

