PRODUCT DATASHEET
Martha-R series
last update 16/5/2012

Ordering number C11943_NIS83-MX-3-MR

Family	Martha-R	FWHM	22 degrees
Type	-	Efficiency	(simulated) 0 %
LED	NS6x83	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	15.3 mm		
Style	Round	MR16 Applications	
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

Ordering number C11944_NIS83-MX-3-WR

Family	Martha-R	FWHM	34 degrees
Type	-	Efficiency	(simulated) 0 %
LED	NS6x83	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	15.3 mm		
Style	Round	Space for O-ring in flange.	
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

Ordering number C11945_NIS83-MX-3-WWR

Family	Martha-R	FWHM	48 degrees
Type	-	Efficiency	(simulated) 0 %
LED	NS6x83	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	15.3 mm		
Style	Round	Space for O-ring in flange.	
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, 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.

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GENERAL INFORMATION

- Product series especially designed & optimized for NS6x83 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

- 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 boar 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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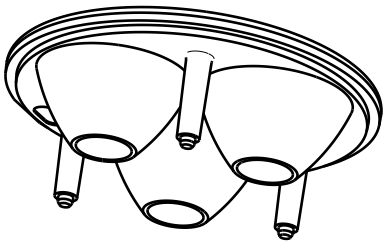

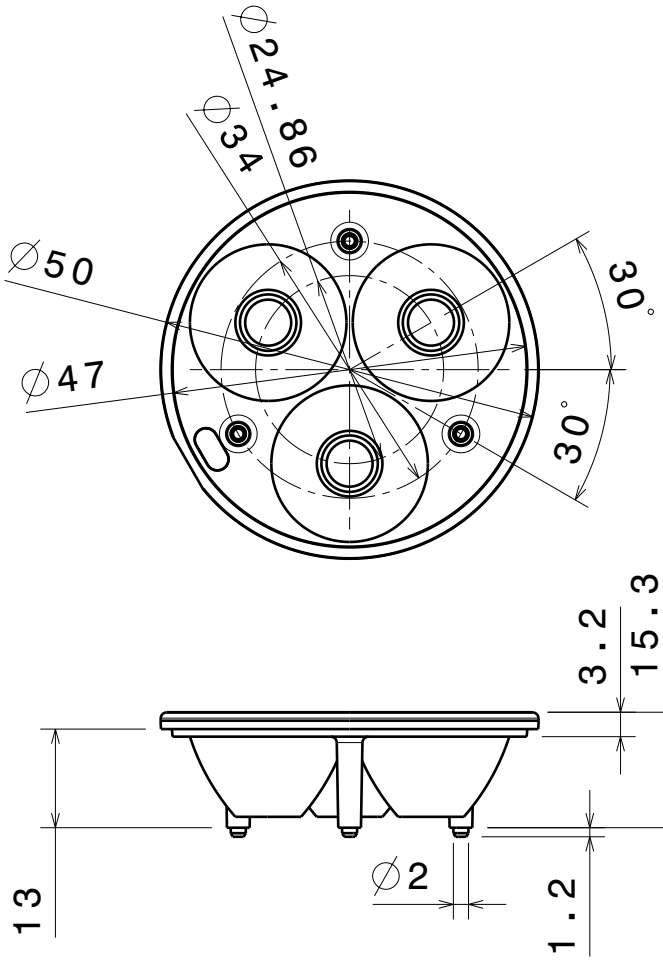

Material: PMMA

Part no.s:
C11943_NIS83-3-MR
C11944_NIS83-3-WR
C11945_NIS83-3-WWR

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LEDiL

DRAWN BY: p	DATE: 22.12.2010
CHECKED BY: t k	DATE: 21.12.2010
DESIGNED BY: HH	DATE: 08.04.2008

DRAWING TITLE: Datasheet NIS83-3-R Lens series

SIZE	DRAWING NUMBER	REV
A4		1

SCALE	WEIGHT(g)	SHEET
1:1		1/1