

**Product number C11520\_NIS83-MX-7-M**

Family	Tampa	FWHM	(simulated) 20
Type	Lens array	Efficiency	89 %
LED	MX-6	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	38 mm		
Height	11.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin"]		
Status	Production ready		

**Product number C11521\_NIS83-MX-7-MD**

Family	Tampa	FWHM	(simulated) 26
Type	Lens array	Efficiency	-
LED	MX-6	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	38 mm		
Height	11.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin"]		
Status	Production ready		

**Product number C10373\_NIS83-MX-7-M**

Family	Tampa	FWHM	20 degrees
Type	Lens array	Efficiency	-
LED	MX-6	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	38 mm		
Height	11.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin"]		
Status	Production ready		

**Product number C10633\_NIS83-MX-7-MD**

Family	Tampa	FWHM	26 degrees
Type	Lens array	Efficiency	-
LED	MX-6	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	38 mm		
Height	11.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin"]		
Status	Production ready		

**Product number C10585\_NIS83-MX-7-W**

Family	Tampa	FWHM	36 degrees
Type	Lens array	Efficiency	-
LED	MX-6	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	38 mm		
Height	11.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin"]		
Status	Production ready		

**Product number C10586\_NIS83-MX-7-WW**

Family	Tampa	FWHM	54 degrees
Type	Lens array	Efficiency	-
LED	MX-6	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	38 mm		
Height	11.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "glue"]		
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.**



## PRODUCT DATASHEET

### Tampa series

last update 27/6/2012

#### GENERAL INFORMATION

- Product series especially designed & optimized for MX-6 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%20UL94_Yellow%20Card.pdf)

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