

**Ordering number C11192_TUIJA-3-SS**

Family	Tuija	FWHM	12 degrees
Type	Lens array	Efficiency	90 %
LED	LUXEON Rebel	cd/Im	16.800
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	14.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

MR16 Applications

**Ordering number C11193_TUIJA-3-M**

Family	Tuija	FWHM	14 degrees
Type	Lens array	Efficiency	82 %
LED	LUXEON Rebel	cd/Im	6.200
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	14.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

MR16 Applications

**Ordering number C12150_TUIJA-3-M2**

Family	Tuija	FWHM	37 degrees
Type	Lens array	Efficiency	89 %
LED	LUXEON Rebel	cd/Im	1.700
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	14.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

MR16 Applications

**Ordering number C11191_TUIJA-3-W**

Family	Tuija	FWHM	48 degrees
Type	Lens array	Efficiency	86 %
LED	LUXEON Rebel	cd/Im	1.100
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	14.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

MR16 Applications



PRODUCT DATASHEET
Tuija series
last update 18/4/2012

PHILIPS
LUMILEDS

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

Tuija series

last update 18/4/2012

PHILIPS
LUMILEDS

GENERAL INFORMATION

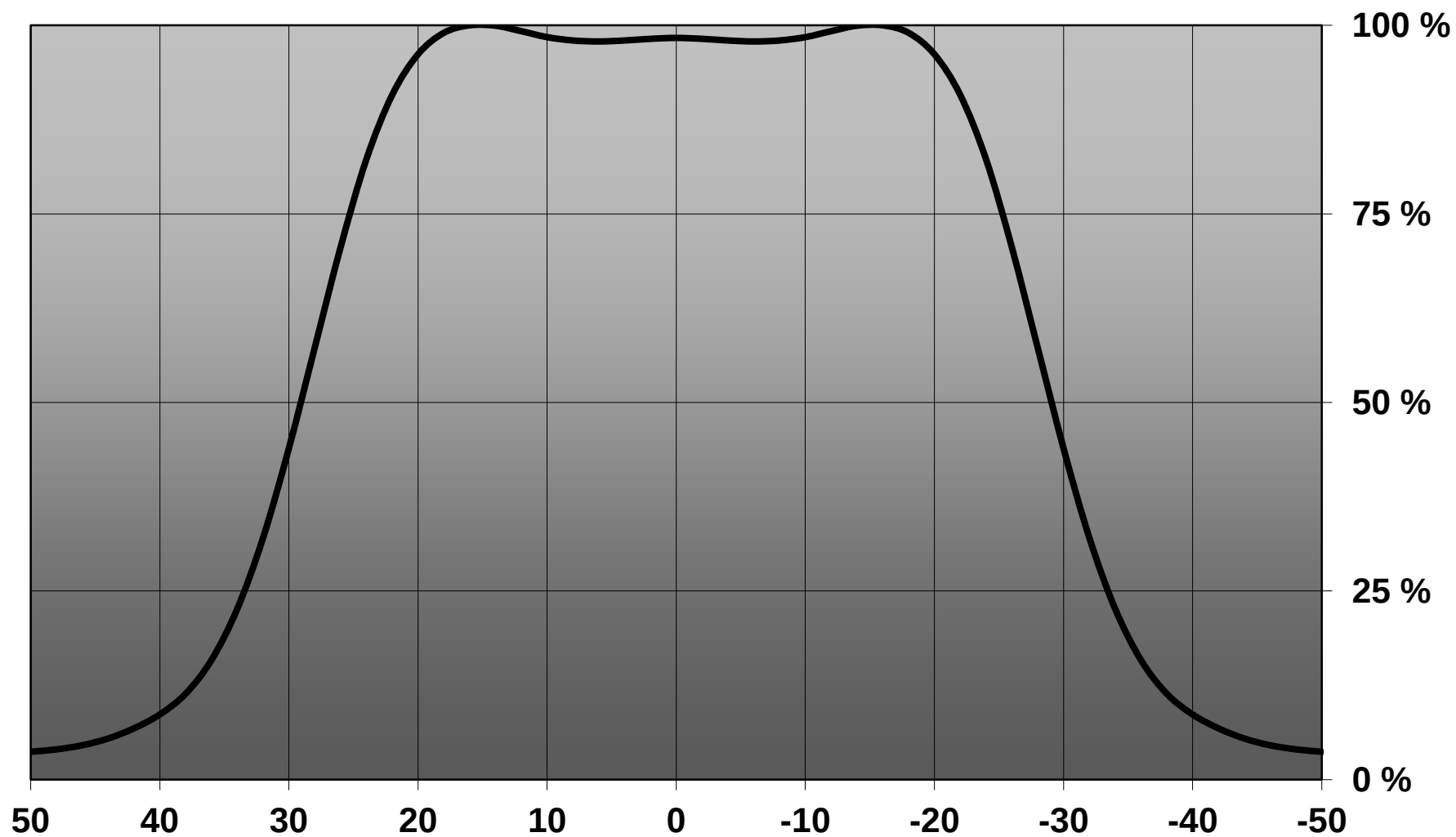
- Product series especially designed & optimized for LUXEON Rebel series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

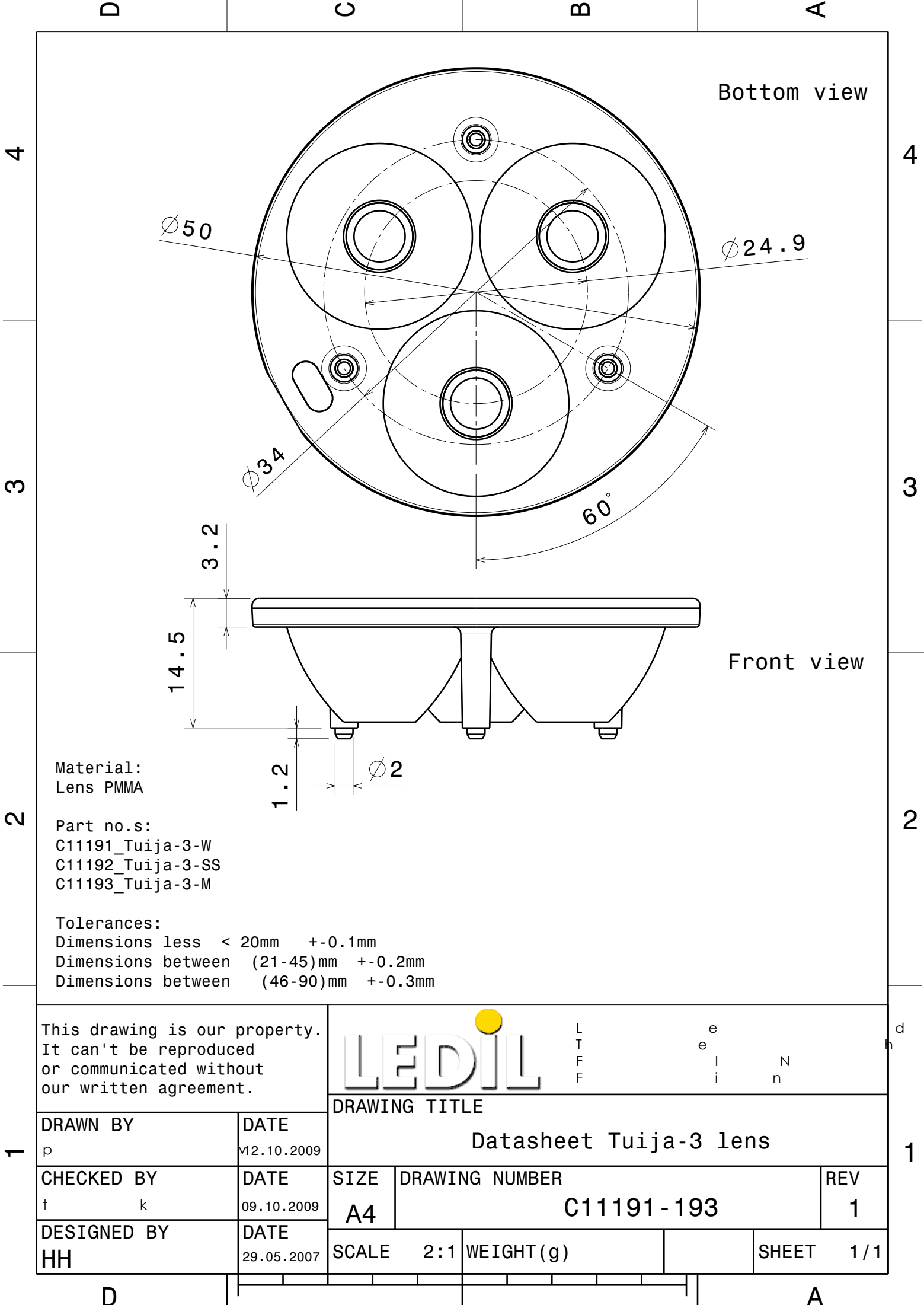
Please find more information about used material from below:

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>

Relative Intensity of C11191_Tuija-3-W-DD





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DRAWING TITLE

DRAWN BY
p

DATE
12.10.2009

Datasheet Tuija-3 lens

CHECKED BY
t k

DATE
09.10.2009

SIZE
A4

DRAWING NUMBER
C11191-193

REV
1

DESIGNED BY
HH

DATE
29.05.2007

SCALE 2:1

WEIGHT (g)

SHEET 1 / 1