

**Product number C10971\_GT4-S**

Family Gt4  
 Type Lens array  
 LED NCSxx19A  
 Color Clear  
 Diameter 35 mm  
 Height 9 mm  
 Style Round  
 Optic Material PMMA  
 Holder Material -  
 Fastening ["pin", "glue"]  
 Status Production ready

FWHM 18 degrees  
 Efficiency -  
 cd/lm -  
 Gerber File Available

MR11 applications

**Product number C10972\_GT4-M**

Family Gt4  
 Type Lens array  
 LED NCSxx19A  
 Color Clear  
 Diameter 35 mm  
 Height 9 mm  
 Style Round  
 Optic Material PMMA  
 Holder Material -  
 Fastening ["glue", "pin"]  
 Status Production ready

FWHM 28 degrees  
 Efficiency -  
 cd/lm -  
 Gerber File Available

MR11 applications

**Product number C10973\_GT4-W**

Family Gt4  
 Type Lens array  
 LED NCSxx19A  
 Color Clear  
 Diameter 35 mm  
 Height 9 mm  
 Style Round  
 Optic Material PMMA  
 Holder Material -  
 Fastening ["glue", "pin"]  
 Status Production ready

FWHM 36 degrees  
 Efficiency -  
 cd/lm -  
 Gerber File Available

MR11 applications

**Product number C10974\_GT4-WW**

Family Gt4  
 Type Lens array  
 LED NCSxx19A  
 Color Clear  
 Diameter 35 mm  
 Height 9 mm  
 Style Round  
 Optic Material PMMA  
 Holder Material -  
 Fastening ["glue", "pin"]  
 Status Production ready

FWHM 62 degrees  
 Efficiency -  
 cd/lm -  
 Gerber File Available

MR11 applications



## PRODUCT DATASHEET

### Gt4 series

last update 26/6/2013

**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

### Gt4 series

last update 26/6/2013

#### GENERAL INFORMATION

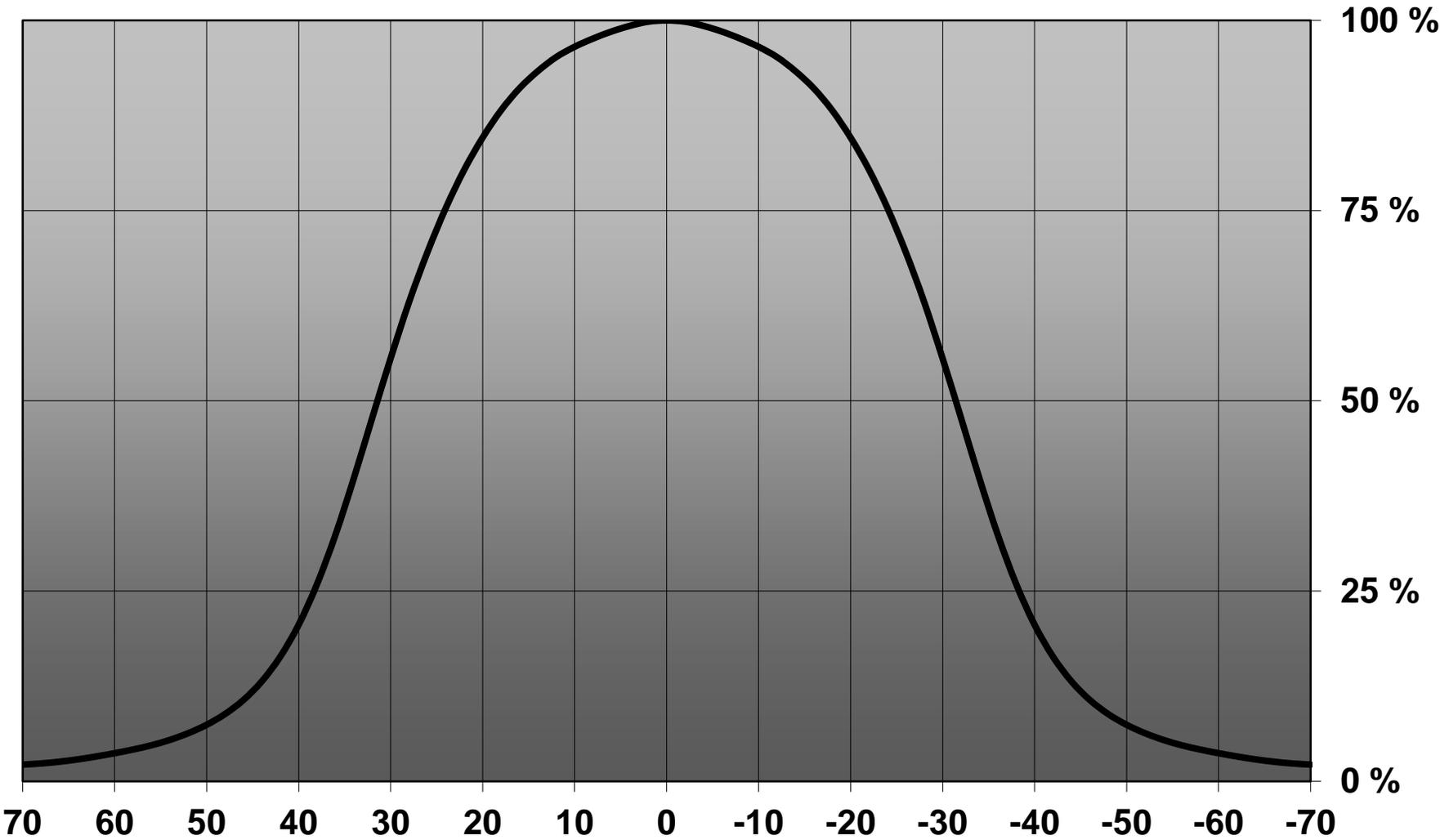
- Product series especially designed & optimized for NCSxx19A series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

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>

**Relative Intensity of C10974\_GT4-NCS19-WW**

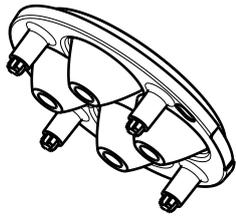


D

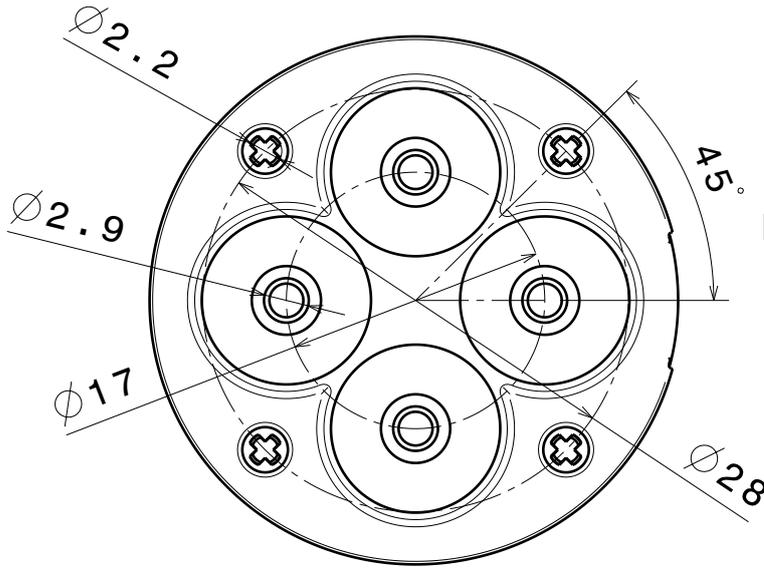
C

B

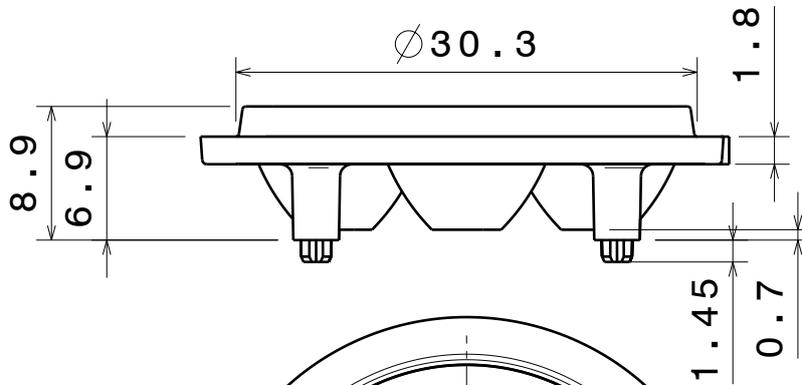
A



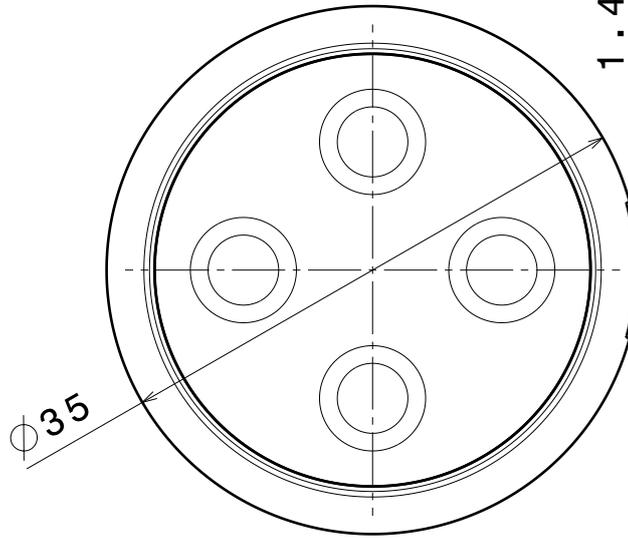
Isometric view  
Scale: 1:1



Bottom view



Front view



Top view

Material: PMMA

This drawing is our property.  
It can't be reproduced  
or communicated without  
our written agreement.



L  
T  
F  
F

e  
e  
i  
i  
N  
n

d

DRAWING TITLE

Datasheet GT4-RE series Lens

DRAWN BY

DATE

03.08.2009

CHECKED BY

DATE

03.08.2009

DESIGNED BY

DATE

23.07.2009

SIZE

A4

DRAWING NUMBER

C10971

REV

1

SCALE

2:1

WEIGHT (g)

SHEET

1/1

D

A

4

4

3

3

2

2

1

1