


**Ordering number C11799\_ANNA-50-4-S**

|                 |            |             |            |
|-----------------|------------|-------------|------------|
| Family          | Anna-50-4  | FWHM        | 18 degrees |
| Type            | Lens array | Efficiency  | 93 %       |
| LED             | XP-G       | cd/lm       | 5.940      |
| Color           | Clear      | Gerber File | Available  |
| Diameter        | 50 mm      |             |            |
| Height          | 10.7 mm    |             |            |
| Style           | Round      |             |            |
| Optic Material  | PMMA       |             |            |
| Holder Material | -          |             |            |
| Fastening       | Pin, glue  |             |            |
| Status          | Ready      |             |            |

**Ordering number C11800\_ANNA-50-4-M**

|                 |            |             |            |
|-----------------|------------|-------------|------------|
| Family          | Anna-50-4  | FWHM        | 25 degrees |
| Type            | Lens array | Efficiency  | 91 %       |
| LED             | XP-G       | cd/lm       | 3.600      |
| Color           | Clear      | Gerber File | Available  |
| Diameter        | 50 mm      |             |            |
| Height          | 10.7 mm    |             |            |
| Style           | Round      |             |            |
| Optic Material  | PMMA       |             |            |
| Holder Material | -          |             |            |
| Fastening       | Pin, glue  |             |            |
| Status          | Ready      |             |            |

**Ordering number C11801\_ANNA-50-4-W**

|                 |            |             |            |
|-----------------|------------|-------------|------------|
| Family          | Anna-50-4  | FWHM        | 36 degrees |
| Type            | Lens array | Efficiency  | 87 %       |
| LED             | XP-G       | cd/lm       | 2.000      |
| Color           | Clear      | Gerber File | Available  |
| Diameter        | 50 mm      |             |            |
| Height          | 10.7 mm    |             |            |
| Style           | Round      |             |            |
| 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.**



# PRODUCT DATASHEET

## Anna-50-4 series

last update 27/3/2012

### GENERAL INFORMATION

- Product series especially designed & optimized for XP-G 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>



Material: PMMA

- Versions:  
 Anna-3-S  
 Anna-3-M  
 Anna-3-W  
 Anna-4-S  
 Anna-4-M  
 Anna-4-W  
 Anna-5-S  
 Anna-5-M  
 Anna-5-W  
 Anna-6-S  
 Anna-6-M  
 Anna-6-W  
 Anna-7-S  
 Anna-7-M  
 Anna-7-W

Number of cones varies;  
 3, 4, 5, 6 and 7 pcs  
 on bottom side depending  
 the version.

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



DRAWING TITLE

DRAWN BY  
p

DATE  
05.10.2010

Datasheet Anna50-series Lens

CHECKED BY  
t k

DATE  
03.08.2010

SIZE A4

DRAWING NUMBER -

REV 1

DESIGNED BY  
hh

DATE  
30.07.2010

SCALE 1:1

WEIGHT (g)

SHEET 1/1

4

4

3

3

2

2

1

1

D

A