

**Ordering number C11811\_ANNA-50-6-S**

|                 |                 |             |            |
|-----------------|-----------------|-------------|------------|
| Family          | Anna-50-6       | FWHM        | 18 degrees |
| Type            | Lens array      | Efficiency  | 93 %       |
| LED             | LUXEON Rebel ES | cd/lm       | 6.100      |
| 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 C11812\_ANNA-50-6-M**

|                 |                 |             |            |
|-----------------|-----------------|-------------|------------|
| Family          | Anna-50-6       | FWHM        | 27 degrees |
| Type            | Lens array      | Efficiency  | 87 %       |
| LED             | LUXEON Rebel ES | cd/lm       | 2.300      |
| 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 C11813\_ANNA-50-6-W**

|                 |                 |             |            |
|-----------------|-----------------|-------------|------------|
| Family          | Anna-50-6       | FWHM        | 29 degrees |
| Type            | Lens array      | Efficiency  | 86 %       |
| LED             | LUXEON Rebel ES | cd/lm       | 2.200      |
| 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-50-6 series

last update 25/10/2012

PHILIPS  
LUMILEDS

#### GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON Rebel ES 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.

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DRAWING TITLE

|                   |  |                    |  |                              |                     |              |          |
|-------------------|--|--------------------|--|------------------------------|---------------------|--------------|----------|
| DRAWN BY<br>p     |  | DATE<br>05.10.2010 |  | Datasheet Anna50-series Lens |                     |              |          |
| CHECKED BY<br>t k |  | DATE<br>03.08.2010 |  | SIZE<br>A4                   | DRAWING NUMBER<br>- |              | REV<br>1 |
| DESIGNED BY<br>hh |  | DATE<br>30.07.2010 |  | SCALE<br>1:1                 | WEIGHT (g)          | SHEET<br>1/1 |          |

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