

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

Family	Anna-50-4	FWHM	19 degrees
Type	Lens array	Efficiency	87 %
LED	LUXEON A	cd/Im	5.710
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	26 degrees
Type	Lens array	Efficiency	84 %
LED	LUXEON A	cd/Im	2.840
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	34 degrees
Type	Lens array	Efficiency	82 %
LED	LUXEON A	cd/Im	1.680
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

PHILIPS  
LUMILEDS

**GENERAL INFORMATION**

- Product series especially designed & optimized for LUXEON A 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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L T F F e e i n

DRAWING TITLE  
**Datasheet Anna50-series Lens**

DRAWN BY p	DATE 05.10.2010
CHECKED BY t k	DATE 03.08.2010
DESIGNED BY hh	DATE 30.07.2010

SIZE <b>A4</b>	DRAWING NUMBER -	REV <b>1</b>
SCALE <b>1:1</b>	WEIGHT (g)	SHEET <b>1/1</b>

4

4

3

3

2

2

1

1

D

A