

**Ordering number C11612\_ANNA-50-5-S**

Family	Anna-50-5	FWHM	16 degrees
Type	Lens array	Efficiency	91 %
LED	NCSxx19A	cd/lm	6.700
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 C11613\_ANNA-50-5-M**

Family	Anna-50-5	FWHM	23 degrees
Type	Lens array	Efficiency	89 %
LED	NCSxx19A	cd/lm	3.200
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

**Ordering number C11614\_ANNA-50-5-W**

Family	Anna-50-5	FWHM	28 degrees
Type	Lens array	Efficiency	86 %
LED	NCSxx19A	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-50-5 series**  
last update 27/3/2012



**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>



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

Datasheet Anna50-series Lens

DRAWN BY p		DATE 05.10.2010		DRAWING TITLE 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

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2

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