

**Ordering number C11793_ANNA-40-4-S**

Family	Anna-40-4	FWHM	16 degrees
Type	Lens array	Efficiency	91 %
LED	NCSxx19A	cd/lm	6.700
Color	Clear	Gerber File	Available
Diameter	40 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

Ordering number C11794_ANNA-40-4-M

Family	Anna-40-4	FWHM	23 degrees
Type	Lens array	Efficiency	89 %
LED	NCSxx19A	cd/lm	3.200
Color	Clear	Gerber File	Available
Diameter	40 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

Ordering number C11795_ANNA-40-4-W

Family	Anna-40-4	FWHM	28 degrees
Type	Lens array	Efficiency	86 %
LED	NCSxx19A	cd/lm	2.000
Color	Clear	Gerber File	Available
Diameter	40 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-40-4 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%20PLEXIGLAS-Datasheet.pdf>

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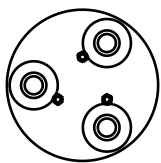
3

2

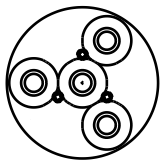
2

1

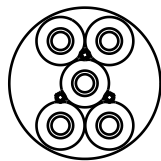
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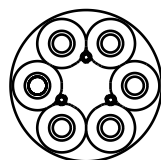
Anna-3



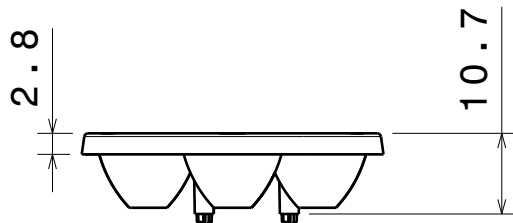
Anna-4



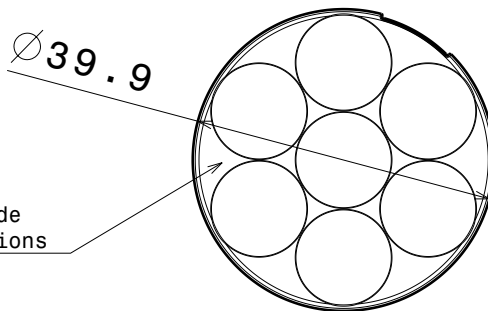
Anna-5



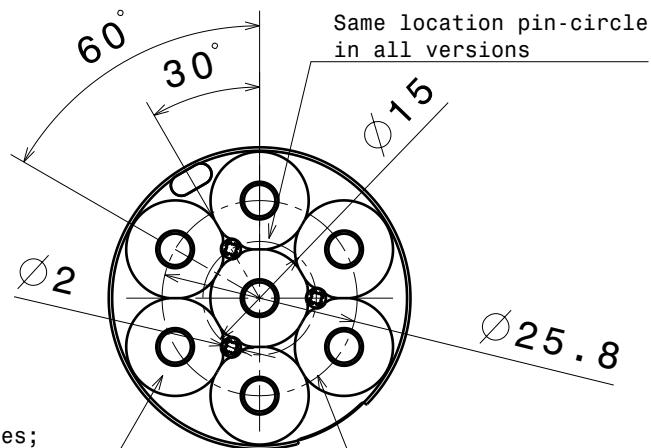
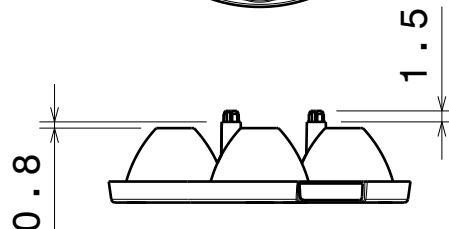
Anna-6



Anna-7



Same top side in all versions



Same location pin-circle in all versions

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

Same led-circle in all versions

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

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DRAWING TITLE

Datasheet Anna40-series Lens

DRAWN BY p	DATE 12.10.2010
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CHECKED BY s n	DATE 12.10.2010
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DESIGNED BY hh	DATE 30.07.2010
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SIZE A4	DRAWING NUMBER -	REV 1
SCALE 1:1	WEIGHT (g)	SHEET 1/1

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