



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



ANNA-50-5-M

~20° medium beam with 5 optics

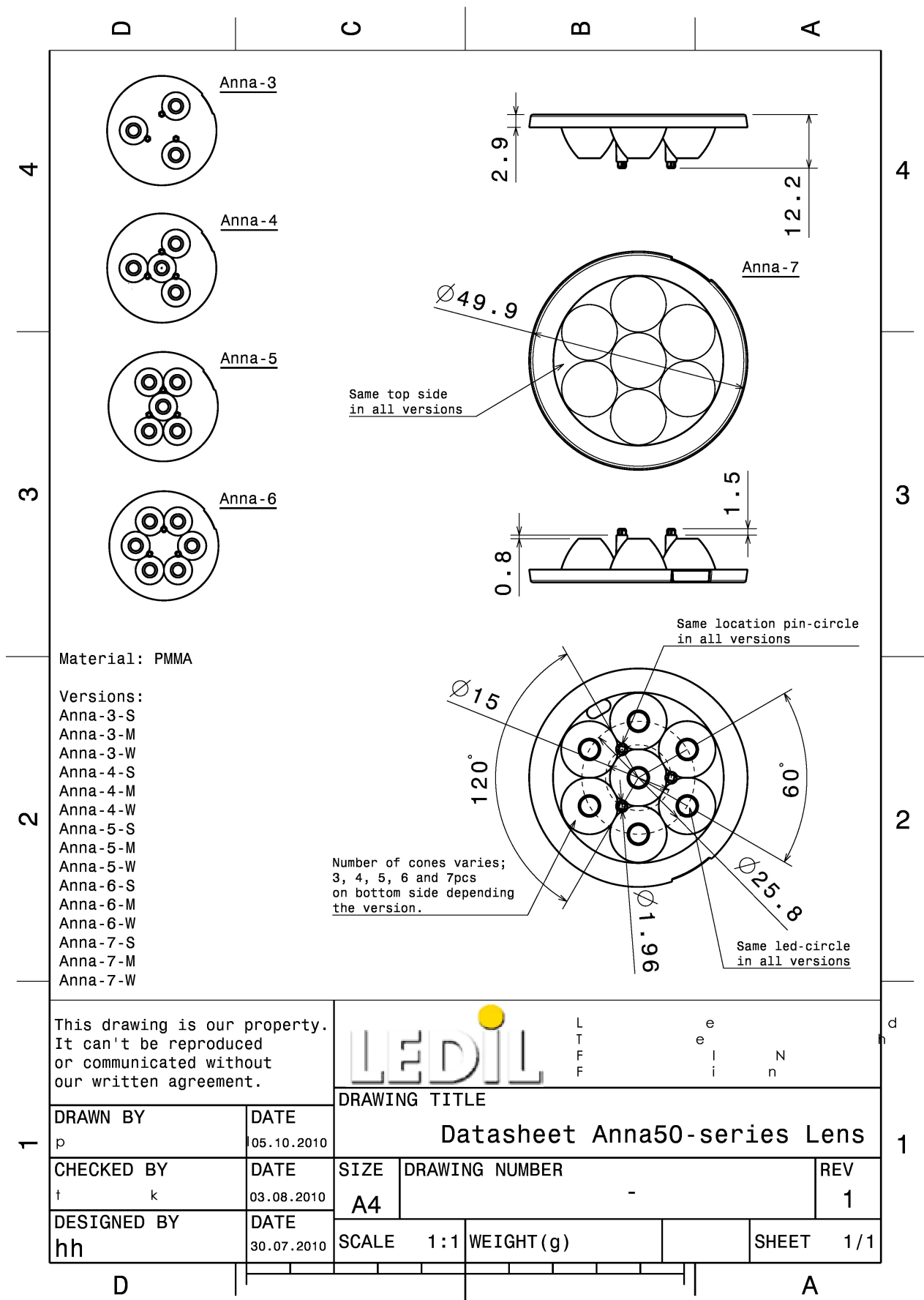
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50 mm
Height	10.7 mm
Fastening	pin, glue
Colour	clear
Box size	
Box weight	6.1 kg
Quantity in Box	512 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
ANNA-50-5-M	Lens array	PMMA	clear



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L T F F e e e e n d
i i n n

DRAWN BY p		DATE 05.10.2010	DRAWING TITLE Datasheet Anna50-series Lens			
CHECKED BY i 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		

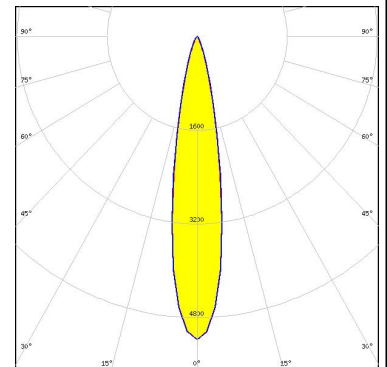
PHOTOMETRIC DATA (MEASURED):

CREE

LED XB-D
FWHM 22.0°
Efficiency 87 %
Peak intensity 3.450 cd/lm
Required components:

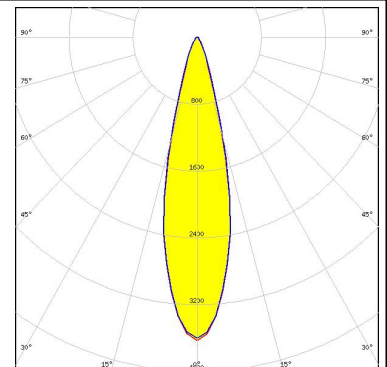
CREE

LED XP-E
FWHM 19.0°
Efficiency 91 %
Peak intensity 5.200 cd/lm
Required components:



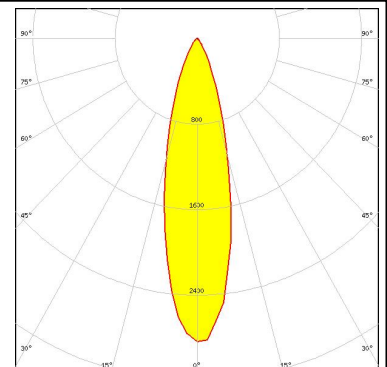
CREE

LED XP-G
FWHM 25.0°
Efficiency 91 %
Peak intensity 3.600 cd/lm
Required components:



LUMILEDS

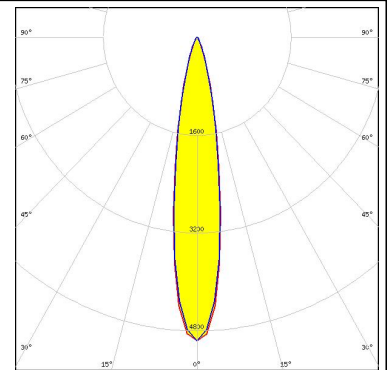
LED LUXEON A
FWHM 26.0°
Efficiency 84 %
Peak intensity 2.840 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

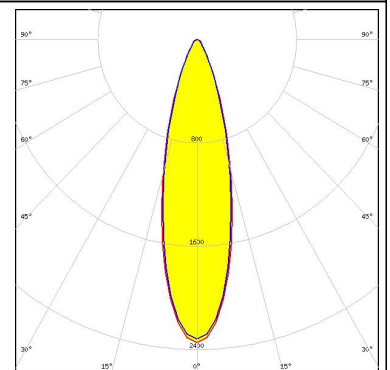
LUMILEDS

LED LUXEON Rebel
FWHM 18.0°
Efficiency 87 %
Peak intensity 5.000 cd/lm
Required components:



LUMILEDS

LED LUXEON Rebel ES
FWHM 27.0°
Efficiency 87 %
Peak intensity 2.300 cd/lm
Required components:

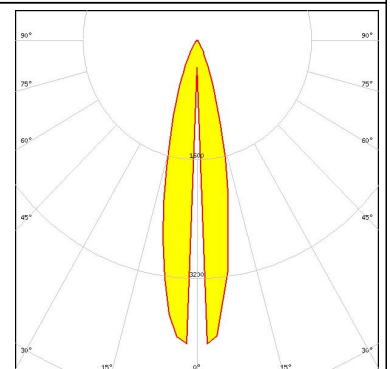


NICHIA

LED NCSxx19A
FWHM 23.0°
Efficiency 89 %
Peak intensity 3.200 cd/lm
Required components:

NICHIA

LED NF2x757A
FWHM 20.0°
Efficiency 90 %
Peak intensity 4.080 cd/lm
Required components:



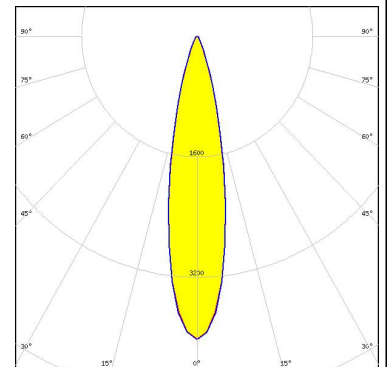
PHOTOMETRIC DATA (MEASURED):



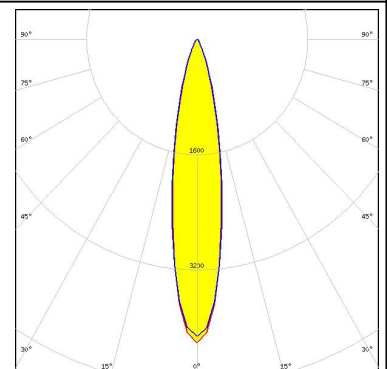
LED NVSxx19A
FWHM 25.0°
Efficiency 89 %
Peak intensity 2.900 cd/lm
Required components:




LED Oslon SSL 150
FWHM 22.0°
Efficiency 89 %
Peak intensity 4.000 cd/lm
Required components:



LED Oslon SSL 80
FWHM 20.0°
Efficiency 90 %
Peak intensity 11.700 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):

 SEOUL SEMICONDUCTOR	
LED	Z5
FWHM	23.0°
Efficiency	%
Peak intensity	cd/lm
Required components:	
SHARP	
LED	Double Dome (GM2BB)
FWHM	24.0°
Efficiency	%
Peak intensity	cd/lm
Required components:	

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

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