



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



BILLIE-A

Asymmetric beam for billboards. Assembly with holder and installation tape.

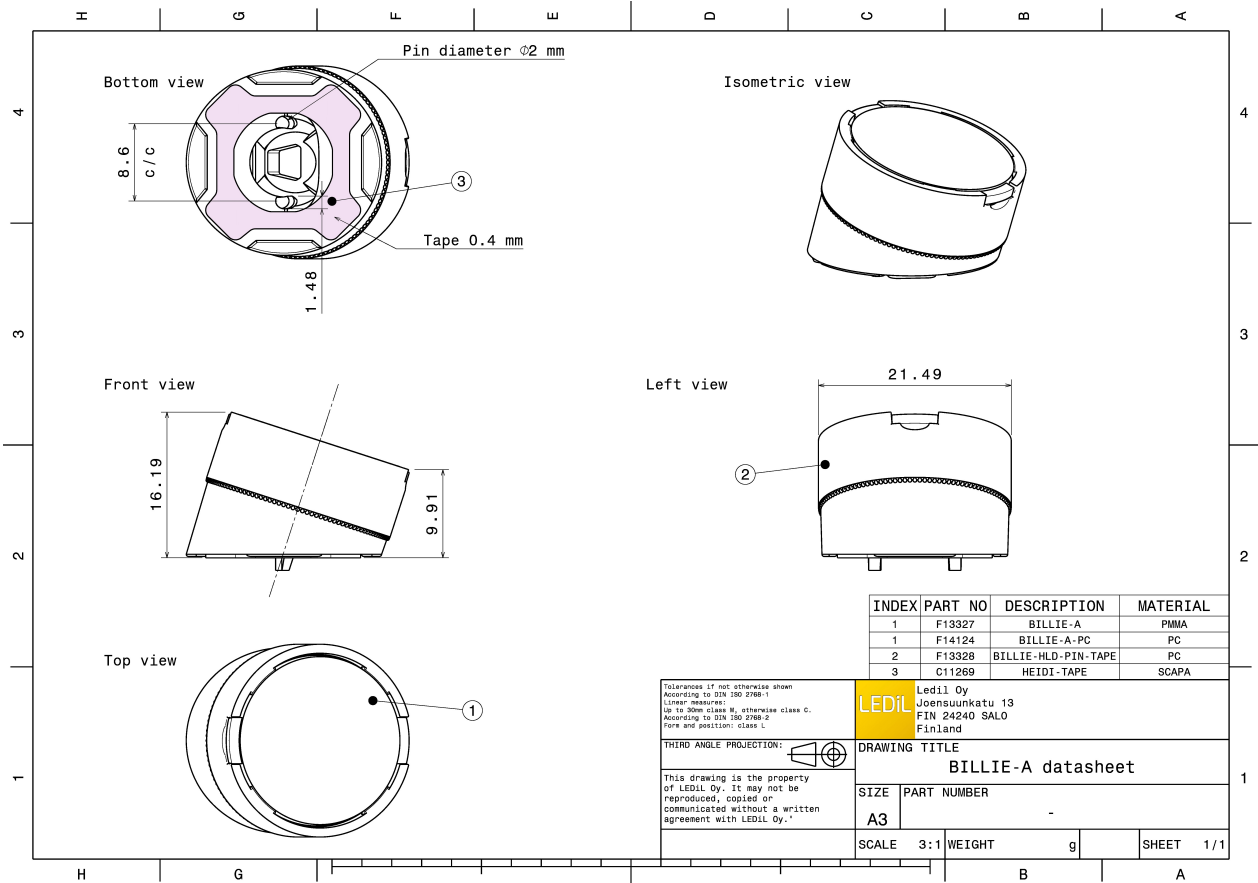
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.5 mm
Height	16.1 mm
Fastening	tape, pin
Colour	white
Box size	480 x 280 x 300 mm
Box weight	7.9 kg
Quantity in Box	1792 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

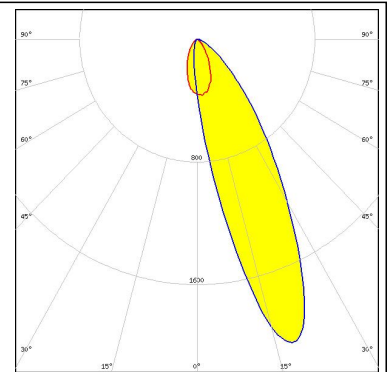
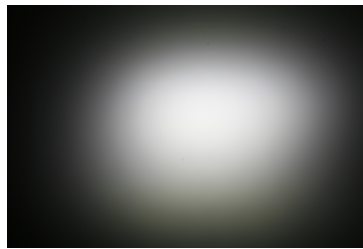
Component	Type	Material	Colour
BILLIE-A	Lens	PMMA	clear
BILLIE-HLD-PIN-TAPE	Holder	PC	white
HEIDI-TAPE	Tape	Acrylic tape	black



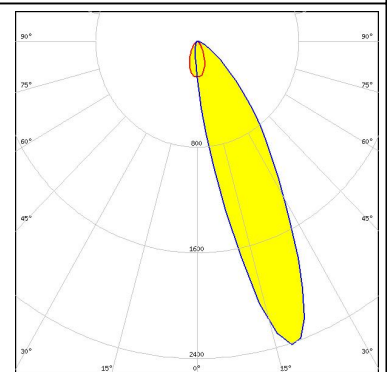
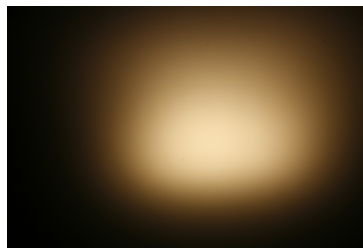
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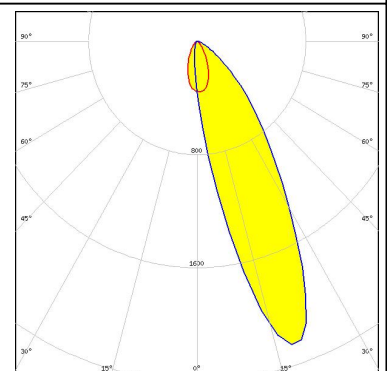
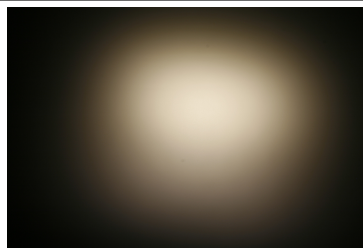
LED XB-D
FWHM Asymmetric
Efficiency 85 %
Peak intensity 2.100 cd/lm
Required components:



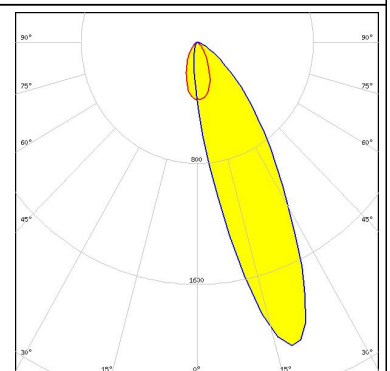
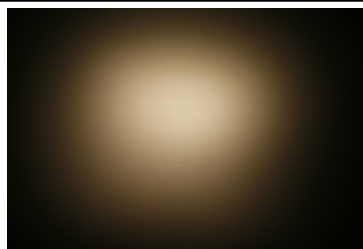
LED XP-E
FWHM Asymmetric
Efficiency 89 %
Peak intensity 2.400 cd/lm
Required components:



LED XP-G
FWHM Asymmetric
Efficiency 88 %
Peak intensity 2.200 cd/lm
Required components:



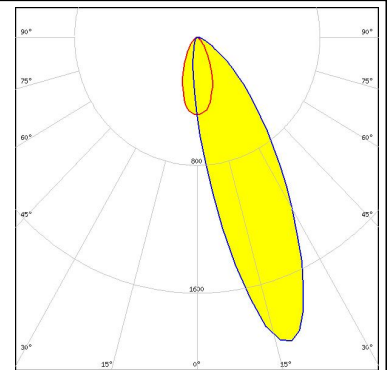
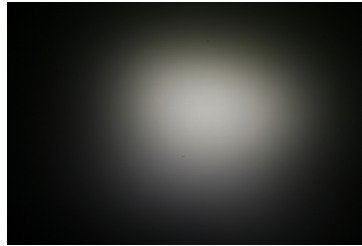
LED LUXEON A
FWHM Asymmetric
Efficiency 88 %
Peak intensity 2.100 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

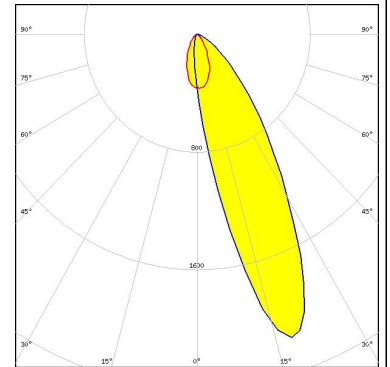
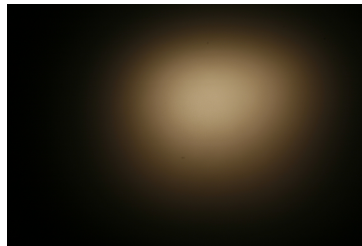
LUMILEDS

LED LUXEON R
FWHM Asymmetric
Efficiency 88 %
Peak intensity 2.000 cd/lm
Required components:



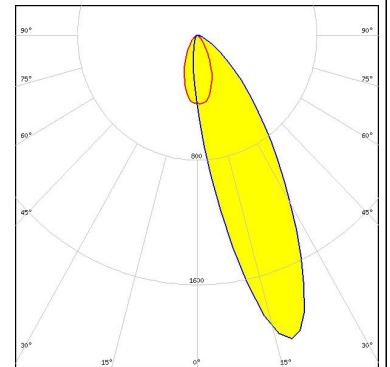
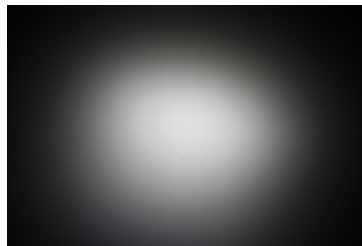
LUMILEDS

LED LUXEON Rebel
FWHM Asymmetric
Efficiency 87 %
Peak intensity 2.200 cd/lm
Required components:



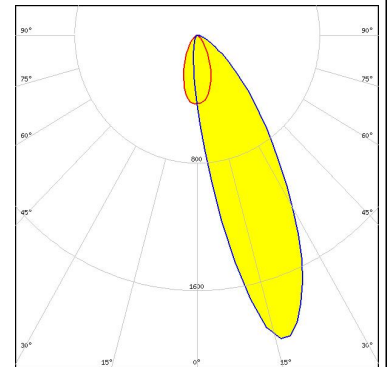
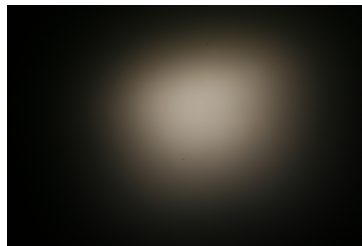
LUMILEDS

LED LUXEON Rebel ES
FWHM Asymmetric
Efficiency 88 %
Peak intensity 2.000 cd/lm
Required components:

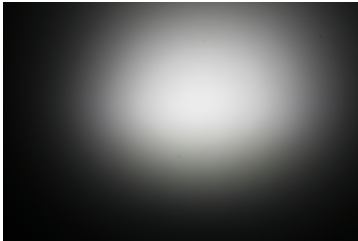
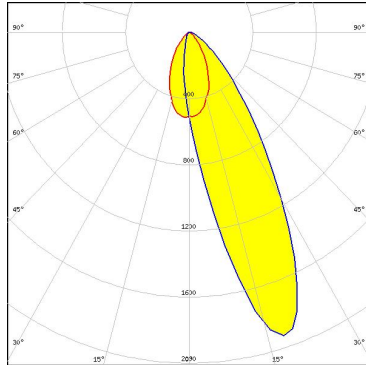
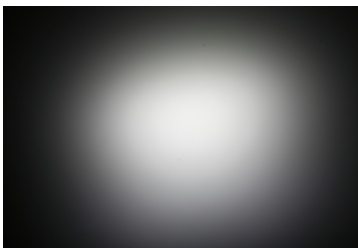
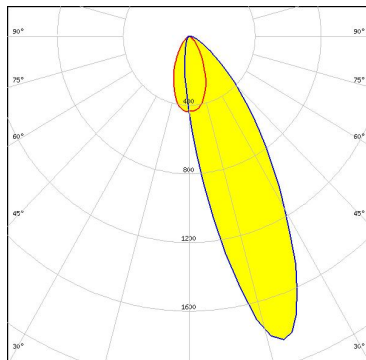

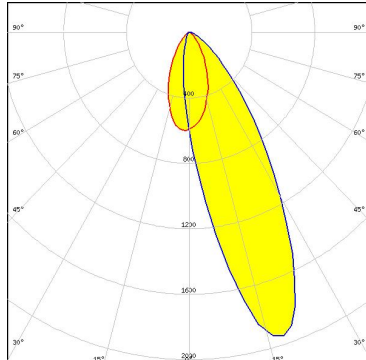

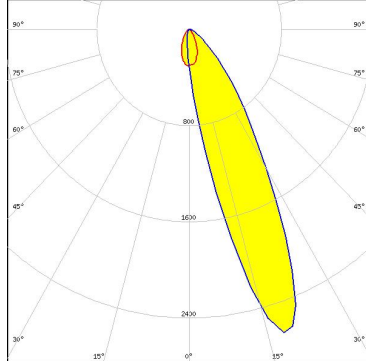


NICHIA

LED NCSxx19A
FWHM Asymmetric
Efficiency 86 %
Peak intensity 2.000 cd/lm
Required components:



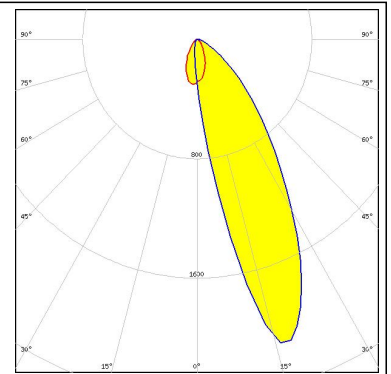
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NF2x757A FWHM Asymmetric Efficiency 88 % Peak intensity 1.900 cd/lm Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19A FWHM Asymmetric Efficiency 85 % Peak intensity 1.900 cd/lm Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S5 (2 chip) FWHM Asymmetric Efficiency 90 % Peak intensity 2.000 cd/lm Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Oslon SSL 150 FWHM Asymmetric Efficiency 88 % Peak intensity 2.700 cd/lm Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

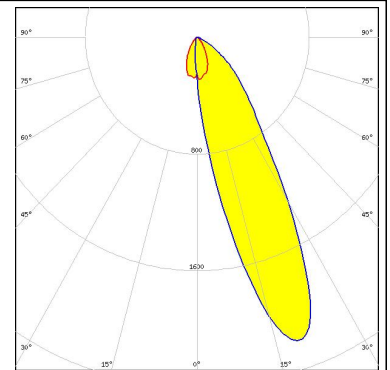
LED Oslon SSL 80
FWHM Asymmetric
Efficiency 88 %
Peak intensity 2.100 cd/lm
Required components:



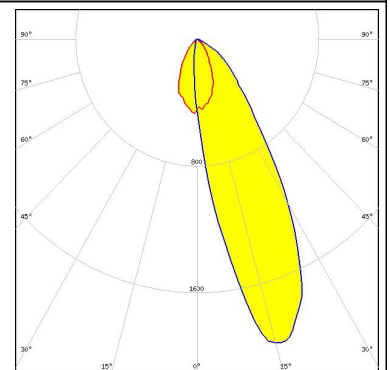
PHOTOMETRIC DATA (SIMULATED):



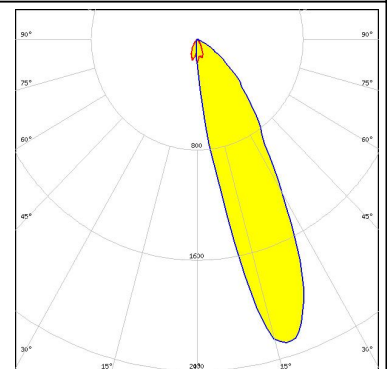
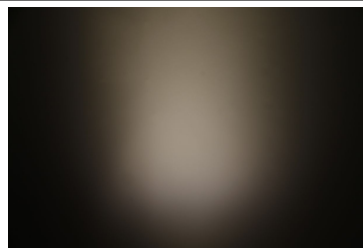
LED LUXEON TX
FWHM Asymmetric
Efficiency 91 %
Peak intensity 2.200 cd/lm
Required components:



LED NF2x757G
FWHM Asymmetric
Efficiency 93 %
Peak intensity 2.000 cd/lm
Required components:



LED Oslon Square EC
FWHM Asymmetric
Efficiency 86 %
Peak intensity 2.290 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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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
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