

## 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
ROHS compliant	yes ⓘ

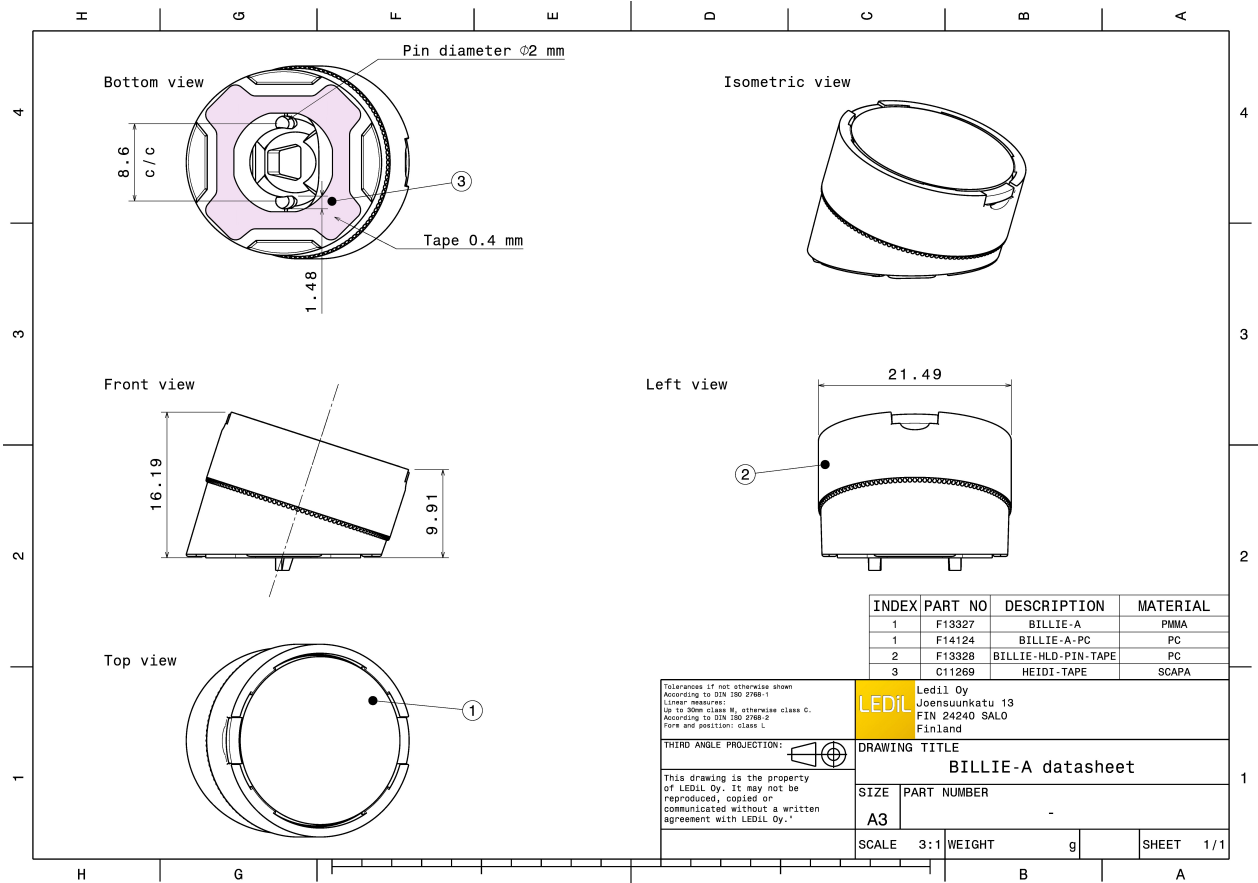
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
BILLIE-A	Single lens	PMMA		
BILLIE-HLD-PIN-TAPE	Holder	PC		
HEIDI-TAPE	Tape	PU tape		



### ORDERING INFORMATION:

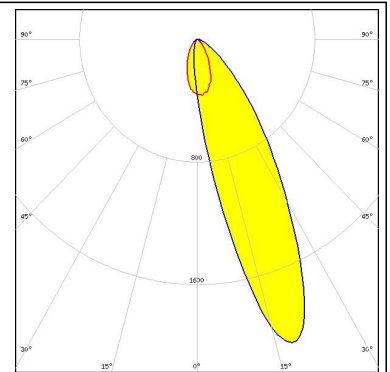
Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA13329_BILLIE-A	Single lens	1792	336	112	7.9
» Box size: 480 x 280 x 300 mm					



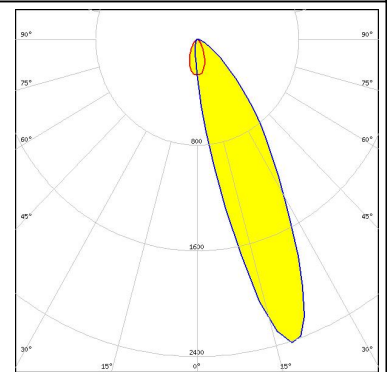
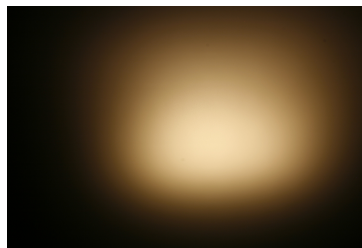
### PHOTOMETRIC DATA (MEASURED):



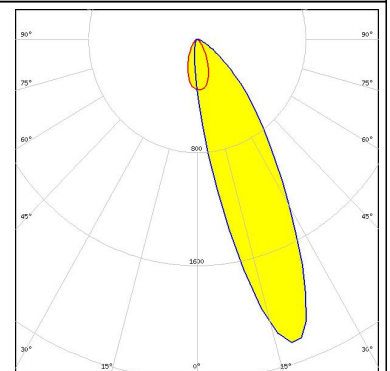
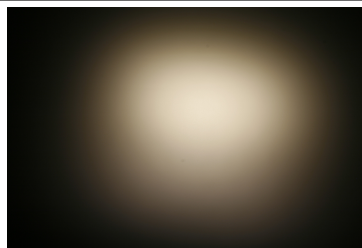
LED XB-D  
 FWHM Asymmetric  
 Efficiency 85 %  
 Peak intensity 2.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



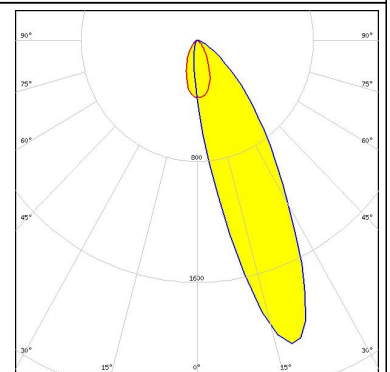
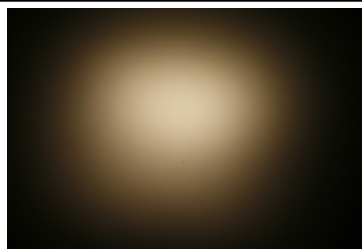
LED XP-E  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 2.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 2.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



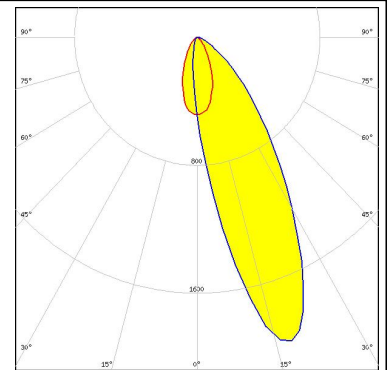
LED LUXEON A  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 2.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

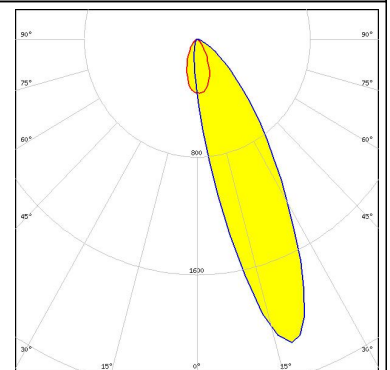
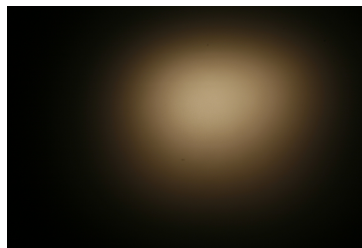
#### LUMILEDS

LED LUXEON R  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 2.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



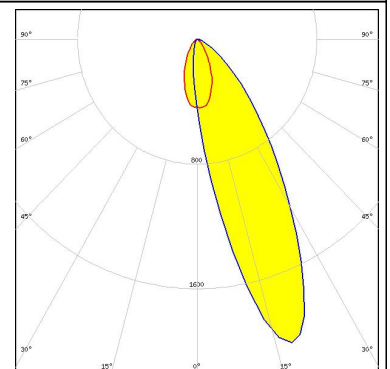
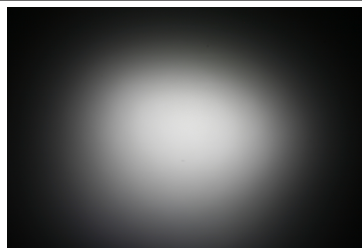
#### LUMILEDS

LED LUXEON Rebel  
 FWHM Asymmetric  
 Efficiency 87 %  
 Peak intensity 2.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



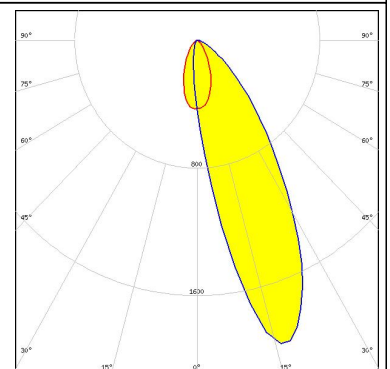
#### LUMILEDS

LED LUXEON Rebel ES  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 2.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


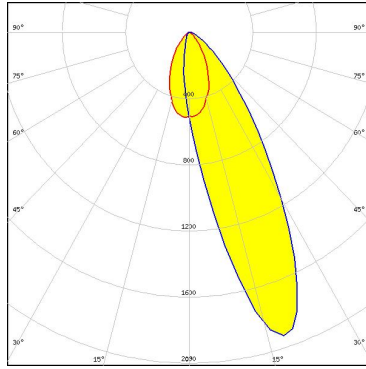
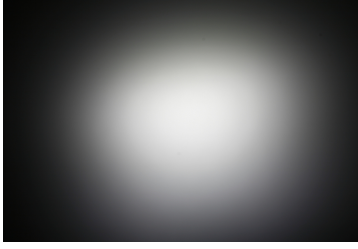
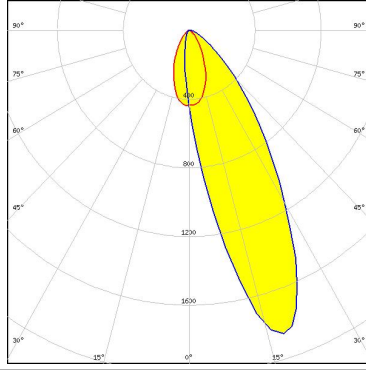
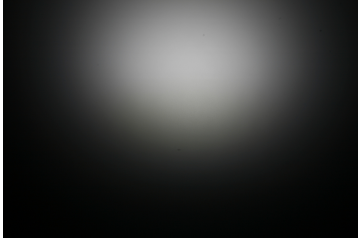
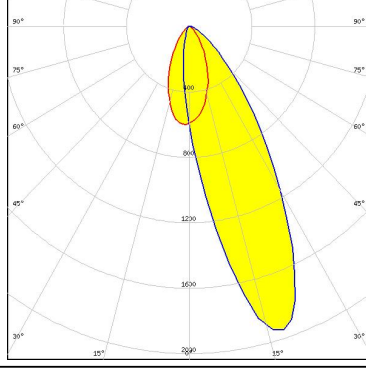

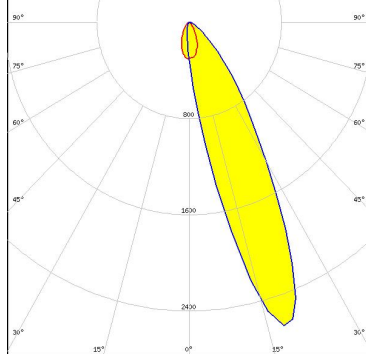


#### NICHIA

LED NCSxx19A  
 FWHM Asymmetric  
 Efficiency 86 %  
 Peak intensity 2.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



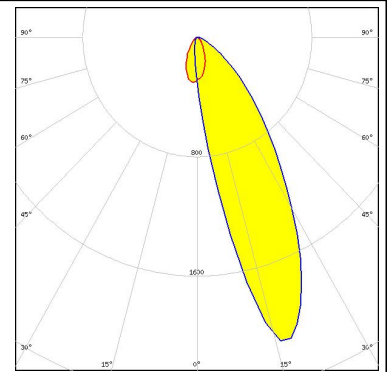
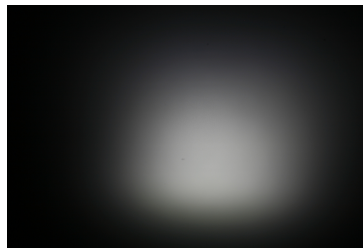
#### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NF2x757A            FWHM Asymmetric            Efficiency 88 %            Peak intensity 1.900 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19A            FWHM Asymmetric            Efficiency 85 %            Peak intensity 1.900 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris S5 (2 chip)            FWHM Asymmetric            Efficiency 90 %            Peak intensity 2.000 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM SSL 150            FWHM Asymmetric            Efficiency 88 %            Peak intensity 2.700 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

## PHOTOMETRIC DATA (MEASURED):

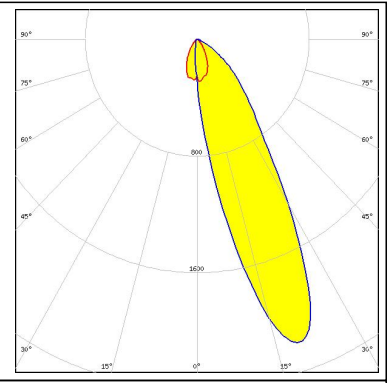
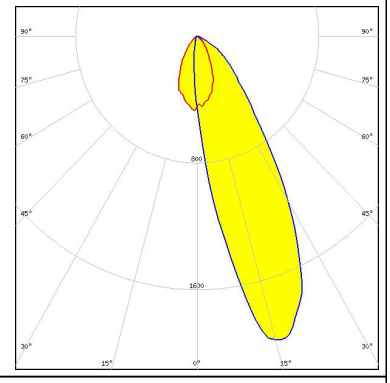
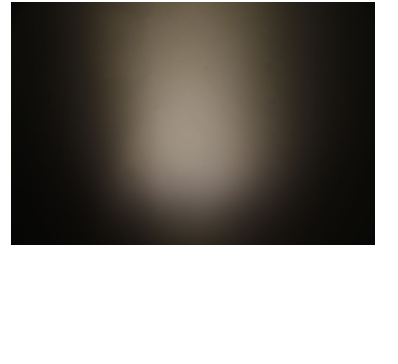
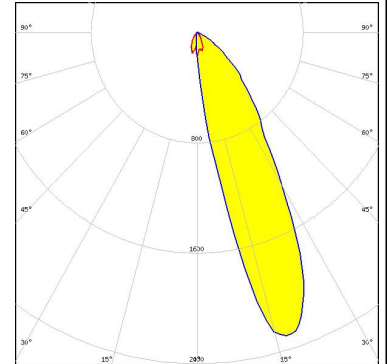
**OSRAM**  
Opto Semiconductors

LED	OSLON SSL 80
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	2.100 cd/m
LEDs/each optic	1
Light colour	White
Required components:	





**PHOTOMETRIC DATA (SIMULATED):**

<p><b>LUMILEDS</b></p> <p>LED LUXEON TX            FWHM Asymmetric            Efficiency 91 %            Peak intensity 2.200 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NF2x757G            FWHM Asymmetric            Efficiency 93 %            Peak intensity 2.000 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSOLON Square EC            FWHM Asymmetric            Efficiency 86 %            Peak intensity 2.290 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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#### Shipping locations

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#### Distribution Partners

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.