

## ILONA-RS

~10° spot beam

### TECHNICAL SPECIFICATIONS:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 49.8 mm |
| Height         | 29.3 mm   |
| Fastening      | socket    |
| ROHS compliant | yes ⓘ     |

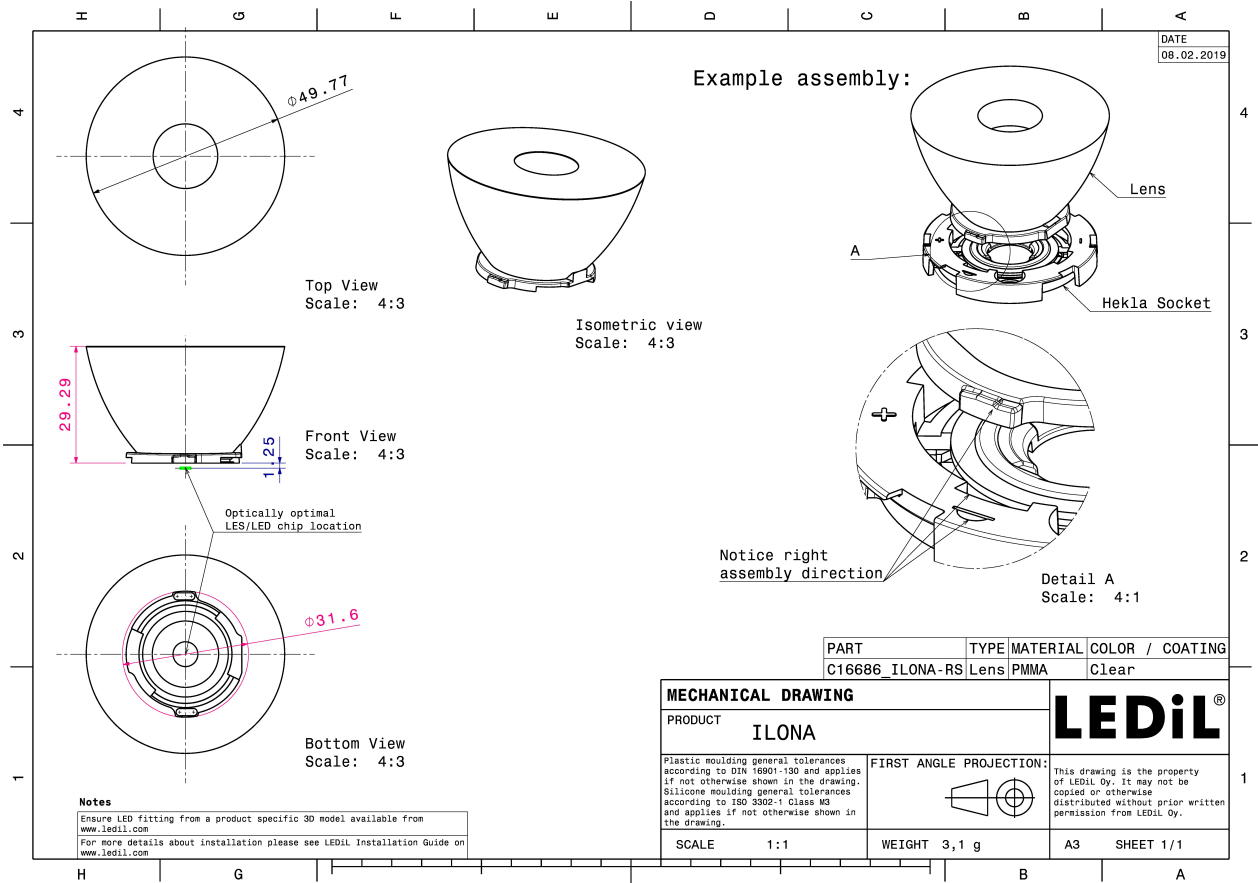
### MATERIAL SPECIFICATIONS:

| Component | Type        | Material | Colour | Finish |
|-----------|-------------|----------|--------|--------|
| ILONA-RS  | Single lens | PMMA     | clear  |        |



### ORDERING INFORMATION:

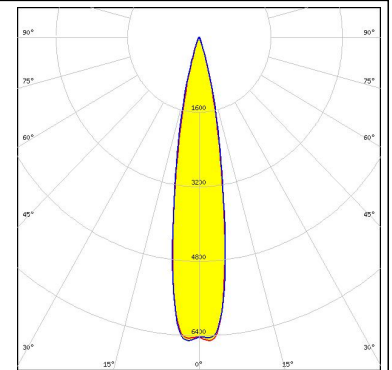
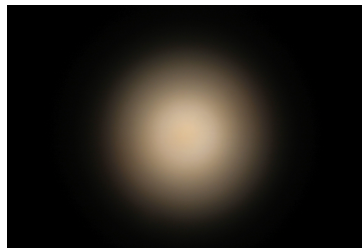
| Component   | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|------------|-----|-----|-----------------|
| C16686_ILONA-RS<br>» Box size: 480 x 280 x 300 mm | 297        | 33  | 33  | 10.8            |



#### PHOTOMETRIC DATA (MEASURED):

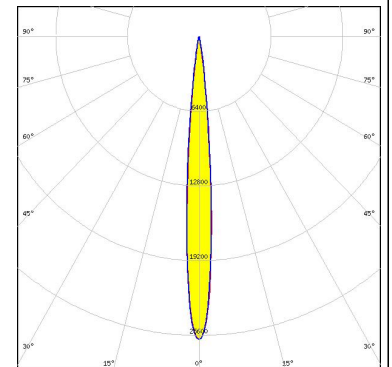
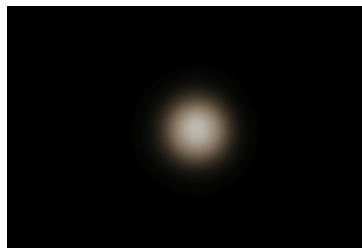


LED Vesta DTW 9mm (4W/6W/12W)  
 FWHM 19.0°  
 Efficiency 93 %  
 Peak intensity 6.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 490 Typ L8



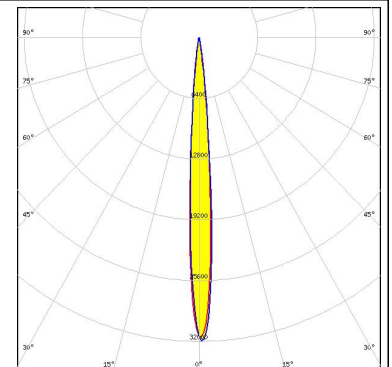
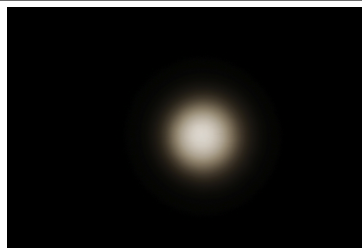
#### CITIZEN

LED CLU7A2 (LES 4.2mm)  
 FWHM 9.0°  
 Efficiency 94 %  
 Peak intensity 26 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

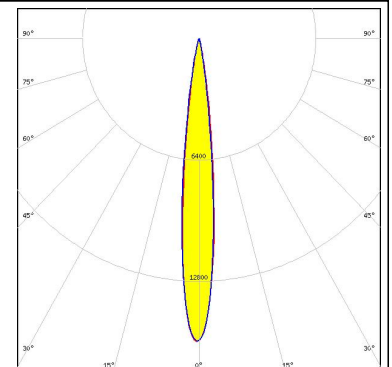


#### CITIZEN

LED CLU7B2  
 FWHM 8.0°  
 Efficiency 94 %  
 Peak intensity 32.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



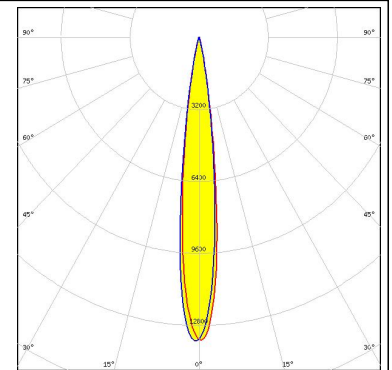
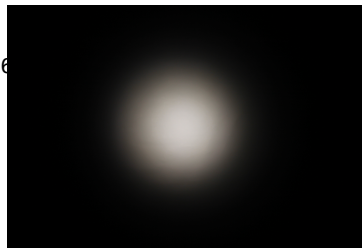
LED LUXEON CX Plus CoB - HD S01H4  
 FWHM 12.0°  
 Efficiency 94 %  
 Peak intensity 16 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



#### PHOTOMETRIC DATA (MEASURED):

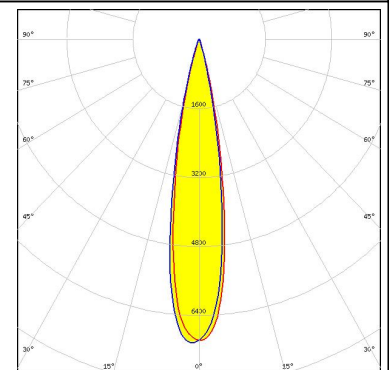
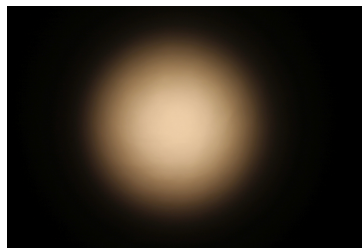
#### LUMILEDS

LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6  
 FWHM 13.0°  
 Efficiency 94 %  
 Peak intensity 13.6 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



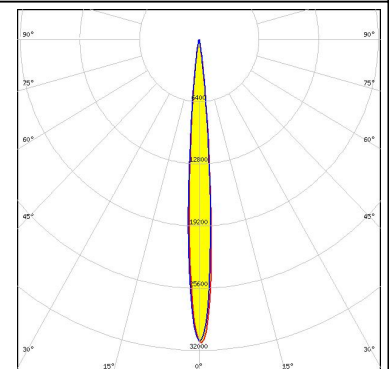
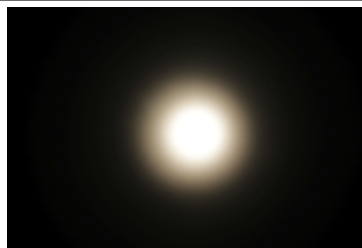
#### LUMILEDS

LED LUXEON CX Plus CoB - HD S04H9  
 FWHM 19.0°  
 Efficiency 94 %  
 Peak intensity 7 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 634c Hekla



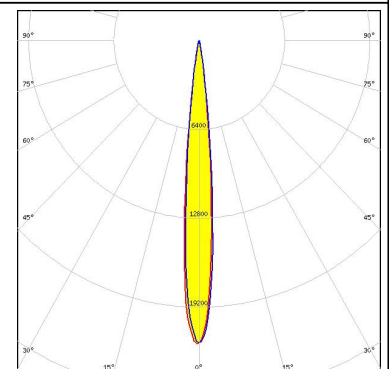
#### LUMINUS

LED CXM-3  
 FWHM 9.0°  
 Efficiency 94 %  
 Peak intensity 31.3 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### LUMINUS

LED CXM-4  
 FWHM 10.0°  
 Efficiency 94 %  
 Peak intensity 21.9 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

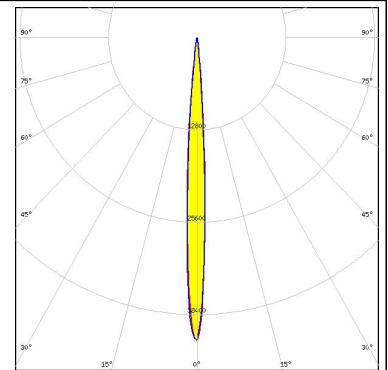
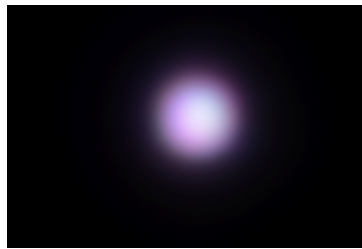


#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

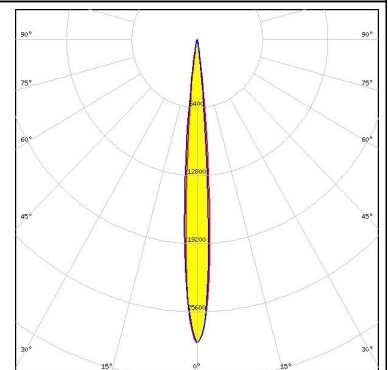
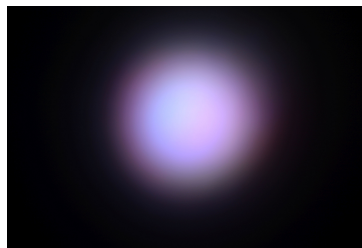
LED OSTAR Stage (S2WN)  
 FWHM 7.0°  
 Efficiency 94 %  
 Peak intensity 42.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



#### OSRAM

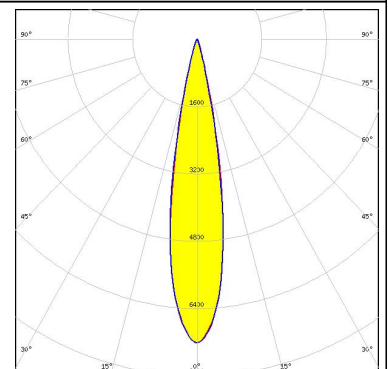
Opto Semiconductors

LED OSTAR Stage (S2WP)  
 FWHM 9.0°  
 Efficiency 94 %  
 Peak intensity 29.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



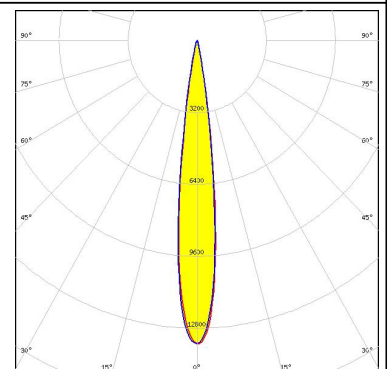
#### TRIDONIC

LED SLE G7 LES09  
 FWHM 20.0°  
 Efficiency 95 %  
 Peak intensity 7.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



#### XICATO

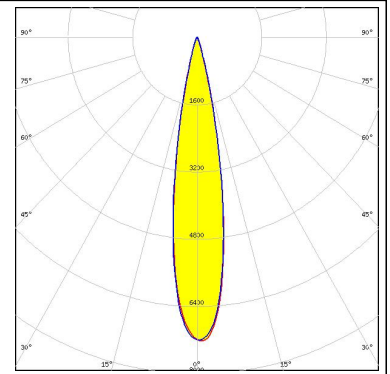
LED XOB 6 mm  
 FWHM 14.0°  
 Efficiency 93 %  
 Peak intensity 13.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



## PHOTOMETRIC DATA (MEASURED):

### XICATO

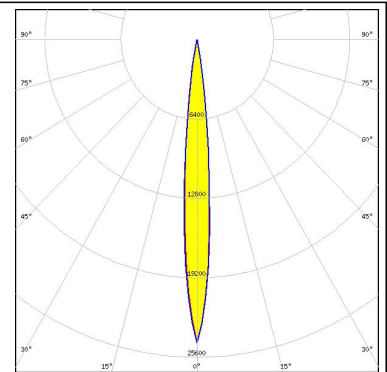
LED XOB 9.8 mm  
FWHM 19.0°  
Efficiency 94 %  
Peak intensity 7.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15255\_HEKLA-SOCKET-C



#### PHOTOMETRIC DATA (SIMULATED):

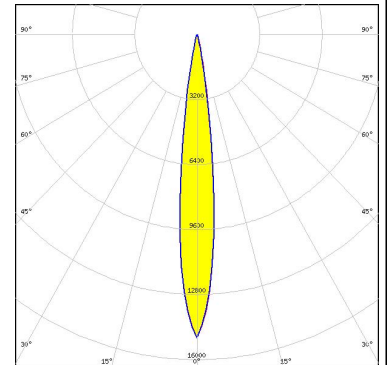
bridgelux.

LED V4 HD  
 FWHM 10.0°  
 Efficiency 95 %  
 Peak intensity 24.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 FP15490\_HEKLA-A



bridgelux.

LED V6 HD  
 FWHM 12.0°  
 Efficiency 94 %  
 Peak intensity 14.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

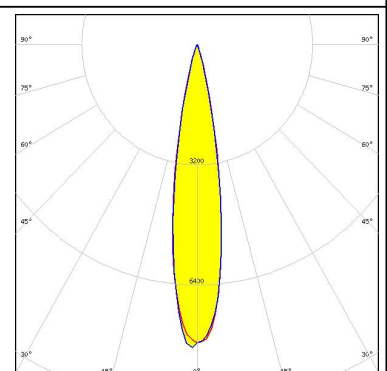


bridgelux.

LED Vero SE 10  
 FWHM 16.0°  
 Efficiency 94 %  
 Peak intensity 7.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

## CITIZEN

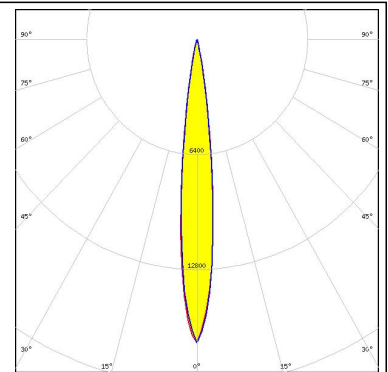
LED CLL02x/CLU02x (LES10)  
 FWHM 18.0°  
 Efficiency 93 %  
 Peak intensity 8.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 FP15501\_HEKLA-C



#### PHOTOMETRIC DATA (SIMULATED):

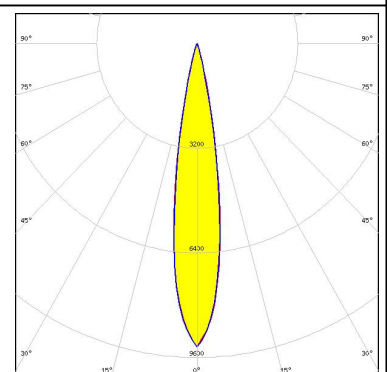
#### CITIZEN

LED CLU700/701/702  
FWHM 12.0°  
Efficiency 94 %  
Peak intensity 16.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
FP15501\_HEKLA-C



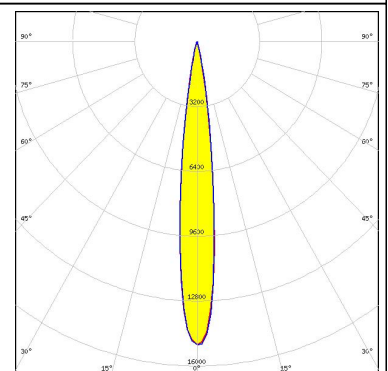
#### CITIZEN

LED CLU710/711  
FWHM 17.0°  
Efficiency 92 %  
Peak intensity 9.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
FP15949\_HEKLA-I



#### CREE

LED CXA/B 13xx  
FWHM 13.0°  
Efficiency 93 %  
Peak intensity 15 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
FP15957\_HEKLA-J



#### LUMILEDS

LED LUXEON CoB 1202s  
FWHM 12.0°  
Efficiency 95 %  
Peak intensity 15.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
F15858\_HEKLA-SOCKET-H



#### PHOTOMETRIC DATA (SIMULATED):

#### LUMILEDS

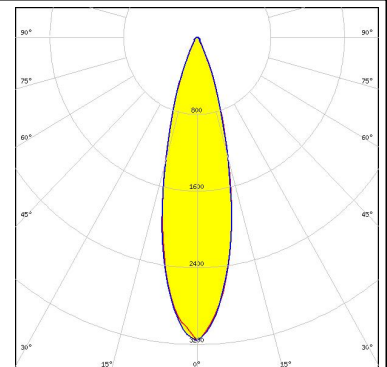
LED LUXEON CoB 1204/1205  
 FWHM 26.0°  
 Efficiency 94 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### LUMILEDS

LED LUXEON CoB 1208  
 FWHM 28.0°  
 Efficiency 91 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

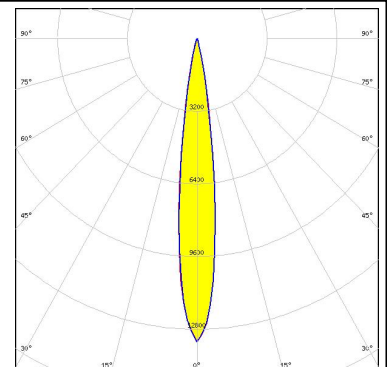
#### LUMILEDS

LED LUXEON CoB 1208  
 FWHM 27.0°  
 Efficiency 91 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



#### LUMINUS

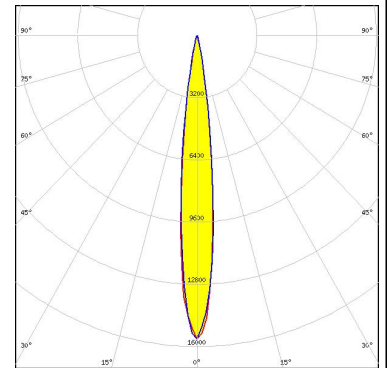
LED CxM-6 (13.5x13.5)  
 FWHM 14.0°  
 Efficiency 94 %  
 Peak intensity 13.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



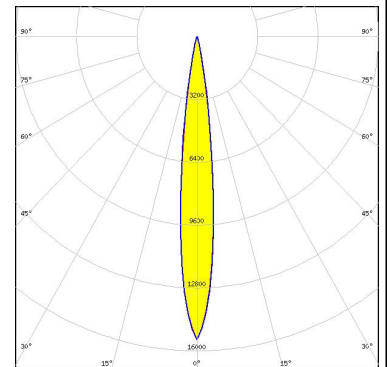
#### PHOTOMETRIC DATA (SIMULATED):



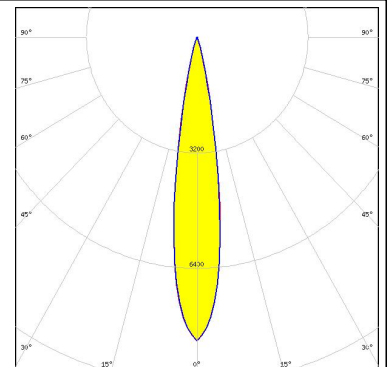
LED COB S-Type (LES 6)  
 FWHM 12.0°  
 Efficiency 93 %  
 Peak intensity 15.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



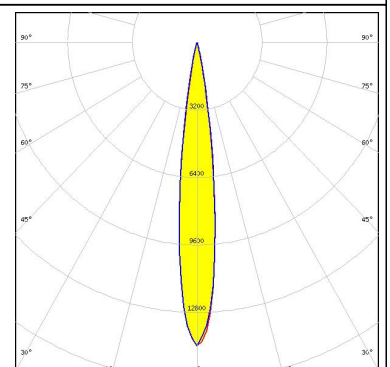
LED COB S-Type (LES 6)  
 FWHM 12.0°  
 Efficiency 93 %  
 Peak intensity 15.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



LED NFSWE11A  
 FWHM 18.0°  
 Efficiency 88 %  
 Peak intensity 8.4 cd/lm  
 LEDs/each optic 30  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K



LED LC010C  
 FWHM 14.0°  
 Efficiency 94 %  
 Peak intensity 14.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 FP15947\_HEKLA-G



### 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### 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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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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#### LEDiL Oy

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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  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

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

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