



OSRAM S3030 Quantum Dot Linear Modules

Power of OSRAM in standard and custom LED modules

Data Sheet

Version 1.0

Lean & Fast. Made Smarter.

High CRI efficacy - 178 lumens per watt at 90 CRI with the ability to achieve DLC certification

Flexible design - 22" length that can be seamlessly connected end-to-end

Color accurate - great color quality with Rf > 90, Rg > 100 and excellent color over angle uniformity

Easy to integrate - designed to Zhaga dimensions and screw hole specifications

Quick production - push terminals for quick and simple wiring

Primary Applications



Indoor lighting

-Office

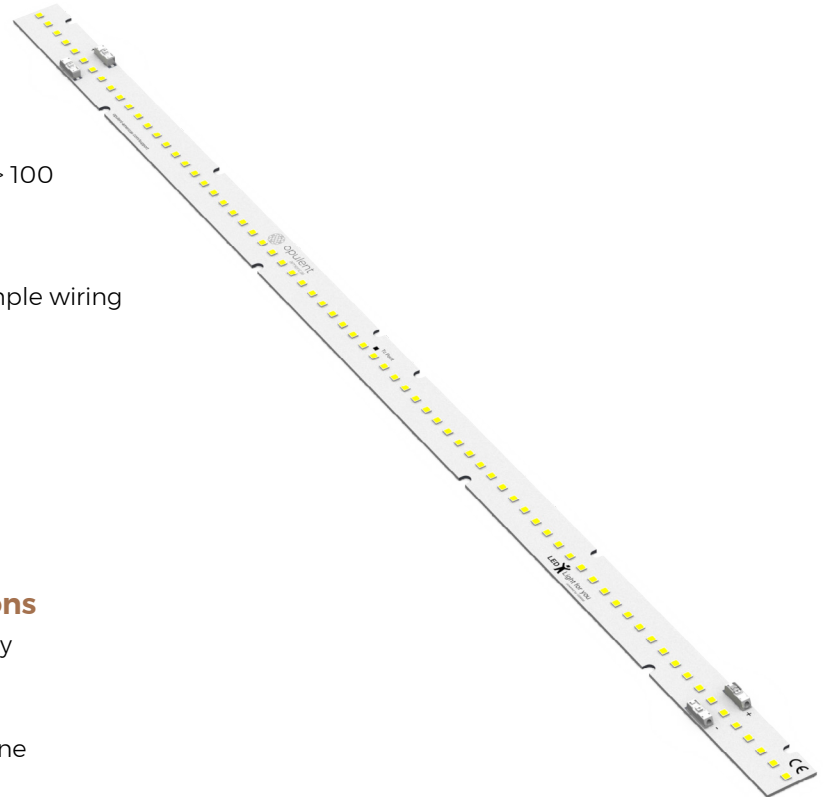
-Education

-Retail



-Hospitality

-Transportation



Superior Performance With Flexible Options

- Industry leading 90 CRI combined with high efficacy
- Private label or custom designs
- Adhesive tape can be added for rapid installation
- Pair with a standard driver for a complete light engine

Simplify Your Next Lighting Design

Introducing Opulent Americas OSRAM linear LED modules for indoor office, education and retail area lighting fixtures. The modules come in a 22" configuration that is ideal for panel or linear lights.

They are also flexible enough to support a range of specialty indoor applications. Designed to Zhaga standards, Opulent Americas' modules are easy to integrate into existing designs and can be quickly upgraded as LED performance improves.

Custom Solutions

Opulent Americas operates facilities globally with ISO certifications for the LED lighting, automotive and medical industries. Our North Carolina based office provides quick engineering & sales support with an R&D lab for prototype development and custom solutions. Our in-house global manufacturing capabilities allow for both building in the United States as well as overseas at scale.

About Opulent Americas

Opulent Americas accelerates the adoption of LED technology through simple, modular products and custom designs. Through 30 years of experience, state of the art manufacturing, full traceability and advanced quality controls, Opulent offers leading solid state lighting components, modules and custom solutions. Opulent customers get to market faster, with less resources, at lower costs. Visit opulent-americas.com for more information.

Linear LED Modules from Opulent Americas

Order Code Formatting

| Series | LED Count | LED Code | Color Temperature | Color Rendering Index | Internal Code |
|-----------------------------------------|--------------|-------------------------|-------------------|-----------------------|---------------|
| SSB1 - Standard Linear LED PCB Assembly | 72 - 72 LEDs | F16 - Osconiq S3030 LED | 27 - 2700K | 90 - 90 CRI | XX |
| | | | 30 - 3000K | | |
| | | | 35 - 3500K | | |
| | | | 40 - 4000K | | |

Electrical Characteristics

| Part Number | Forward Voltage (v) | | Typical LED Thermal Resistance Junction to Solder Point (K/W) RTh J-HS |
|--------------|---------------------|---------|------------------------------------------------------------------------|
| | Typical | Maximum | |
| SSB1-72F16-x | 33.0 | 35.4 | 8.4 |

Intended for connection to a class 2 power source with a maximum operating voltage of 50 Vdc

Maximum Ratings

| Part Number | DC Current (A) | Tsp Temp (°C) | Power (W) |
|--------------|----------------|---------------|-----------|
| SSB1-72F16-x | 1.08 | 105 | 38.2 |

Board Material Properties

| Property | Value | Unit |
|------------------|-------|------|
| Thickness | .059 | in |
| Construction | FR4 | - |
| Temperature | 130 | °C |
| Flame Rating | V-0 | - |
| Copper Thickness | 1 | oz |

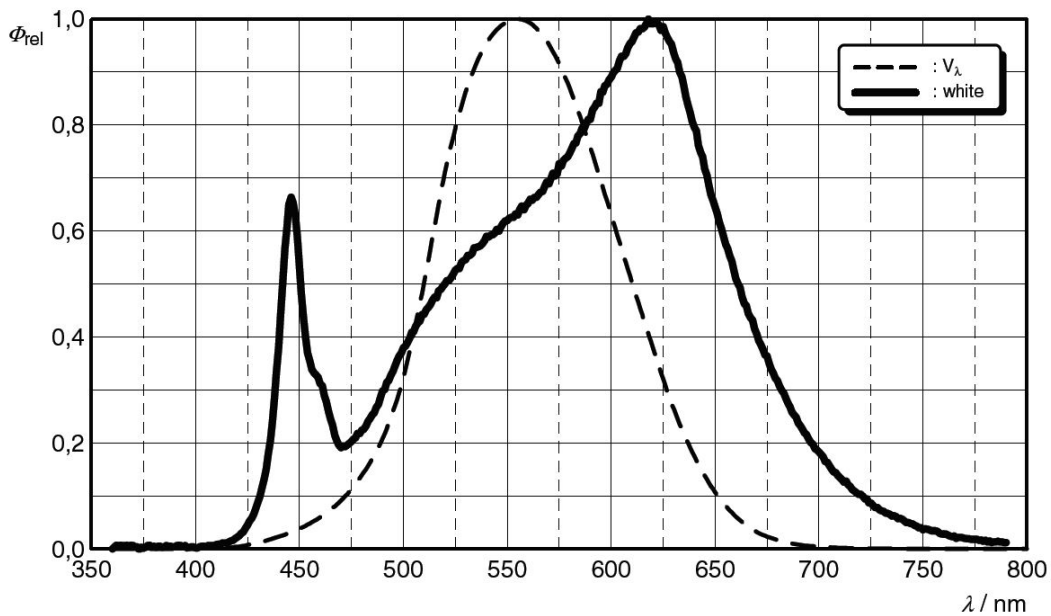
Linear LED Modules from Opulent Americas

Standard White Chromaticity Regions



Relative Spectral Emission

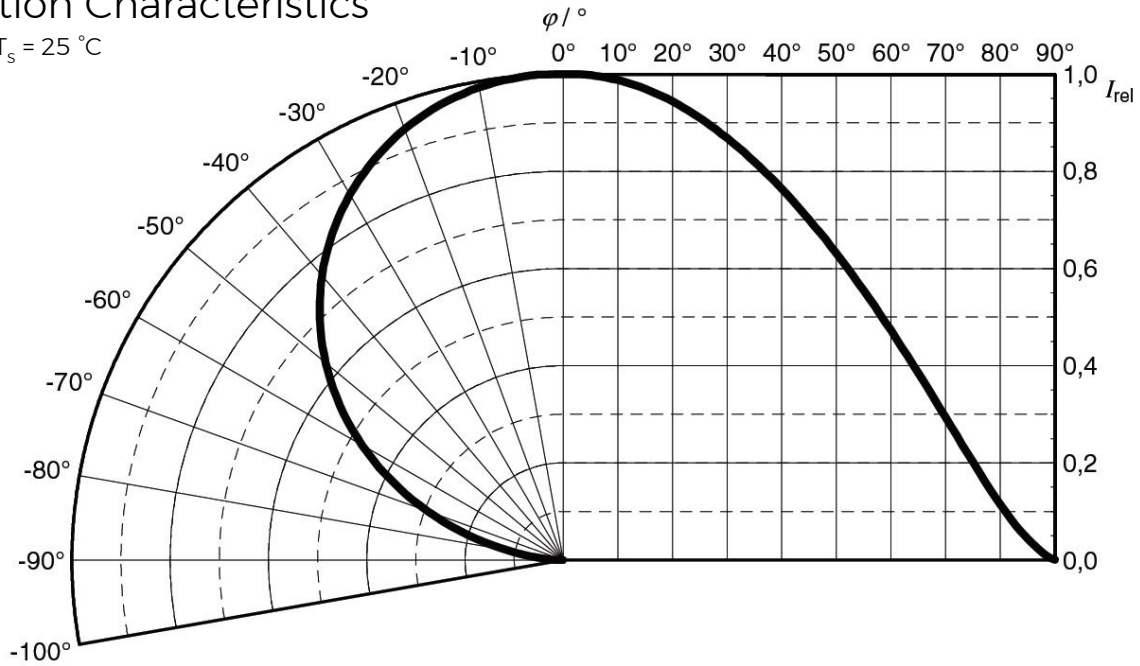
$\phi_{rel} = f(\lambda); T_s = 25^\circ\text{C}; I_F = 390\text{ mA}$



Linear LED Modules from Opulent Americas

Radiation Characteristics

$I_{rel} = f(\Phi); T_s = 25\text{ }^\circ\text{C}$



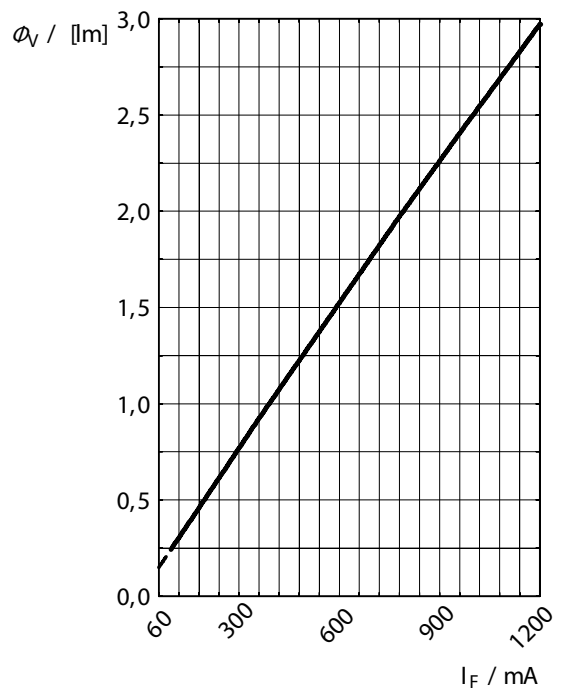
Forward Current

$I_F = f(V_F); T_s = 25\text{ }^\circ\text{C}$



Relative Luminous Flux

$\Phi_V / \Phi_V(390\text{ mA}) = f(I_F); T_s = 25\text{ }^\circ\text{C}$



Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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