

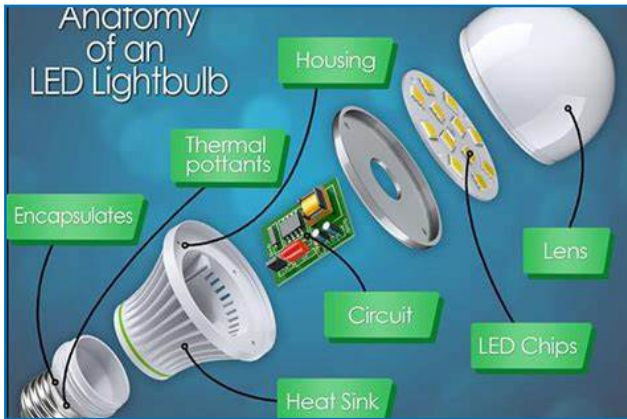


LED & Solid State Lighting

*Light is perception, generates inspiration
and intensifies emotion*



LED + Solid State Lighting & Alcom

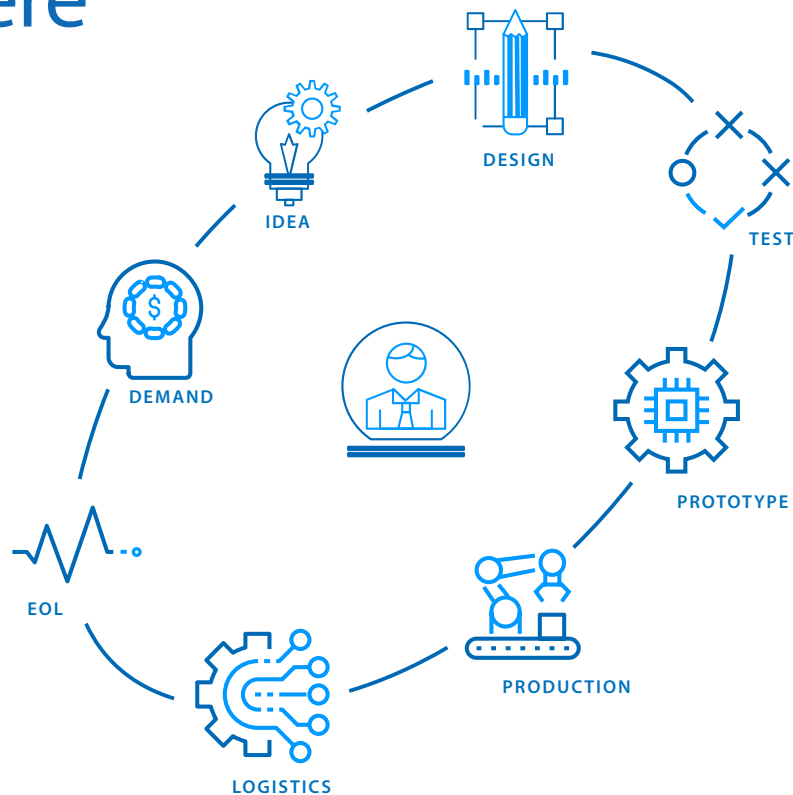


Your Guide and Partner for LED System Components

At Alcom Electronics, we specialize in delivering high-performance LED component lighting solutions. We enhance our top-tier products from industry-leading manufacturers with comprehensive application assistance, development tools, and design-in services. As a value-added partner, we collaborate closely with our customers' R&D engineers to select the ideal LED modules, drivers, housings, and accessories. Our manufacturer-certified technical resources, based in the Benelux region, ensure you receive expert guidance.

Let's co-create your next design and transform the way we perceive light.

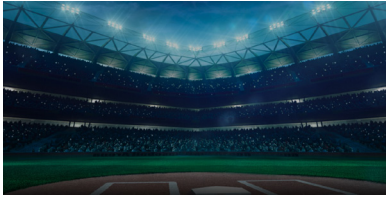
Co-creation starts here



Alcom considers everybody an indispensable added value in the collaborative chain with all of its partners.



Applications & Markets



SPORT & STADIUM



AIRPORT



INDUSTRIAL APPLICATIONS



ROAD & OUTDOOR LIGHTING



HORTICULTURE



LANDSCAPING & ARCHITECTURE



HOSPITALITY & RESTAURANT



RETAIL

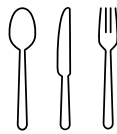


OFFICE

Where to find our solutions?



SHOP



HOSPITALITY



RESIDENTIAL



OUTDOOR



EDUCATION



MUSEUM



CIRCADIAN



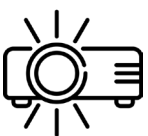
ULTRAVIOLET



STAGE



INFRARED



PROJECTION



HORTICULTURE



MEDICAL



INDUSTRIAL



AUTOMOTIVE

Product overview

Led light sources



- LED Chip-on-board (COB) Arrays
- Specialty LEDs including UV, IR, horticulture, industrial & automotive
- Specialty White and RGBW color LED
- LED Chips
- SMD, lamp & 7 segment displays
- LED modules & subsystems
- AC Ready Line CoB LED modules

Led strips



- Linear and square modules
- Strips for indoor/outdoor usage
- 12/24/48VDC & 230VAC LED strips
- Dot-free and COB LED strips
- Human centric, dim-to-warm and tuneable white LED strips
- RGB and RGBW LED strips
- Consumer & industrial vertical market-specific lighting LED strips
- Matching dimmable or non-dimmable CV drivers in different form factors with optional PIR sensors
- LED strip accessories

Led power drivers and controls



- Programmable LED power-constant current; constant power; constant voltage
- Standard and smart outdoor/indoor LED power drivers
- Power-to-light solutions
- DC powered LED drivers
- Light management by voice command
- Wireless and smart intelligent control & dimming
- Flush mount solutions

Led ecosystems support and solutions



- Light optics & platforms, reflectors & PMMA, PC and silicon lenses, films and filters
- LED heat sinks, thermal interface materials and other thermal solutions
- Holders, connectors and sockets
- LED lighting and display drivers ICs
- LED Backlight & RGB LED driver ICs
- Alu- and Cu-based PCBs
- LED power drivers & power-to-light solutions
- Smart driving controllers

Innovation & technology partners

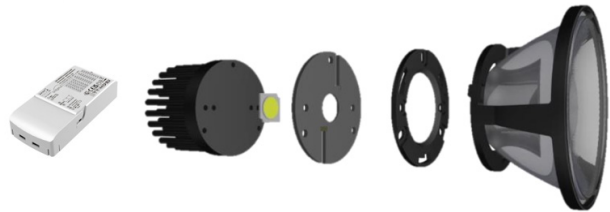
Complete LED System Components for Smart Lighting Solutions

At Alcom Electronics, we are experts in every product we offer, supporting our customers through the entire journey—**from the initial concept of a new luminaire to mass production**, including global logistics and shipping. We're with you at every step.

We assist in selecting the ideal **core LED components** from our extensive portfolio, representing the world's leading manufacturers. A truly optimized LED system requires perfect synergy between all components. Alcom Electronics provides everything you need, including **connectors, holders, optical solutions, PCBs, LED power solutions, thermal interface materials, heat sinks, IC drivers**, and every other critical component to ensure your design performs flawlessly.

In short, we help customers seamlessly transition from conventional lighting technologies to long-lasting, energy-efficient LED solutions. We position ourselves as your one-stop source for all key components, tailored for performance-driven markets such as:

- General lighting
- Retail and industrial lighting
- Outdoor and architectural applications
- Connected SSL and control systems
- Health and wellness lighting
- Horticulture lighting
- Automotive, consumer displays and entertainment lighting



"Driving Innovation in LED and Lighting Applications"



LED & Solid state lighting



Sign up for our **T4D LED & SSL newsletter**, featuring **quarterly updates** on cutting-edge LED and SSL components and services on our website **www.alcom.be/newsletters**.

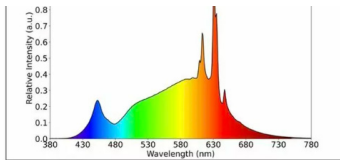
Each issue includes new product showcases, technology advancements, white papers, product comparisons, and relevant insights to help you elevate your next innovative lighting design.

KEY PARTNERS

New product releases

TRUE QUALITY OF LIGHT RGBW MEETS HIGH PERFORMANCE OPTICS

Many designers face the daunting task to find a high quality RGBW light source, a matching driver that can harness the flexibility of a RGBW drive source while not adding complexity and an optic that offer performance and colour mixing. All these solutions are now supported by Alcom.



Correlated Color Temperatures	CRI Minimum	CRI Typical	TM-30-18 (R900K)	*R9
2400K, 2700K, 3000K, 3500K, 4000K, 5000K, 6500K	>90	92	Rf=91, Rg=100	>50
2700K, 3000K	>95	97	Rf=94, Rg=102	>55
3500K, 4000K, 5000K				>75

*R9 values have a tolerance of +/- 3%

LUX COB LEDs FOR GENERAL AND DIRECTIONAL LIGHTING

Highest efficacy at typical >160lm/W, general lighting, directional source delivering high lumen efficacy from the largest selection of Light Emitting Surface (LES), operating power range, and color quality.

MID-POWER LEDs DELIVERING EFFICACY OF 233 LUMENS PER WATT AT 4000K

These new mid-power LEDs exceed the standards in outdoor and industrial lighting applications, offering incredible levels of performance and efficacy. These two new product families meet the stringent requirements of DLC Premium, ensuring top-tier energy efficiency and sustainability. With an impressive L90 rating of over 36,000 hours, this product promises long-lasting performance and reliability for years of worry-free operation, providing safety and excellent visibility to users.

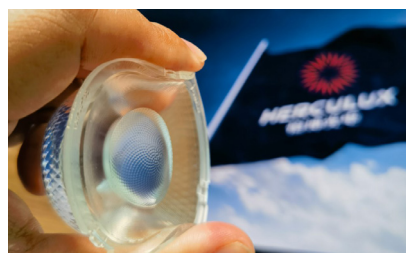


FIRST DIMMER DESIGNED FOR CONTROLLING PIXEL-TO-PIXEL LED STRIP LIGHTS

These two products combined allow you to control lighting effects easily, and create complex figures and cascading effects. The FORREST-SPI dimmer can be easily wired into back boxes in homes and offices, and supports an incoming power supply of 5/12/24V DC up to 15A.

ALL-IN-ONE LED DRIVER

Non-Isolated programmable driver (NFM) LED driver, designed specifically for lighting applications like sports arenas and high masts. Operating within a wide voltage range of 180-528Vac, this driver boasts advanced dimming features such as DALI-2, D4i compliance, and DMX-RDM dimming. Additionally, its robust over power and lightning protection ensure product reliability and longevity.



SILICONE LENSES FOR LED LIGHTING, TECHNOLOGICAL INNOVATION OR POINTLESS?

With the rapid development of LED chip technology, the power density of light sources continues to increase, presenting both more possibilities and challenges for the lighting industry. High power density light sources enable higher brightness and wider illumination range in lighting design, yet they also pose challenges in terms of heat dissipation, optical design, and safety.

Alcom product portfolio

ELECTRONIC COMPONENT SOLUTIONS	WIRELESS EMBEDDED CONNECTIVITY & SENSORS	WIRELESS & INDUSTRIAL CONTROLS NETWORKING	DISPLAY & TOUCH
LED & SOLID STATE LIGHTING	POWER & EMC	RUGGED MOBILE COMPUTING	EMBEDDED SYSTEMS, AI & EDGE COMPUTING

<ul style="list-style-type: none"> • Semiconductors • Frequency & timing • Power management • Circuit protection & discretes • Magnetics • Passives & electromechanical • Connectors & cable assemblies • Photonics 	<ul style="list-style-type: none"> • Wireless modules • Antenna's • Sensors
<ul style="list-style-type: none"> • Routers & gateways • Wireless embedded computers • Industrial ethernet and IP variations • Wired & wireless machine networking • Antenna's • Device to cloud solutions • Connectivity & remote management services • Networking & connectivity 	<ul style="list-style-type: none"> • Displays • Touch screens • Optical bonding • Total display solutions
<ul style="list-style-type: none"> • LED light sources • Optics • Thermal management • Power & intelligent controls • LED modules 	<ul style="list-style-type: none"> • AC/DC power supplies • DC/DC converters • Power management modules • Wireless charging • E-mobility solutions • Transformers & power inductors • UPS • EMC filters
<ul style="list-style-type: none"> • Tablets • PDA's • Vehicle mount computers • Accessories 	<ul style="list-style-type: none"> • Computer-on-modules • Embedded boards • Industrial PC & automation • System integration

Bridging the gap between technology, people and business with a human interface.





ALCOM BELGIUM

Alcom electronics nv/sa
Singel 3
2550 Kontich
Tel: +32 (0)3 458 30 33
Fax: +32 (0)3 458 31 26
Email: info@alcom.be
www.alcom.be

ALCOM THE NETHERLANDS

Alcom Electronics B.V.
Rivium 1e straat 52
2909 LE Capelle a/d IJssel
Tel: +31 (0)10 288 25 00
Fax: +31 (0)10 288 25 25
Email: info@alcom.nl
www.alcom.nl

Get to know us

ALCOM PROVIDES THE WORLD'S MOST ADVANCED TECHNOLOGIES.

With a team of like-minded entrepreneurs, Alcom will continue to inspire its valued customers to use advanced innovative building blocks in vertical markets. The importance of providing high-level services and a human interface based on specialism, knowledge and design-in expertise will remain key differentiators.

Alcom is positioned for growth. We invite all our customers to discuss their current and future concepts and designs. Let's connect, work and grow together.

