Significant changes in the lighting industry open up new business opportunities for **YOU**.

2017 Show theme

THINK**LIGHT**:
The convergent future

Guangzhou International Lighting Exhibition's "THINKLIGHT" concept will continue to grow at the 2017 edition, themed "The convergent future"

Shifts in the lighting industry have led to the convergence of distinct technologies, industries and devices. Born from these changes are new products and design ideas as well as increased connectivity. The 2017 show aims to facilitate industry convergence and help lighting businesses discover networking opportunities both within and outside of traditional industry realms.

Not only have technological advancements enhanced lighting functionality and efficiency, but they have also improved living comfort. Having moved beyond the scope of basic illumination, lighting now plays an integral role in human wellbeing.

The fair will put into perspective how lighting and its many applications influence our daily lives. As a trusted platform among industry experts worldwide, the show makes business opportunities, the latest technologies and design concepts available to the lighting community.

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Lighting and smart cities

LEDs usher cities into the future

Solid-state lighting (SSL) plays an integral role in the evolution of the IoT. LED lighting fixtures with sensors and data collection technologies are being incorporated into information networks and employing the data transmission capabilities of light waves to build the next generation of street lighting – a connected one.

The purpose of integrated control networks will far exceed the cost-saving objectives of basic lighting. Intelligent lighting networks can contribute to various smart city applications to improve safety, efficiency and the quality of life by establishing a platform for video surveillance, electric vehicle charging, public Wi-Fi and much more. Through such connected infrastructures, cities can begin to rethink the value of their assets as opportunities to provide new services to bring in more revenue, rather than as expenses to be incurred.

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Lighting and digital art

LEDs bring images and messages to life

Owing to the digital age and rapid development of LED technologies, digital art has become mainstream and taken on many versatile forms. Media façades, for example, have transformed architectural lighting and can serve purely artistic purposes or be used for exhibitions, buildings or indoors. Other digital lighting can even transform an entire city's skyline.

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Lighting and smart homes

Controls and connected technologies for flexible and energy-efficient home lighting

With a shift in focus from energy efficiency to smarter solutions, lighting controls and smart bulbs are gaining market popularity. The lighting market's tech advancements have transformed items such as LED lighting to smart bulbs that can connect to the Internet and even play music. Moreover, customisable smart controls and motion sensors enable users to turn on and off lighting in multiple rooms from within the home or remotely.

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Lighting and furniture

Illuminated furniture as a trending interior design concept

The possibilities of furnishing design to incorporate LED lighting are endless. Making use of energy-saving lamps and advanced LED technologies, illuminated furniture can combine light and colour to create attractive lighting options for both indoor and outdoor use.

Lighting furniture dually serves as a light source and decorative, yet functional accessory. It is no wonder that an increasing number of manufacturers are producing innovative designs that combine lighting and furniture.

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Lighting and wellness

Diversified applications improve living comfort

Residential lighting
Recognising that lighting can serve as a functional art piece in the home, designers, homeowners and home improvement experts are paying attention to:
- Geometric lighting
- Mid-century modern designs
- Customisable colour
- Oversized fixtures
- Warmer finishes

Hospitality lighting
In hospitality, creating the right mood and atmosphere can have powerful effects. To create a sense of comfort, dynamic lighting designers are looking at:
- Light sources for colour change and circadian rhythm matching
- Hybrid hospitality
- Simplistic designs
- Wellness lighting
- Connected lighting

Industrial lighting
The industrial lighting market has transitioned to networked lighting controls that incorporate embedded sensors and network communications for the advantages of:
- Power management
- Enhancing productivity
- Reliable performance
- Good colour rendering
- Improved safety conditions

Urban and architectural lighting
Energy costs, budget restrictions and awareness of the need for energy efficiency are rising. LEDs, smart controls and central management systems offer:
- Street lighting integration
- Reduced skyglow and wasted light
- Harmonised city lighting impressions
- Enriched quality of light
- Sustainability
- Accurate determination of cooling loads

Office lighting
The latest workplace lighting is zeroing in on what is most important – people. Areas of focus are:
- Shifting from T5 lamps to LEDs
- Task and personalised lighting
- Wellbeing and productivity
- Maximised use of daylight
- Layered lighting designs
- Optimised visual conditions

Retail lighting
In the retail space, lighting is trending towards low-level ambient options with higher contrast levels. Popular applications include:
- Customer-focused lighting
- Dynamic shop windows
- Comfort and mood lighting
- Energy efficient and sustainable

Transport lighting
Lighting in the transportation sector is often used for 24 hours a day and not changed for over five years. With modern technological developments, LEDs and smart controls can replace outdated, inefficient lighting to deliver serious energy savings. Benefits include:
- Maximised safety conditions
- Improved visual comfort
- Reliable performance
- Standardisation
- Easy maintenance
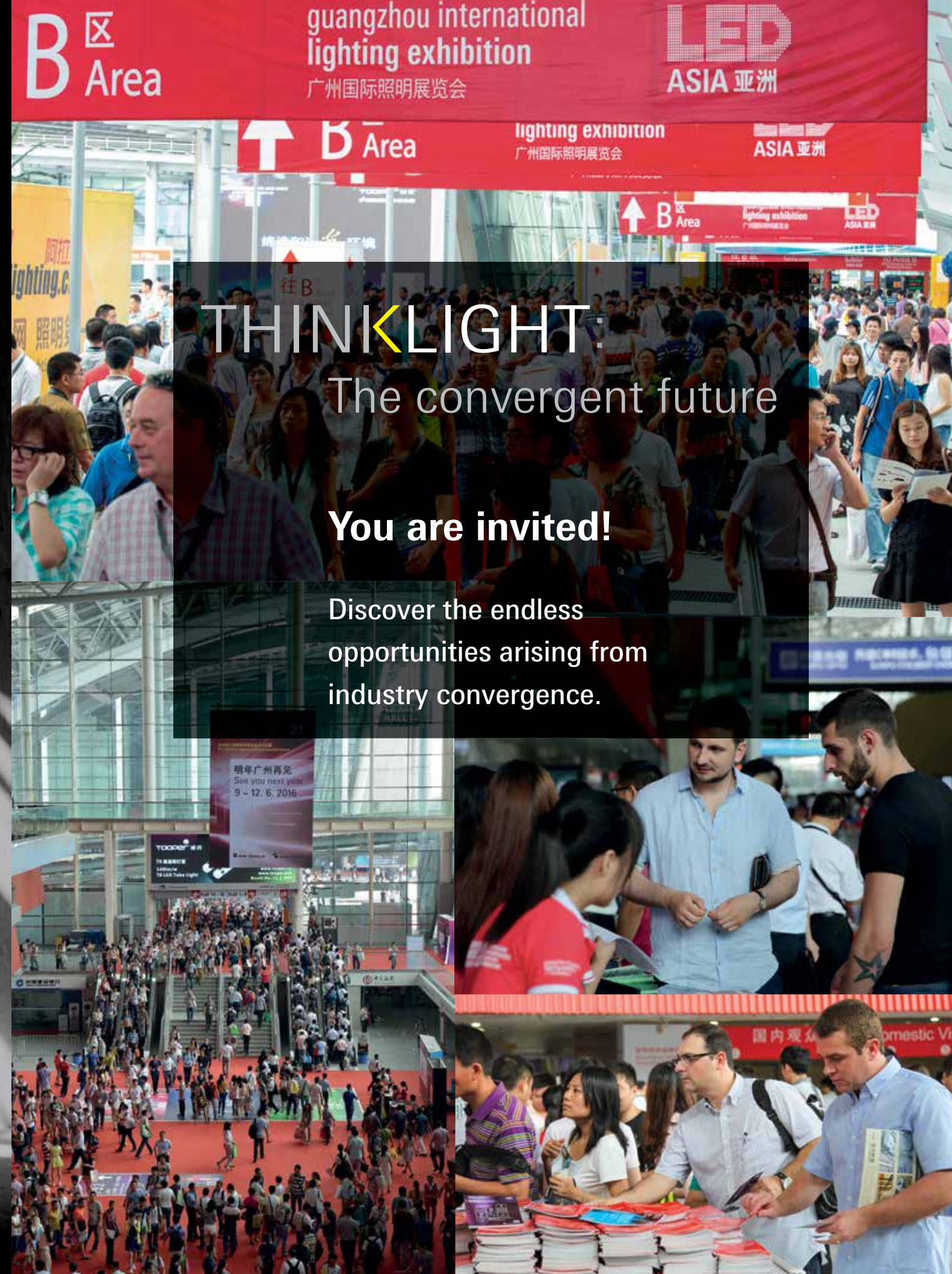- Soft tunnel transition zone illumination

Horticultural lighting
An explosive new LED trend is horticultural lighting. Revolutionising the farming industry, related technologies enable sustainable year-round cultivation of fruit, vegetables and flowers. Features include:
- Various spectrums
- Mixed LED types
- Tolerant of harsh greenhouse elements
- Adds consistency and uniformity

"The global LED lighting market value in 2016 will reach an estimated USD 34.64 billion, accounting for 31.3% of the total lighting market value."

Source: Digitimes Research (Mar 2016)

THINKLIGHT:
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You are invited!

Discover the endless opportunities arising from industry convergence.