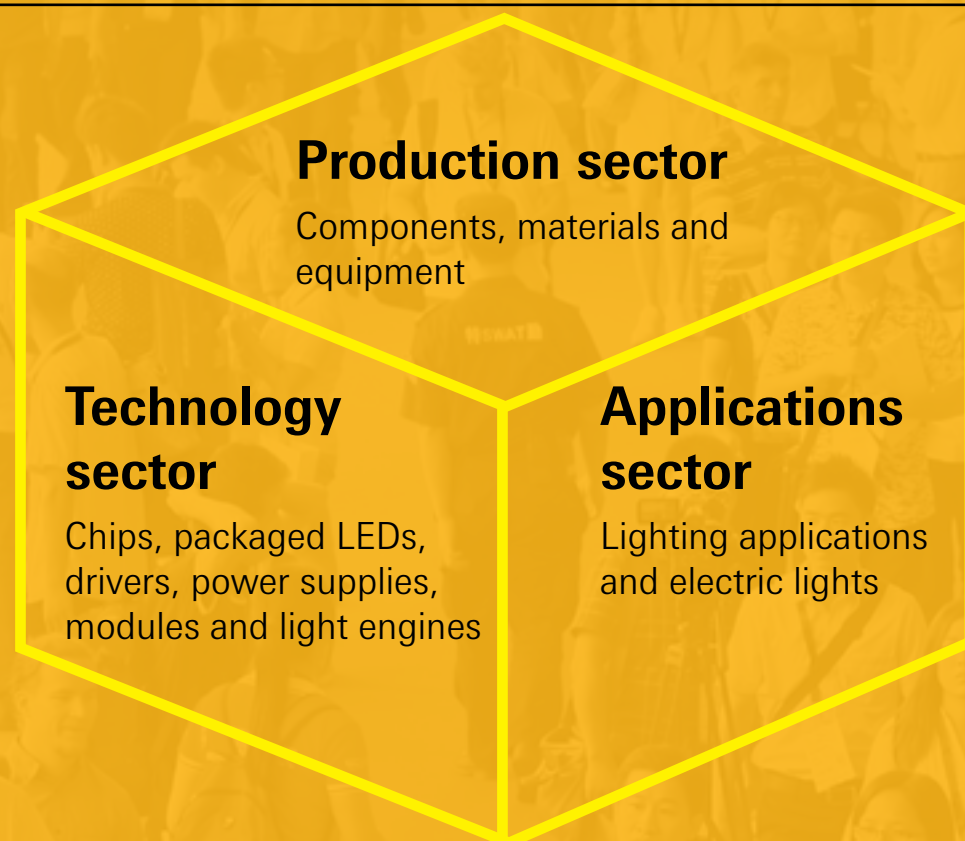


Effective partnerships

THINK integrally

Industry expansion • Cost effectiveness • New vertical markets

Cross-sector collaboration



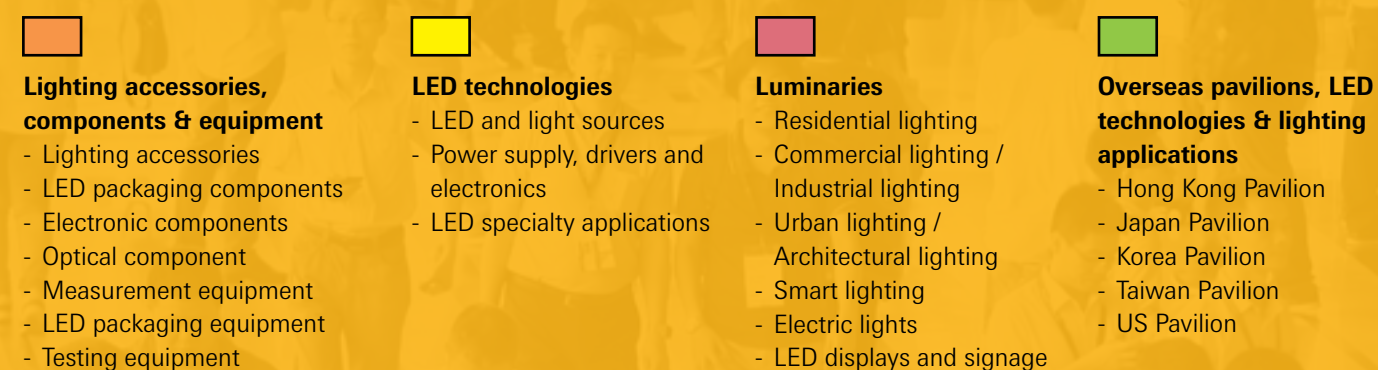
Connect with global industry organisations*



*List of show supporters in 2016.

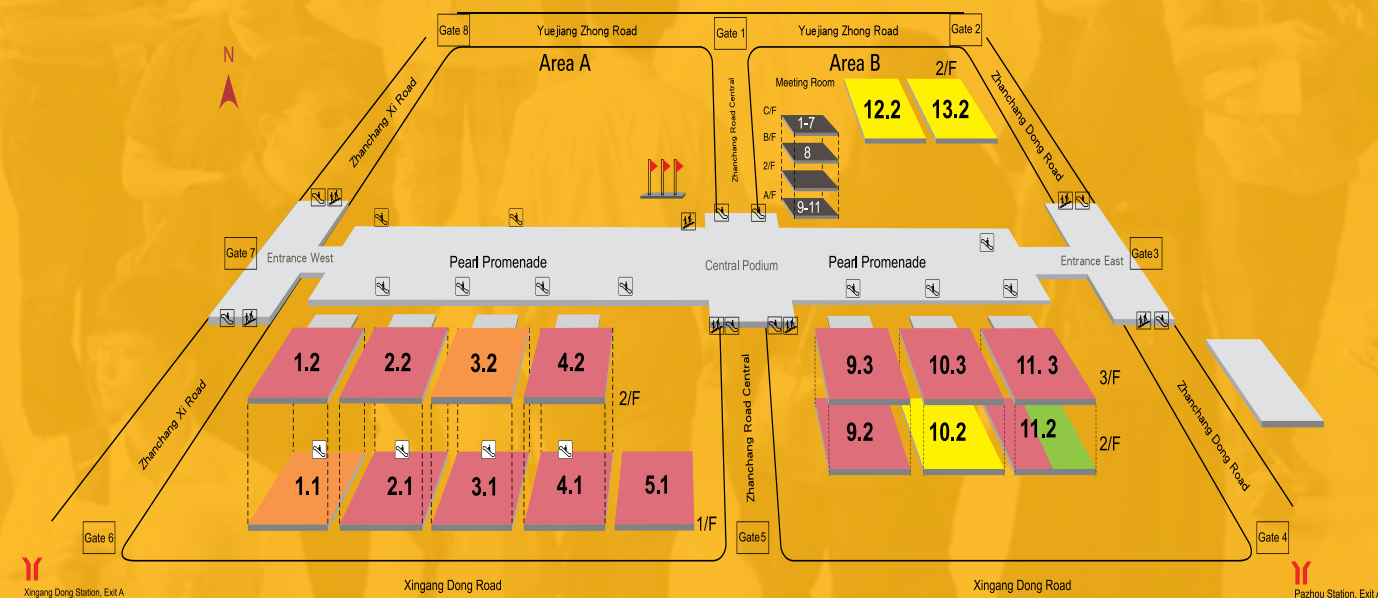
2017 Hall map

Form new business relationships through this one-stop platform for sourcing components, equipment, LED technologies, lighting applications and more.



Area A: Equipment & Components + Lighting Applications

Area B: LED Technologies + Lighting Applications



Cross-sector collaboration

Comprehensive coverage of production, technology and lighting sectors to facilitate industry collaboration.

Technology and production sector

LED components (Packaged LEDs)

As demand for improved LED chip features increase, various packaged LEDs become more common because they offer:

- C/P ratio optimisation
- Standardisation
- Compatibility with other products
- Increased colour consistency
- Improved efficiency



LED modules and light engines

To raise competitiveness in an intensified market, manufacturers have been working on:

- Low-cost light engines with higher C/P ratios
- End-user applications
- Advancing technology specifications so luminaries can be used in various lighting applications



Power supplies, drivers and electronics

Since drivers are often the first component of a lighting system to fail, some companies are replacing them with DC LED chips that require no driver. These drivers also make use of Power over Ethernet (PoE) technologies which allow data cables to transmit electricity. Some benefits of these emerging power technologies are:

- Brightness matching optimisation
- Higher efficiency and multiple output capabilities
- Low standby power
- Stability
- Increased appeal in space-constrained portable power applications



Components (Optical, thermal, mechanical and electrical)

Flat optics offer benefits over conventional optical components such as mirrors, lenses and gratings. These include:

- Light shaping diffusers
- Computer generated holograms
- Holographic optical elements
- Maximised optical performance
- Limited footprint



Applications sector

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



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



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



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



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



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

