Light is safety
Transportation + Infrastructure

Light is safety
Well-lit transportation areas create peace of mind

OSRAM understand the importance and necessity for functional, safe and efficient transport and infrastructure lighting

Light is OSRAM
Light is OSRAM

- **world lighting giant # 2**
  OSRAM among global companies in the lighting market

- **worldwide revenue**
  € 5,288.7 million
  with net income of € 33.6 million
  and revenue growth 11.4% in SSL technologies

- **remarkable technology breakthrough**
  OLED
  cutting edge flexible light source with endless possibilities

- **over 100 years of experience with light**
  General Illumination
  promoting sense of well-being and productivity by capitalising on the right light source

- **radiates in perfect harmony**
  Arts
  photometric measurement technology and custom luminaire construction

- **lights alleviates pain**
  Medical
  biologically effective light therapy program for medical centers

- **365 days innovation generation**
  luminaires + solutions
  professional, private, projects and services

- **award-winning symbiosis of form and function**
  SITECO
  designer luminaires for professional, private, projects and services solutions

- **over 5,000 installations worldwide**
  Traxon & e:cue
  Dynamic LED lighting solutions and innovative control systems for professional projects

- **more than 8,000 LED patents**
  lamps + components
  retrofit, ballasts, LED modules, drivers, controls

- **50% to 75% energy savings**
  ENCELUM
  lighting control and energy management systems

- **world # 1 supplier of automotive lamps for vehicles**
  Specialty Lighting
  automotive lighting and display optic solutions in projection, medical, airfield, microlithography

- **most trusted performance and design car lamps**
  Automotive
  optimised luminous efficacy and visual design in motion with light

- **a pioneer of lighting technologies**
  Opto Semiconductors
  future-proof components for general lighting, automotive, industrial, consumer electronics, medical applications

- **Equity Growth**
  11.3%
  € 2,169.3 million as of September 30, 2013
OSRAM Asia Pacific

- **Hong Kong**
  E osapac_glsalesaps@osram.com
  T +852 3652 5678

- **Taiwan**
  E osapac_glsalesaps@osram.com
  T +886 2 2513 1799

- **China**
  E csr_trade@crm-cn.osram.com
  T +86 21 5385 2848

- **Japan**
  E osapac_glsalesaps@osram.com
  T +81 45 323 5129

- **Korea**
  E webmaster@osram.co.kr
  T +82 2 554 4112

- **Australia**
  E sales.au@osram.com
  T +61 2 9481 8399

- **India**
  E info-india@osram.com
  T +91 124 238 3180

- **Thailand**
  E infooct@osram.com
  T +662 763 5755

- **Malaysia**
  E askosram@osram.com
  T +60 3 7959 0000

- **Singapore**
  E osapac_glsalesaps@osram.com
  T +65 6552 2110

- **Vietnam**
  E oapca_glsalesaps@osram.com
  T +84 8 3910 6625

- **Germany**
  E webmaster@osram.com
  T +49 89 6213 0

- **Korea**
  E webmaster@osram.co.kr
  T +82 2 554 4112

- **Australia**
  E sales.au@osram.com
  T +61 2 9481 8399

- **India**
  E info-india@osram.com
  T +91 124 238 3180

- **Thailand**
  E infooct@osram.com
  T +662 763 5755

- **Malaysia**
  E askosram@osram.com
  T +60 3 7959 0000

OSRAM has more than 8,000 patents for LED lighting technology.
What’s Inside

Transportation
6 Train Stations
8 Ferry Terminals
10 Bus Terminals
12 Undergrounds & Subways
14 Airports
16 | 17 Showcases
O’HARE AIRPORT Chicago, USA
LINZ AG Basel, Switzerland

Infrastructure
20 Airport Runways
22 Tunnels & Underpasses
24 Pedestrian Underpasses
26 Expressway Lighting
28 Outdoor Parking Lots
30 | 32 Showcases
RAILWAY BRIDGE Warsaw, Poland
OIL PORT BRIDGE Raunheim, Germany
STACHUS MUNICH Munich, Germany
OSLO RAILWAY TUNNEL Oslo, Norway
34 Innovation Spotlight | Daylight Lighting Systems
36 Product Index
# Lighting Applications at a Glance

<table>
<thead>
<tr>
<th>Transportation</th>
<th>Train Stations</th>
<th>Ferry Terminals</th>
<th>Bus Terminals</th>
<th>Undergrounds &amp; Subways</th>
<th>Airports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recessed ceiling luminaire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semi-recessed ceiling luminaire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surface-mounted ceiling luminaire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suspended luminaire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Infrastructure</th>
<th>Airport Runways</th>
<th>Tunnels &amp; Underpasses</th>
<th>Pedestrian Underpasses</th>
<th>Expressway Lighting</th>
<th>Outdoor Parking Lots</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recessed ceiling luminaire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semi-recessed ceiling luminaire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surface-mounted ceiling luminaire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surface-mounted wall luminaire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Transportation**
  - Train Stations
  - Ferry Terminals
  - Bus Terminals
  - Undergrounds & Subways
  - Airports

- **Infrastructure**
  - Airport Runways
  - Tunnels & Underpasses
  - Pedestrian Underpasses
  - Expressway Lighting
  - Outdoor Parking Lots
Wolfgang Dehen,
Chief Executive Officer (CEO)

“Our goal is clear — as an integrated lighting expert and a driver of innovation, we aim to expand our strong position as far as possible, true to the slogan “Light is OSRAM.” We cover the entire value chain for light and our work spans the entire spectrum. This involves much more than just lighting.”

We are now well positioned to do this. We have the technology and the expertise to selectively expand and diversify our portfolio so as to successfully market the right products and solutions. Over the past two years, we have restructured the company and systematically aligned it to reflect the shift to digital lighting.

Nevertheless, speed cannot come at the expense of the safety and reliability of our products and solutions. This is what the OSRAM brand stands for and what our customers expect from us — without any compromises.
The objective of public transportation area lighting is to provide a well lit environment which is conducive to the safe and comfortable movement of vehicular and pedestrian traffic at night and the discouragement of illegal acts. The lighting in these public areas must meet the highest standards for safety, quality, and design. OSRAM offers an extensive range of outdoor lighting solutions which are proven and tested to be suitable for such applications.
LED Luminares
LED luminaires are perfect for train stations due to their inherent flexibility and cost saving features.

PURSOS® High Power LED Flood Light
Reliable and durable LED flood lights for smooth, high brightness or ultra narrow illumination.

OLUX® LED Water-Proof
Stylish, impact resistant luminaire that is both dust and waterproof.

ROBLITZ® LED Highbay
Highly efficient and reliable LED solution with superb optics and flexible installation methods.

Train Stations

Safe and Efficient Lighting
Energy efficiency, low maintenance and optimal lighting coverage are the main lighting requirements for transient public areas such as train stations. With twenty 24 operation, longevity and maintenance are key factors in the lighting design process.
OSRAM LED modules are the ideal flexible lighting solution for train stations.

PrevaLED® Coin
24° or 40° beam angles allow flexibility. Easy and quick design-in.

HPML® G13B
A “plug and play” high 6,000 lumen device with easy integration in a modular platform.

To meet the needs of modern train stations, OSRAM offers an impressive range of conventional, energy efficient lamps.

HQI POWERSTAR
Highly efficient brilliant light with excellent price to performance ratio.

LED lamp as replacement of T8 fluorescent lamp for robust lighting tasks.

Traxon specialises in dynamic LED lighting solutions that enables customised illumination with high efficiency.

Traxon Media Tube
Slim profile with customisable pixel count enables precise installation for linear run or large-scale media screen.

Traxon Mesh
Sophisticated, scalable, semi-transparent LED system transforms any surface into large-scale media experience.
Ferry Terminals

Lighting for Harsh Conditions
Ferry terminals require specialised lighting suitable for diverse weather conditions due to their physical location. The fixtures, whether under cover or exposed, ideally should be weatherproof and dust proof, impact resistant and generally of a robust build. OSRAM offers specifically designed solutions for harsh conditions.

LED Luminaires
OSRAM has a wide series of rugged and water-resistant LED luminaires that are designed for harsh outdoor environments.

- **OLUX® LED Bulkhead**
  Safe and durable LED bulkhead fixtures that can be ceiling or wall mounted.

- **OLUX® Water-Proof**
  Reliable traditional water and dust-proof and impact-resistant luminaire with anti-UV cover.

- **PURSOS® High Power LED Flood Light**
  Reliable and durable LED flood lights for smooth and consistent illumination.

LED Modules
Small in size with a high lumen output is the reason to why OSRAM LED modules are the preferred choice for outdoor lighting.

- **HPML® G13B**
  A “plug and play” high 6,000 lumen device with easy integration in a modular platform.

- **LINEARlight POWER Flex Protect**
  A cuttable module made of high-performance silicon for long life and flexibility.

Lamps
OSRAM has a selection of purpose-made lamps that are ideal for lighting ferry terminals.

- **HQI POWERSTAR**
  Highly efficient brilliant light with excellent price to performance ratio.

- **LED SubstiTUBE T8 Lamps**
  LED lamp as replacement of T8 fluorescent lamp for robust lighting tasks.
Bus Terminals

Improving Safety in Public Areas
Energy efficiency, low maintenance and optimal lighting coverage are the main lighting requirements for transient public areas such as bus terminals. With 24 hour operation, longevity and maintenance are key factors in the lighting design process.

LED Luminaires
Bus terminals require luminaires that produce even light and glare-free illumination.

PURSOS® High Power LED Flood Light
Reliable and durable LED flood lights for smooth and consistent illumination.

ROBLITZ® LED Highbay
An extremely high efficiency and reliable LED solution with different optics and installations.
LED Modules
Bring safety to bus terminals with OSRAM’s energy-saving, efficient and well-designed light engines.

PrevaLED® Core DC
The smallest spot light engine available in market, to allow creative fixture design.

HPML® G13B
A “plug and play” high 6,000 lumen device with easy integration in a modular platform.

Lamps
OSRAM’s innovative lamps are the right choice for economical lighting solutions.

HQI POWERSTAR
Highly efficient brilliant light with excellent price to performance ratio.

LED SubstiTUBE T8 Lamps
LED lamp as replacement of T8 fluorescent lamp for robust lighting tasks.
Undergrounds & Subways

Seeing Clearly Underground
Whether for a retrofit or a new installation, OSRAM offers a comprehensive range of high quality lighting solutions suitable for subway lighting. Subway lighting is operational through a 24-hour period, making it important for fixtures to be robust, efficient and easy to maintain.

LED Luminaires
OSRAM produces energy efficient and reliable LED luminaires suitable for illuminating subways.

OLUX® Water-Proof
Protected against water, dust while designed with the concepts of flexibility, sustainability and maintainability.

OLUX® LED Water-Proof
Fully protected luminaire to give safe illumination.

Dynamic LED Lighting Solutions
Traxon dynamic LED lighting solutions offer customisable options and creative effects.

Traxon Nano Liner Allegro AC XB
High-output, ultra slim linear lighting system that reveals and illuminates key architectural features into focus.

Traxon Dot XL
Ultra-bright, fully-customisable system in 3, 6, or 9 LEDs per Dot for exterior creative media projects.

LED Modules
OSRAM LED modules are a flexible solution incorporating efficiency, energy-saving and glare-free lighting for subways.

PrevaLED® Coin
24° or 40° beam angles allow flexibility. Easy and quick design-in.

HPML® G13B
A “plug and play” high 6,000 lumen device with easy integration in a modular platform.

Lamps
OSRAM offers a comprehensive range of advance lamps.

LUMILUX® T8
Economy and reliable general lighting.

LED SubstitUBE T8 Lamps
LED lamp as replacement of T8 fluorescent lamp for robust lighting tasks.
Airports

Getting There Safely
Airports are required to be brightly illuminated spaces throughout a 24-hour period. OSRAM offers solutions for all areas including the airport perimeters, walkways, building entrance and parking stations. OSRAM can offer high quality illumination, which is energy efficient requiring low maintenance.

LED Luminaires
OSRAM LED luminaires are easy to install and ready for use immediately. The state-of-the-art technology ensures low power consumption, high efficiency with low thermal output.

LED Luminaires
- Roblitz® LED Highbay
  - An extremely high efficiency and reliable LED solution with different optics and installations.
- PURSOS® High Power LED Flood Light
  - Optics for area lighting.

Dynamic LED Lighting Solutions
Traxon specialises in dynamic LED lighting. Traxon offers exciting solutions with Dynamic LED lighting options which can be customised for special effects.

Traxon Cove Light AC HO
- Bright and efficient cove lighting system, perfect for wall washing, accent, and indirect lighting applications.

LED Modules
OSRAM LED modules are a suitable solution for airports due to their flexibility, superior performance and energy-saving features.

LED Modules
- PrevaLED® Coin
  - 24° or 40° beam angles allow flexibility. Easy and quick design-in.
- HPML® G13B
  - A “plug and play” high 6,000 lumen device with easy integration in a modular platform.

Lamps
OSRAM offers a wide range of conventional and LED energy-efficient lamps.

Lamps
- HCI POWERBALL
  - Efficient metal halide lamps with ceramic technology & optimised colour rendering.
- LED SubstiTUBE T8 Lamps
  - LED lamp as replacement of T8 fluorescent lamp for robust lighting tasks.
Showcase

O’Hare International Airport Terminal 5
Chicago, USA

One of the busiest airports in the world, O’Hare International Airport accommodates both domestic and international flights. In 2011, as part of an effort to update its international Terminal 5, Traxon & e:cue’s intelligent LED lighting and control components were installed in large bays over the airport’s automated inter-terminal Airport Transit System. Aimed upward at the angled, architecturally textured ceiling opposite large panes of glass, Traxon’s ultra-bright Wall Washer XB-36 RGBs produce an even, saturated wash. These powerful fixtures are paired with a Butler XT control engine, which is programmed to deliver static colour schemes for seasonal changes, holidays, and various special events, such as red, white, and blue for Independence Day, red and green for the winter holidays, etc. The control system is paired with a Glass Touch T12 for easy scene changes on the spot. With the assistance of the Butler XT’s clock, the installation is triggered to automatically power on at dusk and power down later in the evening.

Featured Products

- Traxon Butler XT2
- e:cue Glass Touch T12
Linz is the third-largest city of Austria and capital of the state of Upper Austria. The city’s transportation company, Linz AG, recently renovated its 4,500 square meter urban railway carriage house and changed the lighting to 270 Modario IP20 LED modules from OSRAM subsidiary Siteco to light the hall.

The highly efficient trunking system was easy to mount and helped save up to 30% on energy costs in comparison to the previous lighting installation. The replacement of the old mercury vapor lamps and CCGs was necessary for two reasons: The old lights were very dirty, used too much energy and no longer provided sufficient illumination. The new LED solution using Siteco’s Modario IP20 LED modules has definite advantages over other types of illumination — they have a longer service life, higher energy efficiency and can be integrated into a modern control system. All in all, the Siteco LED solution saves energy, provides reduced maintenance while providing twice the light intensity of the older lighting system.
The world is going through a period of unprecedented urbanisation. Over half the world’s population now lives in cities, a trend that is set to continue. This means that the demand for energy, natural resources and infrastructure is also rising. The more people who want to live, work, connect and socialize in safe, secure and attractive urban areas, the smarter and more efficient lighting design need to be, lighting the framework that supports an entire structure of development.
Airport Runways

The Approach is Clear
Elevated or inset, OSRAM supplies a complete range of runway lighting, including centerline, TDZ, runway edge and runway end lighting. OSRAM’s runway lighting products are constructed from durable alloys, which are tough, lightweight and easy to install.

Dynamic LED Lighting Solutions
Traxon dynamic LED lighting enables customised and creative illumination suitable for runways.

Traxon Dot XL
Ultra-bright, fully-customisable system in 3, 6, or 9 LEDs per Dot for exterior creative media projects.
LED Modules

The flexibility to be used as individual or linear lighting, LED modules are a suitable solution for runway lighting.

HPML® G13B

A “plug and play” high 6,000 lumen device with easy integration in a modular platform.
Tunnels & Underpasses

Lighting Underground Spaces
Effective tunnel and underpass lighting requires consistent light levels throughout the structure for safe passage. Tunnels and underpasses are highly corrosive environments requiring sealed and durable luminaires. Due to heavy traffic and fluctuations in weather and climate, tunnel fixtures are continually exposed to water, dirt, road salt, exhaust fumes, brake dust and other corrosive agents.

LED Luminaires
OSRAM’s robust outdoor LED fixtures are an ideal solution for illuminating the tunnels and underpasses.

OLUX® LED Bulkhead
The most versatile wall and ceiling light for public areas.

OLUX® Water-Proof
Protected against water, dust while designed with the concepts of flexibility, sustainability and maintainability.

LED Modules
OSRAM offers a wide range of LED modules that provide freedom and flexibility in designing decorative lighting solutions.

PrevaLED® Coin
24° or 40° beam angles allow flexibility. Easy and quick design-in.

HPML® 613B
A “plug and play” high 6,000 lumen device with easy integration in a modular platform.

Lamps
Efficient LED lamps are the perfect choice for lighting tunnels and underpasses.

LUMILUX® T8
Super long life up to 90,000 hours with minimal disturbance caused by relamping.

LED SubstiTUBE T8 Lamps
LED lamp as replacement of T8 fluorescent lamp for robust lighting tasks.
Pedestrian Underpasses

Feeling Safe and Secure
Pedestrian underpasses provide a safe and secure transit walkway system for patrons. These spaces need to feel open and safe providing high quality, bright and uniform illumination.

LED Luminaires
Long life, low maintenance and excellent colour rendering make LED lighting ideal for underpasses.

OLUX® LED Bulkhead
Safe and durable LED bulkhead fixtures that can be ceiling or wall mounted.

OLUX® Water-Proof
Reliable traditional water and dust-proof and impact-resistant luminaire with anti-UV cover.

OLUX® LED WALL-RECESSED S
An economical choice of shielded asymmetric LED solution for recessed wall mounting.
LED Modules
LED modules can lower the operating cost due to their energy-efficiency and long lifetime.

PrevaLED® Linear Value
Plug and Play, flexibility with no dark zone effect as appeared at the lamp ends.

HPML® G13B
A “plug and play” high 6,000 lumen device with easy integration in a modular platform.

Lamps
OSRAM has a wide range of quality lamps that are suitable for lighting underpasses.

LUMILUX® T8
Economical and reliable general lighting.

LED SubstiTUBE T8 Lamps
LED lamp as replacement of T8 fluorescent lamp for robust lighting tasks.
Expressway Lighting

Lighting the Way
As our roadway systems become more complex, lighting systems are increasingly challenged to facilitate the flow of traffic—especially on busy expressways—efficiently and effectively. Additionally, heavy usage patterns, corrosive laden environments and limited access necessitate expressway lighting systems that support quick but minimal maintenance.

LED Luminaires
LED luminaires are ideal for road lighting because of their low maintenance and low operating cost.

LED Modules
LED modules with their modular design allow the creation of individual or linear lighting effects.

Lamps
OSRAM produces a variety of high quality, energy-saving lamps.

HPMSL® G2
LED street lights of versatile modular designs.

PrevaLED® Coin
24° or 40° beam angles allow flexibility. Easy and quick design-in.

HPML® G13B
A “plug and play” high 6,000 lumen device with easy integration in a modular platform.

NAV
High Pressure Sodium lamps with high lumen efficacy and long lifetime.
Outdoor Parking Lots

Parking with Confidence
OSRAM provides comprehensive lighting solution for outdoor parking lots and structures that have impressive quality of light and energy efficiency with virtually no maintenance. OSRAM luminaires offer uniform light distribution and glare reduction, significant contributors to pedestrian and vehicular safety.

LED Luminaires
LED luminaires are ideal for outdoor parking with uniform illumination, low maintenance requirements and high lumen output.

HPMGL® G2
LED street lights of versatile modular designs.
LED Luminaires
LED modules are an efficient, cost saving and flexible alternative solution for carpark lighting systems.

PrevaLED® Coin
24° or 40° beam angles allow flexibility. Easy and quick design-in.

HPML® G13B
A “plug and play” high 6,000 lumen device with easy integration in a modular platform.

LED Luminaires
OSRAM offers a range of conventional lamps that are ideal for parking lot lighting.

HQI POWERSTAR
Highly efficient brilliant light with excellent price to performance ratio.

NAV
High Pressure Sodium lamps with high lumen efficacy and long lifetime.
Showcase

Railway Bridge
Warsaw, Poland

Constructed in the 1930’s, the railway bridge in Warsaw, located just meters from the National Stadium, was illuminated for the 2012 European Championship. To communicate national pride and highlight the unique structure, 320 Traxon Liner XB-9 RGB fixtures were installed along the entire length of the bridge. The compact yet powerful Liner XB combines high-intensity LEDs, multiple customisation options, and a bright light output.

Controlled via a Butler XT with internal real-time clock, the solution can be programmed to trigger specific lighting scenarios based on particular dates and times. Four separate schemes were created to distinguish between standard and special days. The bridge is bathed in red and white light on national days, in green, red, and white during Warsaw team games, and the system defaults to slow color fades on regular days. Traxon and e:cue were selected for their easily programmable and standalone features, which allow the installation to remain permanently and continue to highlight this important city landmark.

Featured Products

Traxon Liner XB
e:cue Butler XT2
Three German communities namely, Raunheim, Russelsheim and Kelsterbach were awarded with funding for the construction of the Oil Port Bridge. The bridge was designed for pedestrians and cyclists. It was selected out of 33 projects submitted for the “Baukultur in Hessen” contest. The State initiative featured a theme this year of “living with water” and projects were rated on the following criteria: cooperation, functionality, design, innovation, and sustainability. The bridge was welcomed by cyclists and pedestrians as it shortened the path across the river by several kilometers. The bridge also serves as a tourist destination, attracting visitors from near and far. The handrail of the nearly 170 meter bridge features 225 pieces of Traxon Monochrome Tube in cold white, which highlights the white colour of the bridge during evening hours. The slender fixture housing allows Monochrome Tube to fit into the smallest of spaces, and is durable enough for permanent exterior installation.
Showcase

Stachus Munich
Munich, Germany

“Stachus” is a large square in central Munich, southern Germany. The square was officially named “Karlsplatz” way back in 1797. In 2011, OSRAM’s subsidiary Opto Semiconductors was charged with updating the lighting to the newly redesigned station under the square using the company’s advanced LED lighting solutions. Today, the result is a station with safe, brilliant, energy-saving illumination that has extremely low maintenance requirements.

OSRAM Opto Semiconductors’ LEDs also saved space and, at the same time, provided high output with well-defined light-radiating characteristics. In the course of the eleven-month refurbishment project beneath the Stachus, a total of 65,000 LEDs, provided by OSRAM Opto Semiconductors, were installed into the LI-EX profile, which allows unmatched flexibility. The distances between the LEDs are freely adjustable and allow the lights to fit even the most demanding lighting applications. The innovative LED lighting had a dramatic and pleasing effect on the station’s façade and interior. Today, visitors to the Stachus station reap the benefit of an efficient lighting solution that merges style and safety with function.

Featured Product
Golden Dragon Plus
Oslo Railway Tunnel
Oslo, Norway

In July 2011, a 3.65 km railway tunnel in Oslo was shut down for maintenance work and upgrading. The lighting system was also overhauled to make it more efficient, resilient and with lower-maintenance. Along the entire stretch of the tunnel special LED luminaires were installed – equipped with innovative high-power LED modules and electronic control gear from OSRAM.

The 3,650 meter tunnel runs through Oslo and is used by 900 trains every 24 hours. As such, the tunnel needs frequent inspections and maintenance work. It is extremely important to have bright, efficient, reliable low-maintenance lighting. Other luminaires were integrated in special handrails on both sides of the tunnel – a highly practical and space-saving solution. The necessary luminous intensity, efficiency and durability of the luminaires are provided by a total of 6,800 innovative high-power DRAGONtape LED modules operated by 1,700 OPTOTRONIC OT9 ECGs – all from OSRAM’s pioneering lighting and LED portfolio.
Innovation Spotlight

Siteco Daylight Systems
Bring Sunshine Indoors

OSRAM’s subsidiary Siteco makes daylight lighting systems that use the physical laws of reflection, absorption and refraction to illuminate rooms perfectly and also to avoid excessive warmth. Energy consumption for artificial lighting and air conditioning is also reduced.

Daylight systems from Siteco

— Low glare and outstanding colour rendering.
— Enables view of the outside.
— Helps to save energy.
— Can be designed and fitted to any building.
— Long-life quality with low maintenance, or are maintenance-free.
Greater comfort and less energy consumption

Siteco offers four different systems for solar and glare protection.

Moveable Prism System

The transparent acrylic plates provide sun protection for façade and glass roofs. The system reflects solar radiation and allows diffused light to pass into the interior. The prismatic plates track the position of the sun using microprocessors motor technology.

Stationary Prism System

The transparent prismatic plates are individually cut and fitted within double-gazing. This ensures solar protection for glass roofs and allows a high transmission factor for diffused daylight. The stationary prism system can also be used for controlled light guidance in the room.

Micro Sun Shielding Louvre

The rectangular plastic louvre is coated with ultra-pure aluminium and are installed in double glazing units. These units are optimised for slightly inclined roof construction. Its lateral and longitudinal lamellae within the glazing prevent the transmission of direct sunlight but allow diffused light into the building.

CombiSol

The hexagonally formed plastic specular louvre with ultra-pure aluminium combines high quality solar protection and reliable protection from glare. It features two layers and creates a soft, glare-free light.

The Siteco Product offer in Australia is distributed through Gerard Lighting Group. Please find below contact details. Telephone: +61 8 8122 2300 Email: administration@gerardlighting.com.au
## Overview by product name

### Suggested Applications*

<table>
<thead>
<tr>
<th>Product Reference</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCI POWERBALL</td>
<td>14</td>
</tr>
<tr>
<td>HPML® G13B</td>
<td>7, 8, 11, 13, 14, 21, 22, 25, 27, 29</td>
</tr>
<tr>
<td>HPML® 82</td>
<td>21</td>
</tr>
<tr>
<td>HPML® POWERSTAR</td>
<td>7, 8, 11, 29</td>
</tr>
<tr>
<td>LED Substitube T8 Lamps</td>
<td>7, 8, 11, 13, 14, 22, 26</td>
</tr>
<tr>
<td>LINEARight POWER Flex Protect</td>
<td>8</td>
</tr>
<tr>
<td>LUMILUX® T8</td>
<td>13, 22</td>
</tr>
<tr>
<td>NAV</td>
<td>27</td>
</tr>
<tr>
<td>OLUX® LED Bulkhead</td>
<td>6, 22, 24</td>
</tr>
<tr>
<td>OLUX® LED Wall Proof</td>
<td>6, 13</td>
</tr>
<tr>
<td>OLUX® LED WALL-RECESSED 6</td>
<td>24</td>
</tr>
<tr>
<td>OLUX® Water Proof</td>
<td>6, 13, 22, 24</td>
</tr>
<tr>
<td>PrevaLED® Core DC</td>
<td>11</td>
</tr>
<tr>
<td>PrevaLED® Linear Value</td>
<td>24</td>
</tr>
<tr>
<td>PURISIDE High Power LED Flood Light</td>
<td>6, 8, 10, 14</td>
</tr>
<tr>
<td>ROBLITZ2® LED HighBay</td>
<td>6, 10, 14</td>
</tr>
<tr>
<td>Traxon Cove Light AC HO</td>
<td>14</td>
</tr>
<tr>
<td>Traxon Dot XL</td>
<td>7</td>
</tr>
<tr>
<td>Traxon Mesh</td>
<td>7</td>
</tr>
<tr>
<td>Traxon Media Tube</td>
<td>7</td>
</tr>
<tr>
<td>Traxon Nano Liner Allegro AC X8</td>
<td>12</td>
</tr>
</tbody>
</table>

*Products not limited to state applications

---

youtube.com/user/osram  
twitter.com/osramCOM  
facebook.com/osram  
linkedin.com/company/osram