SWARCO FUTURIT, global leader in the development and production of LED-based traffic signals and variable message signs, successfully transfers its several decades of experience also to the field of LED street lighting. Presenting its LED-based street light named LUNIA, SWARCO FUTURIT has developed a novel luminaire combining attractive design with innovative technology.

**DESIGN MEETS TECHNOLOGY**

The LUNIA LED street light integrates technology, design and function in a single product. Simple and quick installation, a system efficiency of minimum 100 lm/W, and the use of highly efficient LEDs are characteristic of this outdoor lighting product. LUNIA makes best use of the unique qualities inherent in LEDs in order to produce efficient high quality illumination results. Lowest power consumption, no use of harmful components, best light quality and color stability, and a typical performance life of 100,000 hours make LUNIA your first choice in LED street lighting. LUNIA combines technical and functional aspects with top design and optimally integrates itself into any cityscape.

**LUNIA - LED STREET LIGHTING**

CLASSIC DESIGN MEETS HIGHEST FUNCTIONALITY

SWARCO FUTURIT, Verkehrssignalsysteme GesmbH

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**TECHNICAL DETAILS**

<table>
<thead>
<tr>
<th>Housing</th>
<th>AlSi12-LM6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>various RAL colors</td>
</tr>
<tr>
<td>CCT / CRI</td>
<td>4000 K / CRI75, 5500 K / CRI85, 5700 K / CRI75</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-40° to +50°C</td>
</tr>
<tr>
<td>Operating voltage</td>
<td>230 VAC 50Hz +/-10%</td>
</tr>
<tr>
<td>Ingress</td>
<td>IP66 (EN 60598)</td>
</tr>
<tr>
<td>Protection class</td>
<td>SK II (EN 60598)</td>
</tr>
<tr>
<td>Impact resistance</td>
<td>IK08 (EN 50102 / EN 62262)</td>
</tr>
<tr>
<td>Mounting options</td>
<td>pole top or lateral</td>
</tr>
<tr>
<td>Weight</td>
<td>pole lateral: 9.5 kg, pole top: 9.8 kg</td>
</tr>
</tbody>
</table>

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**YOUR LOCAL PARTNER:**

SWARCO FUTURIT

SWARCO FUTURIT is the leading global player in LED-based signaling technology. The company specializes in traffic lights, variable message signs, street lighting and railway signals. All systems use the latest developments in energy-saving long-life LED technology.

Customers in over 60 countries trust in SWARCO FUTURIT’s outstanding quality ‘Made in Austria’ and best suited to improve traffic flows and enhance road safety.
LUNIA

Key Benefits

- up to 80% energy savings compared to existing lighting installations
- various dimming options
- innovative multi-layer lighting technology avoids dark spots on the road
- various light distribution options (normal width, wide angle, for wet road surfaces, and especially for the most demanding light intensity class) allow a variety of uses
- optimized thermal management ensures least possible LED degradation
- no soiling of inner parts and reduced maintenance costs thanks to sealed LED unit
- simple and quick installation
- failure of a single LED does neither lead to complete module failure nor dark spots on the road
- no run up period
- dark sky friendliness
- high quality materials: cast aluminum LM6, stainless steel, and safety glass cover
- high color rendering for enhanced security
- inclination adjustable by +/-3°
- luminous color options: 4000 K, 3000 K, 5700 K
- intelligent luminous flux adjustment up to 100,000 h
- no stepping up of LED current, constant system performance over 50,000 h at constant luminous flux
- optimal light distribution due to a combined lens-reflector system
- use of highly efficient, branded LEDs of more than 160 lm/W
- luminous flux packages adaptable to the individual use case

DESIGN & NAME

The LUNIA luminaire was designed by C.F. Møller Architects based in Aarhus/Denmark. C.F. Møller is one of Scandinavia’s oldest and largest architectural practices. Their award-winning work involves a wide range of expertise that covers all architectural services, landscape architecture, product design, change management, space planning, and consultancy.

Simplicity, clarity and unpretentiousness are the ideals that have guided the team’s work since the practice was established in 1924. And these features are continually re-interpreted to suit individual projects, always site-specific and based on international trends and regional characteristics.

Nomen est Omen

LUNIA can easily be recognized by its individual, unostentatious shape. Its timeless design perfectly fits into any cityscape and thus addresses also large, international markets.

By its sound characteristics, the brand name LUNIA communicates the smooth, rounded design of the luminaire. On the one hand, its shape and name reminds one of the moon (fr.: lune; it.: luna), on the other hand, the brand name reflects the luminaire’s functions of illumination and longevity.

APPLICATION

LUNIA is an LED-based street light appropriate for the use as technical street light in line with EN 13201 and as luminaire for residential areas, complying with highest demands in terms of esthetics and design. LUNIA is a premium product, among others made of high quality materials such as AS12-LM6 aluminum alloy for highest seawater resistance.

Moreover this street light in its highest light intensity class G6 (acc. to EN 13201) complies with the toughest criteria to avoid physiological glare. LUNIA is available with luminous flux packages of up to 6,000 lm and therefore usable for pole heights of up to 8 m. Standard luminous colors are 4000 K, 3000 K or 5700 K. A standard on board is the constant luminous flux adjustment for up to 100,000 h of operation as well as an intelligent LED driver for SMART LIGHTING applications.