Light and WiFi in public areas

BEGA WiFi light building elements are luminous and structure-forming components for public areas. These luminous design elements are needed for example in pedestrian zones or in public places in inner-city areas. These are the places where publicly accessible WiFi is in demand and almost taken for granted today. We have designed and developed the new BEGA WiFi light building elements specially for these requirements – bringing light and WiFi together in one place. BEGA WiFi light building elements are the perfect installation locations for the necessary technology.

The required planning and start-up service is provided by our telecommunications system partner “The Cloud Networks Germany GmbH” based in Munich, which has established and positioned itself as No. 1 and independent European market leader for public WiFi. “The Cloud” offers a comprehensive service package, and optionally the required VDSL connection to operate the system.

BEGA WiFi light building elements are available either with symmetrical or asymmetrical flat beam light distribution. In addition, it is possible to choose an integral LED floodlight to illuminate architectural details in the immediate vicinity of the luminaires.

### BEGA WiFi light building elements

<table>
<thead>
<tr>
<th>Symmetrical light distribution</th>
<th>LED 58.6 W · 6170 lm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asymmetrical flat beam light distribution</td>
<td>LED 58.6 W · 6110 lm</td>
</tr>
<tr>
<td>Floodlights</td>
<td>LED 13.7 W · 1080 lm · Half beam angle $\beta = 14^\circ$</td>
</tr>
</tbody>
</table>

**LED colour temperature**
- 4000 K – Article number K4
- 3000 K – Article number + K3

**Dimmability**
- 1-10 V

**EEC**
- A++

**Protection class**
- IP 65

**Material**
- Cast aluminium, aluminium and stainless steel
- Synthetic cylinder, clear
- Reflector made of pure anodised aluminium
- Door and connection box 70 647
- Including anchorage unit

**Luminaire colour**
- Graphite – Article number 84122
- Silver – Article number + A

### “The Cloud” service package

- Provision of a Ruckus 7782e outdoor WiFi module/access point
- Connection variants: fibre, PoE, mesh, incl. switch and an integral high-performance aerial unit
- Operating licence for each access point incl. controller in “The Cloud” data centre
- Planning and start-up service
- Precise and simple high speed WiFi use in accordance with statutory provisions
- Worldwide availability as well as worldwide maintenance and support service
- Low acquisition costs by renting the hardware and thanks to the “The Cloud Service Package”
- Landing page can be customised
- Optionally individualised additional services – for example User tracking, pay systems

**WiFi module - Ruckus 7782e**
- Support for simultaneous dual band (5 GHz / 2.4 GHz)
- Up to 6 dB signal amplification /15 dB interference mitigation
- Power over Ethernet (PoE) according to the 802.3 af / at standard
- User throughput 900 Mbit / s (450 Mbit / s / frequency)
- Access portal and guest accounts
- Up to 500 clients (connected WLAN devices)
In order to operate the system, “The Cloud” optionally offers a provider-independent VDSL connection.

Depending on the situation, this service may not be necessary – for example wherever a DSL connection is available. Otherwise, individual project solutions can be worked out.

We shall be pleased to analyse the situation on site and to plan the system with the components actually required.
**Countries with “The Cloud” public WiFi as well as maintenance and support service**

### Africa
- Egypt
- South Africa

### Asia
- China
- Dubai
- Hong Kong
- India
- Japan
- Jordan
- Kazakhstan
- Lebanon
- Malaysia
- Philippines
- Singapore
- South Korea
- Taiwan
- Thailand

### Australia and Oceania
- Australia
- New Zealand

### North America
- Antigua and Barbuda
- Bahamas
- Barbados
- Belize
- Bermuda
- Canada
- Cayman Islands
- Costa Rica
- Cuba

### South America
- Anguilla
- Argentina
- Aruba
- Bolivia
- Brazil
- Chile
- Colombia
- Curacao
- Ecuador

### Falkland Islands
- French Guiana
- Guyana
- Paraguay
- Peru
- Suriname
- Uruguay
- Venezuela

### Europe
- Albania
- Andorra
- Austria
- Belgium
- Bosnia and Herzegovina
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Faroe Islands
- Finland
- France
- Germany
- Gibraltar
- Greece
- Guernsey
- Hungary
- Iceland
- Ireland
- Isle of Man
- Italy
- Jersey
- Kosovo
- Latvia
- Liechtenstein
- Lithuania

- Luxembourg
- Macedonia
- Malta
- Moldova
- Monaco
- Montenegro
- Netherlands
- Norway
- Poland
- Portugal
- Romania
- Russia
- San Marino
- Serbia
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- Turkey
- Ukraine
- United Kingdom
- Vatican City

*additional countries upon request*