

**BEGA**



WiFi light building elements



## 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

Symmetrical light distribution	LED 52 W · 6279lm
Asymmetrical flat beam light distribution	LED 52 W · 6279lm
Floodlights	LED 13 W · 1115lm · Half beam angle $\beta = 14^\circ$
	Minimum LED service life 50 000 hours, depending on the ambient temperature; these values may be significantly higher. 20 years' availability guarantee for the LED modules
LED colour temperature	3000 K – Article number + <b>K3</b> 4000 K – Article number + <b>K4</b>
Dimmability	DALI controllable
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  Silver – Article number + <b>A</b>

<b>84122</b>	Symmetrical
<b>84129</b>	Symmetrical · 1 floodlight
<b>84128</b>	Asymmetrical flat beam
<b>84130</b>	Asymmetrical flat beam · 1 floodlight

### “The Cloud” service package

- Provision of a Ruckus 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

- 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)

### The Cloud service package

symmetrical or asymmetrical flat beam light distribution

Aerial unit

WiFi module Ruckus

Optionally with adjustable LED floodlight

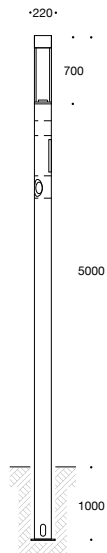
#### VDSL connection optional

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.

VDSL connection





Countries with "The Cloud" public WiFi as well as maintenance and support service \*

## Africa

Egypt  
South Africa

## Asia

China  
Dubai  
Hong Kong  
India  
Israel  
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

Dominica  
Dominican Republic  
El Salvador  
Grenada  
Greenland  
Guadeloupe  
Guatemala  
Haiti  
Honduras  
Jamaica  
Martinique  
Mexico  
Montserrat  
Nicaragua  
Panama  
Puerto Rico  
Saint Barthélemy  
Saint Martin  
Saint Pierre and Miquelon  
Sint Maarten  
St. Kitts and Nevis  
St. Lucia  
St. Vincent and the Grenadines  
Trinidad and Tobago  
Turks and Caicos Islands  
USA  
Virgin Islands (American)  
Virgin Islands (British)

## South America

Anguilla  
Argentina  
Aruba  
Bolivia  
Brazil  
Chile  
Colombia  
Curaçao  
Ecuador

Falkland Islands  
French Guiana  
Guyana  
Paraguay  
Peru  
Suriname  
Uruguay  
Venezuela

## Europe

Albania  
Andorra  
Austria  
Belarus  
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

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