



SHOWING THE WAY

“Gobal” Signal Head

System

“Global” is a system the components of which facilitate rapid and low-cost installation of traffic light systems by simple combination. Modern design, adequate structure, robust construction, ease of installation and maintenance as well as high cost-effectiveness speak for “Global”.

Proven Technology

Worldwide, in the most diverse climatic conditions the “Global” system has found favor and in doing so proved in particular to be robust and to have a long service life.

Signalbau Huber is constantly adapting the features of “Global” to the increasing requirements of today’s traffic and signaling technology. Despite all the improvements “Global” remains compatible with already installed systems.

Construction

The “Global” signal head is available in lens diameters 200 mm (“Global” 200) and 300 mm (“Global” 300). Its modular design means that up to 5 (“Global” 200) or 4 (“Global” 300) chambers can be linked together. “Global” 200 and “Global” 300 cases can be combined in one signal head.

The signal head complies with the requirements of the following standards: DIN EN 12368, DIN VDE 0832, DIN VDE 0100 and RiLSA. Its impermeability conforms to degree of protection IP 55 as per DIN EN 60529. “Global” can be used in a temperature range of -25°C to +55°C (class B).

“Global” also meets environmental requirements: the high-quality impact-resistant UV-stabilized and weather-resistant plastic (polycarbonate) is of course recyclable.

Case Versions

Part	Material	Color
Case	Polycarbonate	grey (RAL 7032)
		green (RAL 6009)
Front cover	Polycarbonate	black (RAL 9005)
		green (RAL 6009)
Hood	Polycarbonate	black (RAL 9005)
		green (RAL 6009)
Brackets	Aluminium / polycarbonate	grey (RAL 7032)
		green (RAL 6009)

The cases have been prepared for the fitting of LED units.

Fittings

“Global” from Signalbau Huber is suitable for fixing to all types of mast and for both vertical and horizontal installation.

Standard Accessories

To adapt the design square front panels (“Global” 200) as well as special hoods (“Global” 300) are available as accessories.

The use of backing boards can improve the visibility of traffic lights considerably, especially against a light background. For “Global” backing boards for one-, two- and three-aspect signal heads are available, for “Global” 200 and “Global” 300 each (in plastic, conforming to RiLSA) and also for combination signal heads (in aluminium).



Lamp Technology

The conventional filament lamp optics of the “Global” system have many times proved of value. The luminous intensity distribution complies with EN 12368 (class A / B). The signal head is alternatively available with colored plastic spread lenses (polycarbonate) in cobweb pattern (B-lens), or wide-beam lens (BS-lens).

The reflectors of refined aluminium have been electrolytically polished to a mirror finish. Symbols have been applied to the lenses by means of a special coating; this process also enables special characters to be produced (alternatively symbol templates are available for standard symbols). For the reduction of phantom light a newly-designed anti-phantom lamella insert is available which can also be retrofitted.

Optic Versions



Cobweb lens (B-lens)



Cobweb lens (B-lens) with lamella



Wide-beam lens (BS-lens)

Lamp Versions

Version	Socket	“Global” 200	“Global” 300
10 V ^{1) 2)}	Ba20s	20 W 30 W	30 W
40 V ¹⁾	Ba20d	25 W 40 W	40 W 60 W
230 V	E27	40 W 60 W 75 W	75 W 100 W

¹⁾ Alternatively double filaments possible, at 10 V with Ba20d socket instead of Ba20s socket

²⁾ 10 V can also be supplied in halogen version

Average Lamp Durability

Version	Average durability
10 V	8,800 hrs (14,000 hrs for halogen version)
40 V	8,000 hrs
230 V	15,000 hrs

LED Technology

The future of signaling technology are sophisticated LED optics. Modern LED technology contributes to more safety and efficiency in road traffic.

The following features represent reasons for the use of “Global” LED insertion modules:

- High profitability due to 50% less energy consumption compared to conventional signal lamps
- A much longer service life than filament lamps (service life > 8 years), therefore a significant increase in availability and reduction in maintenance costs
- Very good visibility (also from the side and when sun is setting) through constant luminance and high light intensity
- Optimal phantom light reduction through the use of spectral light in conjunction with a colored spread lens optimized for phantom light problems as well as through the waiving of reflectors
- Disabling-signal surveillance according to DIN VDE 0832 ensured by means of integrated electronics surveillance (also available for amber)

The “Global” series LED insertion modules are complete and ready for installation. They replace transformer, wiring, reflector, lamp holder, light source, spread lens and symbol mask of conventional optics. Therefore, quick and easy adaptation of existing “Global” systems is possible.

“Global” LED insertion modules are available in the operating voltages 230 V or alternatively 40 V-OCIT.



Signalbau Huber Company Profile

For more than 50 years, Signalbau Huber has been operating in the field of traffic control and traffic guidance. We develop and implement innovative traffic management systems based on the long-time know-how of experienced and highly qualified employees. Our diversified product range enables us to provide the optimal solution for every traffic-technological requirement.

Signalbau Huber is operating internationally and is represented in many countries.

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