

***//The new OPAL Lightbars:  
Simply out of the ordinary !***





***/// Innovative Design and Intelligent interior  
That's technological Progress!***



OPAL is optically and acoustically remarkable. Our new lightbars have a higher sound level and shine more than other systems.

Mounting is easier and very quickly done.

**In-built Components?**

No Chance! All of them can be integrated into the lightbar. Not only can you reduce costs and time with this width variable system, thanks to the 30% weight reduced construction, the advantageous cd-value allows you to save fuel.

***Standard Safety and Know-How***

The heightend domes allow faster and easier recognition of the vehicle in traffic..

OPAL is extremely safe. Due to the fact that sharp metal components, which can penetrate through the vehicle roof, have been eliminated. The light, electronic and acoustic components are embedded into special formed foam covers.

With OPAL lightbars, your vehicles are optimally equipped and can be employed by the police, fire-brigades, rescue services, Public safety services and for industrial application.

## **//OPAL: Everything for Everyone**

It doesn't matter whether you use it for trucks or for ordinary cars, OPAL is always the right choice. With widths of 900mm up to 2,000mm, OPAL is suitable for all types of vehicles.

Due to the significantly heightend domes, new surface structures and state-of-the-art glass optics, the light-bars integrate the design of new vehicles harmoniously.

### **Basic or Luxury Version - whatever you need!**

Each application is different, and because of this OPAL is as individual as the application requirements. Flexibility is our standard!

Fit your OPAL system according to your requirements. Starting from the basic version with single rotating mirrors, loudspeakers and a white central part, we also have a luxury version which includes double rotating mirrors, Mini-TriOptic, 3-glass lens optics or Xenon Flashers.

Additionally LED Beacons, LED-Displays, LED-Blinker, front and rear searchlights and/or also alley lights in the lower dome areas.

An additional tube beacon and/or Info Signal Unit (ISG) can also be mounted.

All in all an ingenious toolbox with which you can tailor according to your requirements.

Our versatile Options are suited to (almost) any application.

What more could you wish for!



**A System that pays off:  
All advantages at a glance**

// High safety level due to advanced warning technology. The OPAL has more sound pressure level and is brighter than other systems.

// Better safety in crash situations! All components are embedded into specially formed foam covers.

// High brand recognition and advertency due to heightened domes - also in stand-by mode.

// Better visibility due to 7 additional optional light systems.

// Easy and quick mounting on all vehicle roofs.

// Exact radii and precisely crafted edges. This state-of-the-art design is suitable for every type of vehicle.

// Low weight and advantageous cd-value saves fuel.

// Options allow you to tailor your individual OPAL system suitable for your requirements.



# ***Safe, Flexible, and built to your requirements!***

All important technical features and functions are listed on the right hand page.

For more information and an individual quotation, just send us a list of your requirements.

You can call us or write an email. The quotation for your OPAL system will be sent immediately.



## ***Some of our impressive control panels. You just can't beat them!***



Model BT-210



Model BT-121

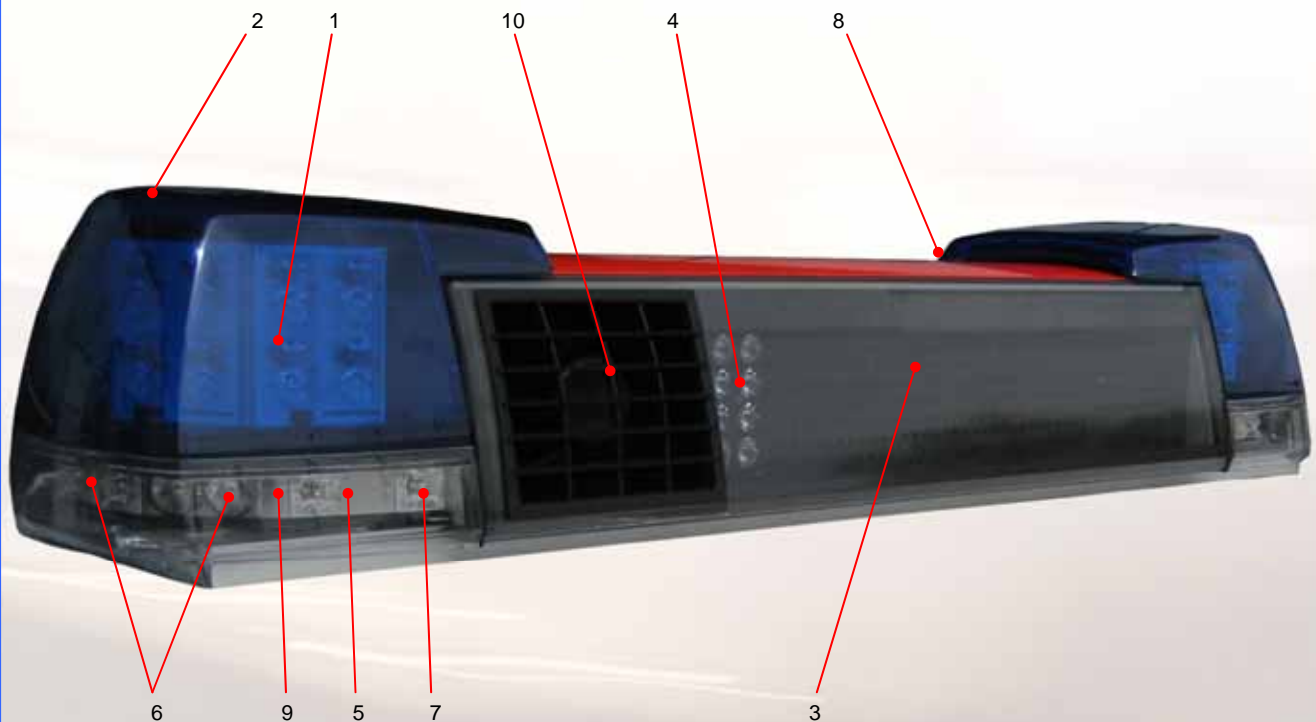


Model K-BT 110



Model BT-200

## II Overview of all datas and facts



- Width-variable: from 950 up to 2000 mm. in 50 mm steps
- vehicle optimized due to standard or individual mounting sets
- Power-Supply 12V DC or 24V DC
- All standard EU- and US-Signals
- Different Light-Systems: (1)
  - Single-Rotating-Mirror Beacon
  - Double-Rotating-Mirror Beacon
  - 3-Glasles-Optic
  - Mini-TriOptic
  - Xenon-Double-Flasher
  - LED-Beacon
- Dome colour: blue, amber, red, green, clear
- Additional components:
  - solid state Text with/without background light (3)
  - LED-Matrix-Display, front- and/or rear side (3)
  - LED-High-Power-Frontflasher in front (4)
  - LED-Searchlight, front- and/or rear side (5)
  - LED-Searchlight, sideward's (45°/90°) (6)
  - LED-Blinker in amber, front and/or rear side (7)
  - LED-Command light green (9)
  - Additional LED-Flasher front side (10)
  - Tube-Mounted Beacon or Searchlight (8)
  - Information-Signal-Unit (ISG)

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## Wegbeschreibung

Sie fahren von der A 3, Abfahrt Nr. 8 „Dinslaken-Nord“, die Berger- und Gärtnerstraße in Richtung Dinslaken ca. 2,5 km bis zur ersten Ampel.

Sie überqueren die Ziegelstraße und fahren in die Hanielstraße ca. 600 m bis zur zweiten Ampel. Biegen Sie nach links in die Hünxer Straße ein und fahren nach ca. 30 m rechts auf das Werksgelände bzw. auf den Parkplatz vor dem Verwaltungsgebäude.

## Route description

Leaving the A 3 at exit No. 8 „Dinslaken-Nord“ you drive down „Bergerstraße“ and „Gärtnerstraße“ towards Dinslaken approx. 2,5 km to the first traffic lights. You cross „Ziegelstraße“ and drive approx. 600 meters into „Hanielstraße“ to the second traffic lights. Here you turn left into „Hünxer Straße“ and after approx. 30 meters you turn right onto the premises and / or the car park in front of the administration building.

