



## Technical data **ULTIMA RGB**

<b>Technology</b>	SMD-LED
<b>LED colour</b>	<b>full colour:</b> 4096 colours available <b>coloured route number:</b> amber or white text part available
<b>Viewing angle</b>	120°
<b>Resolutions</b>	height: 19 lines width: up to 160 columns (Exact resolutions available on request)
<b>Operating voltage</b>	12 VDC or 24 VDC (9 - 36 VDC)
<b>Brightness</b>	max. 3500 cd/m <sup>2</sup>
<b>Operating temperature</b>	-40 °C to +70 °C
<b>Lifetime</b>	approx. 100,000 hours (depending on temperature and current)
<b>Interfaces</b>	<b>direct:</b> RS485, optional Ethernet <b>via control unit:</b> IBIS, Ethernet, RS232
<b>Editing software</b>	MIE (MobilInfoEdit)
<b>Data and firmware update</b>	<b>manually</b> via control unit from USB flash memory <b>automatically</b> via IP/Ethernet Interface (wireless and FTP service optionally available)
<b>Standards and directives</b>	<b>EMC</b> ECE-R10, Rev. 04 (EMC-Bus)  <b>Flammability</b> Directive 95/28/EC Regulation ECE-R118

Available as full colour display or with coloured route number and amber or white destination text.

### Functionality on colour part:

- Outline text, text shadow
- Text on Bitmap background image
- Full text scrolling capabilities

**Energy efficient:** greatly reduced power consumption thanks to highly efficient LEDs and intelligent power management.

**Ultra light:** up to 50% weight reduction compared to existing signs.

**Ultra slim:** flexible installation options thanks to the highly compact design.

**Low life cycle cost (LCC) and green focus:** reduced fuel consumption, reduced operating costs and smaller carbon footprint.

**State-of-the-art electrical design:** SMD-LEDs with optional diagnostics system.