

**Hella NaviLED® M is a range of surface mount LED signal lamps, designed specifically to provide all-round visibility.**

The NaviLED® M signal lamps are targeted for use on mining production equipment where coloured signal lamps are required to provide operational status and identification information.

As a new feature all NaviLED® M LED signal lamps now offer a single flashing signal light in addition to the standard 'steady on' signal light function. The additional flashing function provides optimum warning efficiency and renders the lamp suitable for use as a fault indication device. The preferred signal function is selected by simply reversing the wiring polarity.

The highly ergonomic and user-friendly design ensures that the NaviLED® M has no sharp edges or protruding fasteners when installed. Hella engineered NaviLED® M lamps to ensure a very long service life and no lighting loss due to internal dirt build-up; they are also very well suited to wet and corrosive environments and tolerate short-term immersion.

Excellent durability of the housing and active LED electronics of Hella Mining products, as well as long term impact, chemical and UV damage resistance in the highly corrosive and abrasive

mining environment is ensured through extensive testing and selection of high quality materials.

Advanced Multivolt drive circuitry pioneered by Hella which provides reverse polarity, spike and over-voltage protection for long life and reliable operation of the LED, is sealed into the base. NaviLED® M lamps deliver consistent illumination from 9-33V DC.

NaviLED® M lamps are available in five LED signal colours (amber, red, blue, green and white) to suit a wide range of applications.

Maximum service life and light output of the high intensity LED light source is ensured through an integral aluminium heat sink. A multi component refractor system delivers controlled rotationally symmetrical light distribution with minimal losses. The smooth self-cleaning exterior lens can be re-polished if required, with no detrimental effect on light-output or chemical resistance.

Safe and reliable electrical connection is facilitated via a short length double insulated multi core cable, terminated as standard in DT connector or with bare wire ends. Other connector options can be supplied as special orders.

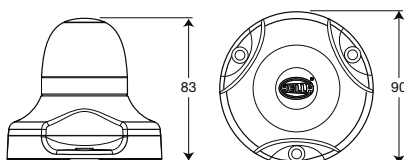
**Product features**

- High visibility yellow, impact-resistant acrylic base
- Clear UV and chemical resistant modified acrylic lens
- Function colours coded into lens caps
- 'Flashing' or 'steady on' signal light
- Flash rate approx. 100 fpm
- Amber, red, blue, green and white functions available
- Minimum visible distance of 3 km
- Single high intensity LED light source
- Sealed unit pre-wired with multi strand double insulated cable
- Available with DT plugs or bare wire ends
- Optic remains clear until illuminated
- Multivolt™ 9-33V DC
- Spike protected to +500 volts
- Over voltage protected to +200 volts
- Reverse polarity protected to -500 volts
- Low power consumption 2W
- Sealed to IP67 to withstand temporary immersion and high pressure washing
- 200G shock impulse resistant
- Tested over a -40°C to +70°C temperature range
- External elements manufactured from flame retardant polymers rated UL94 HB

**NaviLED® M Signal Lamps**



Description	Part No.
<b>NaviLED® M Surface Mount, Yellow Housing</b>	
Amber LED	<b>HM980910621</b>
Red LED	<b>HM980910421</b>
Blue LED	<b>HM980910721</b>
Green LED	<b>HM980910221</b>
White LED	<b>HM980910021</b>
Amber LED	<b>HM980910631D</b>
Red LED	<b>HM980910431D</b>
Blue LED	<b>HM980910731D</b>
Green LED	<b>HM980910231D</b>
White LED	<b>HM980910031D</b>



Optic appears clear until illuminated in all lamps

