



WE POINT THE WAY

TRAFFIC MANAGEMENT PRODUCTS
2019/2020



SAFETY IS OUR MISSION



Dear customers, partners and prospective customers,

In your business, you depend on the right materials every single day. You depend on quality that is worth the price, functionality that is tried and tested, and, of course, technical characteristics that meet the legal norms. As one of the world's technology and industry leaders, we develop and manufacture products that meet or exceed these requirements. From beacons, safety barriers and traffic cones to warning lamps and guidance systems. With decades of experience and the knowledge of competent engineers, we point the way on the road and in the marketplace, as well. This is our job, that is our mission. But don't take our word for it, take a look at our product range and see for yourself.

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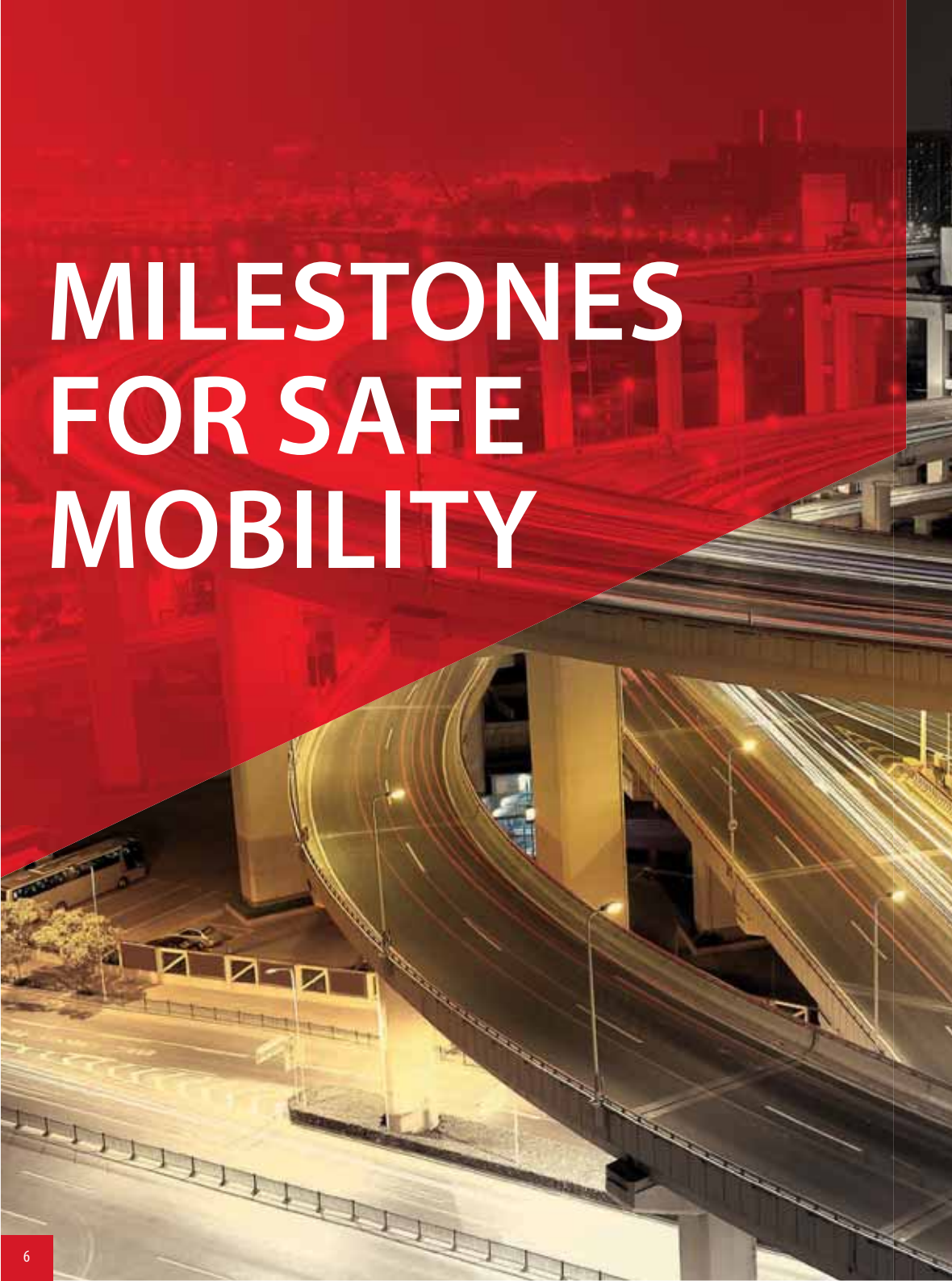


WE PROVIDE THE SOLUTION

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MILESTONES FOR SAFE MOBILITY



Just as forward-looking driving is one of the principles of safe mobility, we are developing solutions with a view to the future. From the Nissen lights from the 1950s that make up an entire category these days to the interactive warning systems of tomorrow.

How to achieve maximum light output and precise beam power with maximum stability and efficiency? How can highly sensitive lighting and control elements be integrated into mobile units? Each of our innovations attest to the ingenuity, the know-how of experienced engineers and the courage to set out on new paths. Even supposedly simple details such as, for example, our unbreakable Fresnel lenses turn out to be complex optical systems, in which

individually calculated facets direct the light beam straight to the road. Thanks to our intensive research, we have significantly advanced the development of LED technology in mobile traffic technology - and this advanced technology is included in our new production series that can dynamically display every traffic sign. Soon, warning systems will exchange information with approaching vehicles - we are already working on it.

HIGH TECH FOR EVERY REQUIREMENT



With the development of dynamic systems, Nissen has given decisive impulses to mobile traffic management. In particular, thanks to individual designs and the use of our high-performance LED technology, today even demanding tasks can be efficiently met.

Our mobile LED variable message signs, roof superstructures for patrol cars and service vehicles, as well as our mobile caution and warning boards, open up a new dimension of traffic safety. Each of these complex developments is created by hand in our main factory and is characterised by reliable quality on the one hand and a high degree

of flexibility on the other. Thanks to an intelligent modular design, the individual versions can be customised for different applications by means of various control modules, mechanical and electrical drives and additional details. Obviously, each of these customised solutions meets the most stringent safety requirements.

QUALITY GUARANTEED THROUGH OUR OWN PRODUCTION

The uncompromising quality of the Nissen brand is not only a result of our self-image as a technical pioneer. It is an ethical obligation, because through our products we are responsible for the safety of many people.

A task can be delegated, but not responsibility. That is why we keep the production process in our own hands and manufacture the most important components of our products ourselves. We use the know-how of qualified experts only in the field of complex electronics, whose contributions we constantly monitor in accordance with clearly defined, critical criteria. All steel components for our mobile systems are processed in our own factory. Similarly, the

plastic elements for our designs come from our own injection moulding machines. And to ensure fault-free processes, we concentrate the entire production at our headquarters in Tönning – Germany. All modules are assembled by hand here. We know and understand every product that leaves our company down to the last detail. Only this way we can be sure that the roads are safe too.



HIGH QUALITY IS OUR STANDARD

When safety comes from responsibility

When it comes to mobile traffic safety, planning and selecting the right materials are critical. When you choose Nissen, you are choosing products that meet the highest quality standards and the strictest guidelines. This is clear from the following:



CE

The CE marking indicates the conformity of the product with the "Basic Requirements" to be met, depending on the applicable harmonization directive. It applies to the European Union and the EFTA States, with the exception of Switzerland.



DfT

The Department for Transport (DfT) in Great Britain is responsible for the Traffic Signs Regulations and General Directions (TSRGD). All traffic signs in TSRGD are deemed as "the law" including any specific Signs Authorisation issued by the DfT which is outside the TSRGD.



TOPAS

Traffic Open Products And Specifications (TOPAS) key aim is to seek convergence of specifications to reduce the risk of operational problems in the future in Great Britain. The establishment of TOPAS ensures the management and development of technical specifications for traffic control equipment and offer a straight forward means for customers to verify compliance with these through its product registration system.



EN 12352

This standard defines the requirements for warning lights on a European basis.



EN 12966

All VarioSign LED traffic signs comply with the requirements set out in European Standard EN 12966. These include dimensions and structural design, colour and luminance, as well as the uniformity of the light intensity and the durability of the optical quality.



BASt

The BASt seal indicates that the product has been tested by the Federal Highway Research Institute in accordance with the applicable regulations and is therefore approved for use on German roads.



NiBus modem

This digital data interface let you control and monitor our safety systems regardless of location. In addition, the NiBus modem can also be used to integrate other traffic management systems commonly used at roadworks.



TrafficManager

Products can be monitored and controlled with the Software TrafficManager.



Tested quality

This seal is awarded to our products, which are developed in accordance with existing standards and which meet high technical standards. In addition to our internal audits, these products must also be audited by experts with a separate test number.



lights classes

Warning lamps are subdivided into the German Technical Terms of Delivery "TL warning lamps" and into the lamp classes WL1 - WL8, in the European standard EN 12352 into the lamp classes L1 - L9. The luminaire class depends on the field of application and design.



ConiLamp LED

- Automatic switch on by putting on a cone
- Built-in solar switch for daytime energy saving
- No keys or tools required
- Continuous / steady light
- Integrated cone bracket
- Robust design to meet harsh operational requirements
- Single sided (uni-directional) lamp



Eff. light intensity
10 cd



Light colour
amber, magenta



Light source
1 LED



Dimension lens
186 mm



Weight
0.7 kg



Operating voltage
6V

ConiLamp LED

Ref. No.

ConiLamp LED, steady light, one-sided amber
ConiLamp magenta LED lamp

130 331-1
130 331-9

Accessories and Spare parts

Ref. No.

Dry Cell Battery Premium 800, 6V, 7 Ah – 9 Ah
Battery Konstant 25, 6 V, 25-28 Ah
Battery Konstant 45, 6 V, 45-50 Ah

155 051
155 054
155 056

Operating time with one battery set

With battery Premium 800	400h
With battery Konstant 25	950h
With battery Konstant 45	1400h



Packaging
10 pcs in one carton / 200 on one pallet
also available in other quantities



More information
NIS-02058
To be entered on nissen-germany.com



ConiLamp magenta



Integrated cone bracket



Battery change



ConiLamps in use

TaperLamp 626-C

- Can be used as a single luminaire or sequential light system
- Stable infrared synchronization
- Stored steady light for better orientation
- Automatic switching on by putting on traffic cone
- Integrated cone bracket
- Lens with reflective rim
- In accordance with BS EN standards



Operating voltage
6V



Light source
1 LED



Light colour
Amber



Weight
0.7 kg



Eff. light intensity
100 cd



Flash rate
60 fl./min

TaperLamp 626-C

Ref. No.

TaperLamp, amber, type 626 C, one-sided lamp

129 083-1

Operating time with one battery set

With battery Premium 800	600 hrs
With battery Konstant 45	4000 hrs



TaperLamp



Battery change



TaperLamp in use



Integrated cone bracket



Packaging
10 pcs in one carton / 200 pcs on one pallet
also available in other quantities



More information
NIS-02036
To be entered on nissen-germany.com

Synchros

- Ideal system for incident management
- Early recognition of danger spots
- Synchronized light sequence to ensure safe passing of the hazardous spot
- Space-saving placement in compact storage & charging box
- Firm road grip when studs are placed on the road
- Easy and quick deployment for instant lane closure
- Two Synchros can be combined with each other
- Charging cable with 2-pole car plug
- Approved for use by UK DfT



	Light colour amber, blue		Aperture angle horizontal / vertical 15°		Operating voltage 10 – 30 V DC		Av. power consumption with completely discharged battery 0.5 A
	Operation time ca. 16 hrs		Dimensions LED stud 100 x 90 x 25 mm		Dimensions (LxWxH) transport and storage case 260 x 160 x 125 mm		Weight 2.5 kg

Synchros	Ref. No.
Amber Synchros	141 060-1
Blue Synchros	141 060-2
Accessories and Spare parts	Ref. No.
Amber stud for Synchros	241 060-1
Blue stud for Synchros	241 060-2
Mains charger, UK version (not illustrated)	070 157-2
Charging cable for Synchros with straight plug	400 225-2
Bracket for mounting stud over a traffic cone	392 337-11



Synchros stud



Blue version



Charging cable



In use



More information
NIS-02038
To be entered on nissen-germany.com

Star-Flash LED Type 627

- Synchronization by infrared diodes in each lamp
- Lamp chain of any length and any amount of lamps possible
- Energy-efficient design with only one LED
- Automatic switchover due to discharged rechargeable battery
- High stability by four swivel-out support feet
- Space-saving storage due to slim design



	Light colour amber		Eff. light intensity day / night 500 cd / 250 cd		Blink-/flash rate 60 fl./min.		Light source one-sided: 1 LED / two-sided: 2 LED
	Dimensions (LxWxH) 370 x 205 x 95 mm		Weight ca. 1.6 kg				

Star-Flash LED Type 627	Ref. No.
Star-Flash LED Type 627 A guide light lamp, one-sided amber (According to German Standards) with integrated lithium-ferro battery pack	129 091-001-01
Star-Flash LED Type 627 A guide light lamp, two-sided amber, with integrated lithium-ferro battery pack	129 091-001-02
Star-Flash LED Type 627 A guide light lamp, one-sided blue (According to German Standards) with integrated lithium-ferro battery pack	129 091-001-03
Star-Flash LED Type 627 B guide light lamp, one-sided amber (According to German Standards), for battery operation , without battery	129 091-011-01
Star-Flash LED Type 627 B guide light lamp, two-sided amber for battery operation , without battery	129 091-011-02

Accessories and Spare parts	Ref. No.
Transport cradle 12/24 V for Star-Flash LED	129 090-001-00
Type 620/627, single, without supply cable	
Transport and charging cradle 12/24 V for Star-Flash LED	129 090-001-01
Type 620/627, single, with 2 m supply cable and 2-pole vehicle plug	
Transport and charging cradle 12/24 V for Star-Flash LED	129 090-004-01
Type 620/627, 4-fold, with 2 m supply cable and 2-pole vehicle plug	
Lithium-Ferro rechargeable battery pack 6,5V, 1500 mAh for Star Flash 620A/627A	056 056-2
Adapter for using the Nitra, Euro-Nitra, Star-Flash and City Flash on traffic cones	081 736-1
AC/DC converter 110-240V, 12V, 5A, for indoor use only, with cigarette lighter socket (for Star-Flash LED 620/627 A)	070 098-1



In transport and charging cradle



Guide light



with blue lens



Adapter for traffic cones

Operating time with one battery set	
With integrated Lithium-Ferro rechargeable battery pack	40 hrs
With battery Premium 800	180 hrs



More information
NIS-01110
To be entered on nissen-germany.com

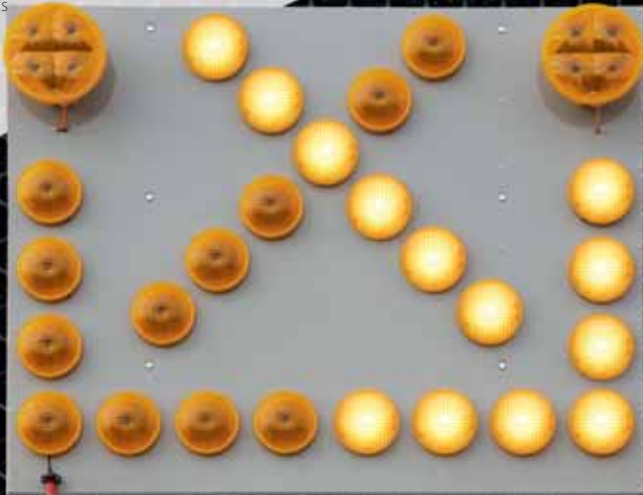
LED Light Arrow LP 13-GB














- Amber LED lamps (13) forming a mini light arrow (left or right) and 4-fold hazard warning
- Equipped with LED Lamps; available in "Fixed" or "Articulated" or "Vertical Lift" versions
- Lamps are fitted on a grey backing board
- Ideal for use on routine maintenance and ISU vehicles
- Automatic day and night adaptation of light intensity
- 12 V or 24 V system with easy to use cab-fitted remote control
- BS and EN compliant; authorised by HA and DfT
- Visible over a long distance



LED Light Arrow LP 8000

- Specifically designed for IPV's & TM vehicles
- Top and bottom boards are inter-linked with an arrow motor
- Galvanised framework with grey aluminium backing board
- High grade micro-processor controlled electronics
- Easy to operate with cab-fitted remote control
- System can be supplied with Zyklop 340 single LED lamps
- TSRGD and Chapter 8 compliant (UK)
- A Vertical Lift version is also available



	Light source LED		Dimensions (LxWxH) 1070 x 1070 x 280 mm		Weight 38 kg		Light colour amber		Light source LED		Light colour amber		Dimensions (WxH) 2220 x 1720 mm		Eff. light intensity day / night 0.7 A / 0.5 A
	Av. power consumption 12 V: 1 A/0.3 A; 24 V: 0.5 A/0.3 A		Operating voltage 12 V / 24 V				Operating voltage 24 V		Weight 100 kg		Flash rate 40 fl./min				

LED Light Arrow LP 13-GB	Ref. No.
LP13 Slider/vertical lift system with Eco Remote II	129474-011
LP13 NiBus L8H LED, Raise/Lower with Eco remote II & 20m cable	NUK-000005
LP13 NiBus L8H LED, FIXED, with Eco remote II & 20m cable	NUK-000004

Accessories and Spare parts	Ref. No.
Eco-Remote II cable remote control with 14 m cable and LP 13 holder	129 266-53
Eco-Remote II cable remote control (without cable)	329 233-3
Light Arrow Lamp Zyklop 220, 12/24 V, with 2 m connecting cable	122 220-1-04
Lens, amber, for Multi-Light, 220 mm Ø	292 179-1



LP 13 Fixed version



LP 13 Horizontal lift version



Eco remote II



LP 13 Vertical lift version

LED Light Arrow LP 8000	Ref. No.
LP8025 NiBus Light Arrow, NiBus, complete with 25 Zyklop L8H Lamps, 2-fold LED 340mm Lamps c/w 20m cable remote	NUK-000002B

Accessories and Spare parts	Ref. No.
Standard cable remote control	129266-26-02
Advanced warning lamp Multi-Light 340 with 5 m bus cable	122 316-1
Light arrow lamp Zyklop 220, amber, with 4 m connecting cable	229 470-1-02
Lens for advance warning lamp Multi-Light 340 LED, amber	292 185-11



LP8000



Standard cable remote



LP8000 - stowed position



LP8000 Slider



More information
NIS-02027
To be entered on nissen-germany.com



More information
NIS-01992
To be entered on nissen-germany.com

Twofold Warning System Zyklop 220 LED L8H

- Energy-efficient design with only one LED
- Automatic day/night adaptation, switchable to solar switch
- 5 m connecting cable with battery clips
- Consisting of one master lamp and one slave lamp, cable length between the lamps ca. 3 m



Light colour
amber



Eff. light intensity
1500 cd



Av. power consumpt. day
0.28 A



Operating voltage
12/24V



Blink-/flash rate
60 fl./min.



Light source
1 LED



Weight
1.2 kg/set

Twofold Warning System Zyklop 220 LED L8H

Ref. No.

Twofold Warning Light System Zyklop 220 LED L8H
Type 671/1 NiBus, 12/24 V,
with 5 m connecting cable with battery clips

122 222-1

Accessories and Spare parts

Ref. No.

Box for rechargeable batteries 12 V up to 230 Ah, lockable
Bracket for tubes up to 82 mm

190 230-1
365 522-12

Operating time with one battery set

With rechargeable battery 12 V, 100 Ah	440 hrs
With rechargeable battery 12 V, 180 Ah	800 hrs
With rechargeable battery 12 V, 230 Ah	1000 hrs



Twofold Warning System Zyklop 220



Twofold Warning System with bracket



Box for rechargeable batteries

More information
NIS-01411
To be entered on nissen-germany.com

Test number
V3-24-2013

Twofold Warning System Zyklop 340 LED L9H

- Engery-efficient LED technology
- Automatic day/night adaptation, switchable to solar switch
- Consisting of one master lamp and one slave lamp, cable length between the lamps 5 m
- Master lamp with 5 m connecting cable with battery clips



Light colour
yellow



Eff. light intensity day
20000 cd



Av. power consumpt. day
0.5 A



Operating voltage
12/24V



Blink-/flash rate
60 fl./min.



Light source
1 LED



Dimensions
Ø 350 mm / height: 96 mm



Weight
2.5 kg/set

Twofold Warning System Zyklop 340 LED L9H

Ref. No.

Twofold Warning Light System Zyklop LED L9H (NiBus)
12/24 V, with 5 m connecting cable with battery clips

122 322-001

Accessories and Spare parts

Ref. No.

Box for rechargeable batteries 12 V up to 230 Ah, lockable

190 230-1

Operating time with one battery set

With rechargeable battery 12 V, 180 Ah	450 hrs
With rechargeable battery 12 V, 100 Ah	250 hrs



Twofold Warning System with bracket



Box for rechargeable batteries



Multi-Light 340 in use











Multi-Light 340

More information
NIS-02117
To be entered on nissen-germany.com

Light Arrow Lamp Multi-Light 65 LED

- Compact dimensions
- Versatile
- Lens available in different colours
- Due to the external thread it is easy to mount to any frame with a thickness of between 1 mm and 8 mm



	Light colour yellow		Eff. light intensity 300 cd		Av. power consumpt. day 0.3 A		Operating voltage 12/24V
	Blink-/flash rate 60 fl./min.		Light source 1 LED		Dimensions Ø 70 mm / height: 30 mm		Weight 0.06 kg

Light Arrow Lamp Multi-Light 65 LED	Ref. No.
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Light arrow lamp Multi-Light 65 LED, yellow, 12/24 V (NiBus) with 3 m connecting cable 4 x 0,75 mm	122 102-001
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TrioSign Folding Signs

- All three sides can be individually printed with traffic signs and text
- Multiple use with additional text by velcro strips
- Weather-resistant signal covering made of robust plastic fabric
- Daylight luminous, highly reflective and visible
- Easy change of the covering by quick release
- High level of stability thanks to specially shaped feet
- Turning mechanism for easy opening of the folding signal
- Designed to fit various Nissen lights and easy to set up
- Optional weight for increased wind stability



	Dimensions (WxH) 60: 740 x 750 mm; Ø 855 mm		Dimensions (WxH) 70: 840 x 850 mm; Ø 970 mm		Dimensions (WxH) 90: 1135 x 1150 mm; Ø 1310 mm		Dimensions (WxH) 110: 1320 x 1335 mm; Ø 1525 mm
	Weight 60: 2.0 kg		Weight 70: 2.4 kg		Weight 90: 5.2 kg		Weight 110: 6.0 kg

TrioSign Folding Signs	Ref. No.
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TrioSign 70 folding sign, foil class R1 to R0 (white or yellow), complete	160 60_
TrioSign 70 folding sign, foil class R1 to R0 (white or yellow), complete	160 70_
TrioSign 90 folding sign, foil class R1 to R0 (white or yellow), complete	160 90_
TrioSign 110 folding sign, foil class R1 to R0 (white or yellow), complete	160 11_

Accessories and Spare parts	Ref. No.
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Velcro strips for TrioSign 70, foil class R0 to R3 (white or yellow)	158 70_
Velcro strips for TrioSign 90, foil class R0 to R3 (white or yellow)	158 90_
Velcro strips for TrioSign 110, foil class R0 to R3 (white or yellow)	158 11_
Additional weight 1.5 kg for TrioSign 60 and TrioSign 70	071 425-060
Additional weight 1.8 kg for TrioSign 90	071 425-090
Additional weight 2.5 kg for TrioSign 110	071 425-110



Traffic Light System LZA 500-LED

- Intelligent system with auto restart in case of comms failure
- Folding head: The tallest portable lights in the UK
- Pre-programmed distance settings
- Very compact and a 2-way fits into a small van
- Each LZA 500-UK can run as a master or a slave
- Auto on/off switch across-phase from master
- Lighted and user-friendly control panel at eye level
- System allows multiple phases with multiple heads



Light colour
red, amber, green



Max. light intensity
380 cd red, 360 cd yellow,
160 cd green



Av. power consumption
0.45 A



Operating voltage
12 V



Light source
80 high power LED

Traffic Light System LZA 500-LED

Ref. No.

LZA 500-UK Traffic Light

145564-002

Accessories and Spare parts

Ref. No.

Niko key
Battery Box
Radarsensor

070 090-1
245 335-12
064 302-2

Operating time with one battery set

With rechargeable battery 12 V, 180 Ah
With rechargeable battery 12 V, 230 Ah

550 hrs
700 hrs



LZA 500-LED Controller



LZA 500-LED in use



More information
NIS-01989
To be entered on nissen-germany.com

Pedestrian Light System LZA 500-PED

- Compact and handy design
- Longer operating times
- Swivel heads - easy to turn away from the flow of traffic
- Super light-weight and environmentally friendly
- Folding head: The tallest portable lights in the UK
- Uses latest Bluetooth technology
- HA Type approved; TOPAS approved
- Request on demand



Light colour
red, green



Max. light intensity
380 cd red, 160 cd green



Av. power consumption
380 cd red, 160 cd green



Av. power consumpt. day
12 V



Light source
80 high power LED

Pedestrian Light System LZA 500-PED

Ref. No.

LZA 500-PED

145 565-002

Accessories and Spare parts

Ref. No.

Key
Battery Box

070 090-3
245 335-12

Operating time with one battery set

With rechargeable battery 12 V, 180 Ah
With rechargeable battery 12 V, 230 Ah

550 hrs
700 hrs



Push button



Application



More information
NIS-02046
To be entered on nissen-germany.com

Mobile Plastic Safety Barrier Pro-S

- Made of high quality plastic
- Foil protected by frame recess from damage
- With pins for the mounting safety lamps
- Easy to position with safety foot plates
- Ideal system for event management applications
- Stacking lugs for safe storage and transport
- Practical carrying handle



Dimensions (WxH)
2100 x 1000 mm



Weight
13 kg

Mobile Plastic Safety Barrier Pro-S

Ref. No.

Mobile Plastic Safety Barrier Pro-S, one-sided
foil type RA1 A red/white

071 658-01

Accessories and Spare parts

Ref. No.

Base plate TL 56 K1
Dry Cell Battery Premium 800, 6V, 7 Ah – 9 Ah
Red MonoLight c/w metal bracket for barriers
Bracket for mounting the MonoLight and BaKoLight

070 293-1
155 051
111 602-53
070 877



Application



Universal Base Plate K1



Packaging
25 pcs in one bunch
also available in other quantities



More information
NIS-01980
To be entered on nissen-germany.com

Safety Beacon

- Equipable with all common foil types on one or both sides
- Foil protected by surrounding edge
- Replaceable aluminium stand tube 40 x 40 mm
- Stackable without risk of slipping
- For use with beacon lamps BaKoLight LED and Konstant-Norm-LED



Dimensions (LxWxH)
1319 x 304 x 60 mm



Weight
3.6 kg

Safety Beacon

Ref. No.

Safety Beacon, one-sided, foil RA1 A, pointing left
without base plate
Safety Beacon, one-sided, foil RA1 A, pointing right
without base plate
Safety Beacon, two-sided, foil RA1 A, pointing left/right
without base plate
Safety Beacon, one-sided, foil RA2 C, pointing left
without base plate
Safety Beacon, one-sided, foil RA2 C, pointing right
without base plate
Safety Beacon, two-sided, foil RA2 C, pointing left/right
without base plate

071 322-202
071 324-202
071 330-202
071 322-22
071 324-22
071 330-22

Accessories and Spare parts

Ref. No.

Transport and storage rack for 60 to 72 beacons, depending on beacon type
(Safety beacons, Standard Beacons and WeBaNi 60 = 68 pcs, WeBaNi 40 = 72 pcs.)
Spare tube with stopper
Base plate TL 56 K1

081 600
071 319-2
070 293-1



Safety beacon system



Aluminium stand tube



Transport and storage rack



Packaging
60 pcs on one pallet
also available in other quantities



More information
NIS-00224
To be entered on nissen-germany.com

Test number
94 2K 013 2000 2K 01

Guidance system



Traffic cones



Traffic cone
320 mm



Traffic cone
500 mm



Traffic cone
(to German standards)
500 mm



Traffic cone
(to German standards)
750 mm



Traffic cone
(to German standards)
750 mm



Traffic cone
1000 mm

1000 mm

750 mm

500 mm

320 mm

Roof Frame for Service Vehicles

Pamir II



DESIGN

- Housing made of glass-fibre reinforced plastic (GRP)
- Folding frame and round frame of aluminium or hot-galvanized steel
- Profile housing of the text matrix of aluminium (AlMg3)
- Profile bars for mounting on any vehicles

LIGHT ARROW / TEXT MATRIX

- Light arrow system either with 15 or 23 LED light arrow lamps certified in compliance with EN 12352
- Motor-driven lifting and lowering of the upper board, including a mechanism for mechanical emergency adjustment
- Manual cable control or combined manual radio-cable control for operating all functions via touchscreen and one-touch keys
- Freely programmable VarioSign text matrix with continuous brightness adjustment, automatic or manual to display static or dynamic texts and symbols

Housing size:	1750 x 370 mm
LED surface:	1620 x 240 mm
Number of characters:	9
Grid dimension:	15 mm
Pixels:	108 x 16
Character height:	200 mm

ELECTRICAL SYSTEM

- 12/24 V operating voltage

ACCESSORIES AND OPTIONS

- 2-fold 340 mm warning lights
- Work lights
- Revolving beacons
- Battery guard for protection of electronics



Technical data

Total length	LP 15: 2150 mm
Total length	LP 23: 2600 mm
Total width	LP 15/23: 1760 mm
Height lowered	LP 15/23: 370 mm
Height lifted	LP 15: 1521 mm
Height lifted	LP 23: 1751 mm
Weight	100 kg

Roof Frame for Service Vehicles Pamir II

Ref. No.

Roof Frame for Service Vehicles, 9 segments with light arrow LP 23-H/S with cable remote control Standard-Remote Dimensions: 2450 x 1710 x 390 mm	129 493-001
Roof Frame for Service Vehicles, 9 segments with light arrow LP 23-H/S with radio/cable remote control Pro-Remote Dimensions: 2450 x 1710 x 390 mm	129 493-101

Further versions on request



More information
NIS-00743
To be entered on nissen-germany.com



LED Variable Message Sign WeNiPol II



CHASSIS

- A perfect solution for emergency vehicles
- Stainless steel base frame
- Powder-coated aluminium housing
- Universal mounting on commercially available roof racks
- Impact-resistant anti-reflective polycarbonate front pane
- Maximum speed: in lifted position up to 80 km/h, in lowered position up to 160 km/h
- Electromotive lifting and lowering

LED DISPLAY

- Full matrix for displaying freely programmable static and dynamic texts and symbols to animations
- Good recognizability of the signs from almost every perspective and even from long distances
- Quick selection of the symbols
- Ready-to-use system
- With regard to photometric requirements, certified in compliance with EN 12966:2005+A1:2009
- Grid dimension 20 mm
- Up to four colours can be used
- Premium quality light-emitting diodes with a long service life
- Continuous brightness adjustment, automatic or manual
- Dimension:
 - St: 822 x 822 x 100 mm
 - St+: 882 x 822 x 100 mm
 - Screen: 750 mm, 750 mm

CONTROL & ELECTRICAL SYSTEM

- Cable or Bluetooth remote controls for operating all functions via one touch keys
- 12/24 V operating voltage

ACCESSORIES AND OPTIONS

- Combined manual radio-cable control for operating all functions via touchscreen and one-touch keys
- Open interface
- Caution lights
- Integrated amber or blue LED advance warning flashers
- GPS speed sensor
- Holder for revolving beacons
- Software for free programming

Typical applications

- Police
- Fire brigade
- Technical assistance organisation
- Road patrol service
- Breakdown service



More information
NIS-02118
To be entered on nissen-germany.com



WeNiPol II St+



WeNiPol II

Technical data

Weight 50 kg

LED Variable Message Sign WeNiPol II	Ref. No.
WeNiPol II ProLine St 12/24 V, amber fully assembled	129 503-001-01
WeNiPol II ProLine St 12/24 V, red/white fully assembled	129 503-002-01
WeNiPol II ProLine St+ 12/24 V, red/white fully assembled	129 503-002-02
WeNiPol II ProLine St 12/24 V, red/white/amber fully assembled	129 503-003-01
WeNiPol II ProLine FE+ 12/24 V, red/white/amber fully assembled	129 503-003-03
WeNiPol II ProLine FE+ 12/24 V, red/white/amber/blue fully assembled	129 503-004-03



VarioSign – Variable Message Systems



HOUSING

- A perfect solution for mobile applications
- Powder-coated aluminium profile housing (AlMg3)
- Universal mounting by C-profiles on the rear side
- Impact-resistant anti-reflective polycarbonate front pane (classic)
- Separate control housing on the rear side to provide easy maintenance access

LED DISPLAY

- Full matrix for displaying freely programmable text messages & pictograms
- Excellent legibility from almost every perspective and even from long distances
- Pitch dimension 20 mm
- Premium quality light-emitting diodes with a long service life
- Continuous brightness adjustment, automatic or manual
- Available in different display sizes to suit urban as well as trunk roads & motorways.
- Radar for Vehicle Actuated Sign (VAS) functionality is an option
- Photometric values in accordance with BS EN 12966, TOPAS approved

CONTROL & ELECTRICAL SYSTEM

- Manual cable control for operating all functions via one-touch keys
- 12/24 V operating voltage
- Mains, battery or solar powered
- Optimized power supply for long operating times

POPULAR TRAILER MOUNT VMS SIZE OPTIONS

Type LED / screen size (mm) / housing size (mm)

3x4-420 / 1260 x 1680 / 1390 x 1810

4x3-420 / 1680 x 1260 / 1810 x 1390

5x4-420 / 2100 x 1680 / 2230 x 1810

6x4-420 / 2520 x 1680 / 2650 x 1810

7x3-420 / 2940 x 1260 / 3070 x 1390

TYPICAL APPLICATION

- Mobile traffic congestion warning systems
- Risk signalling
- Changing traffic routing
- Traffic management
- Signposting for works and events
- Height control
- Information display



ACCESSORIES AND OPTIONS

- Combined manual radio-cable control for operating all functions via touchscreen and one-touch keys
- Control and monitoring via bespoke web application
- Open interface
- High intensity wig wag LED lamps
- 230 V voltage supply, solar, battery

Technical data

Light colour	red, amber, white, blue
LED pitch	20 mm
Operating voltage	12/24 V
Material housing	Aluminium, sea-water resistant

VarioSign – Variable Message Systems

Ref. No.

Nissen VarioSign 4 x 3k - 420 with Amber LEDs:	229 291-43-102
Nissen VarioSign 5k x 4k - 420 with Red/White LEDs:	229 291-54-113
Nissen VarioSign 5k x 4k - 420 with Red/White LEDs - part populated:	229 291-54-123
Nissen VarioSign 6 x 4k - 420 red/white/amber/blue:	229 291-64-006
Nissen VarioSign 6 x 4k - 420 red/white:	229 291-64-003
Nissen VarioSign 7 x 3k - 420 red/white:	229 291-73-113



More information
NIS-02053
To be entered on nissen-germany.com

VarioSign-Red X Toblerone System

- VMS system is equipped with VarioSign 5x4k-420 with Red/white LEDs and a Prism board
- Depending on the selected arrow position on VMS, the 610 arrow displays a corresponding arrow left or right and when top VMS board displays Red X, the prism displays "CONVOY VEHICLE NO OVERTAKING"
- Ideal for impact protection vehicles offering advanced superior warning and information to oncoming motorists
- System can be programmed with "wicket" signs for lane closure information.
- According to EN12966 and TOPAS approved and DfT authorised



Dimensions (WxH)
2100 x 1680 mm (screen)



Material housing
aluminium, seawater resistant



Light colour
red, white



LED pitch
20 mm



Operating voltage
12 / 24 V

VarioSign-Red X Toblerone System

Ref. No.

Nissen VarioSign 5k x 4k - 420 with Red/White LEDs:

229 291-54-113

Nissen VarioSign 5k x 4k - 420 with Red/White LEDs - part populated:

229 291-54-123

Accessories and Spare parts

Ref. No.

Standard cable remote control

129266-26-02

Memory stick 8 MB

320227-8

Prism Sign NUK, external dimensions 1856 x 1745 mm, arrow left, arrow right,
CONVOY VEHICLE NO OVERTAKING

081628-21



Hard-shoulder use 2-fold



Live lane use – arrow left



Live lane use – arrow right



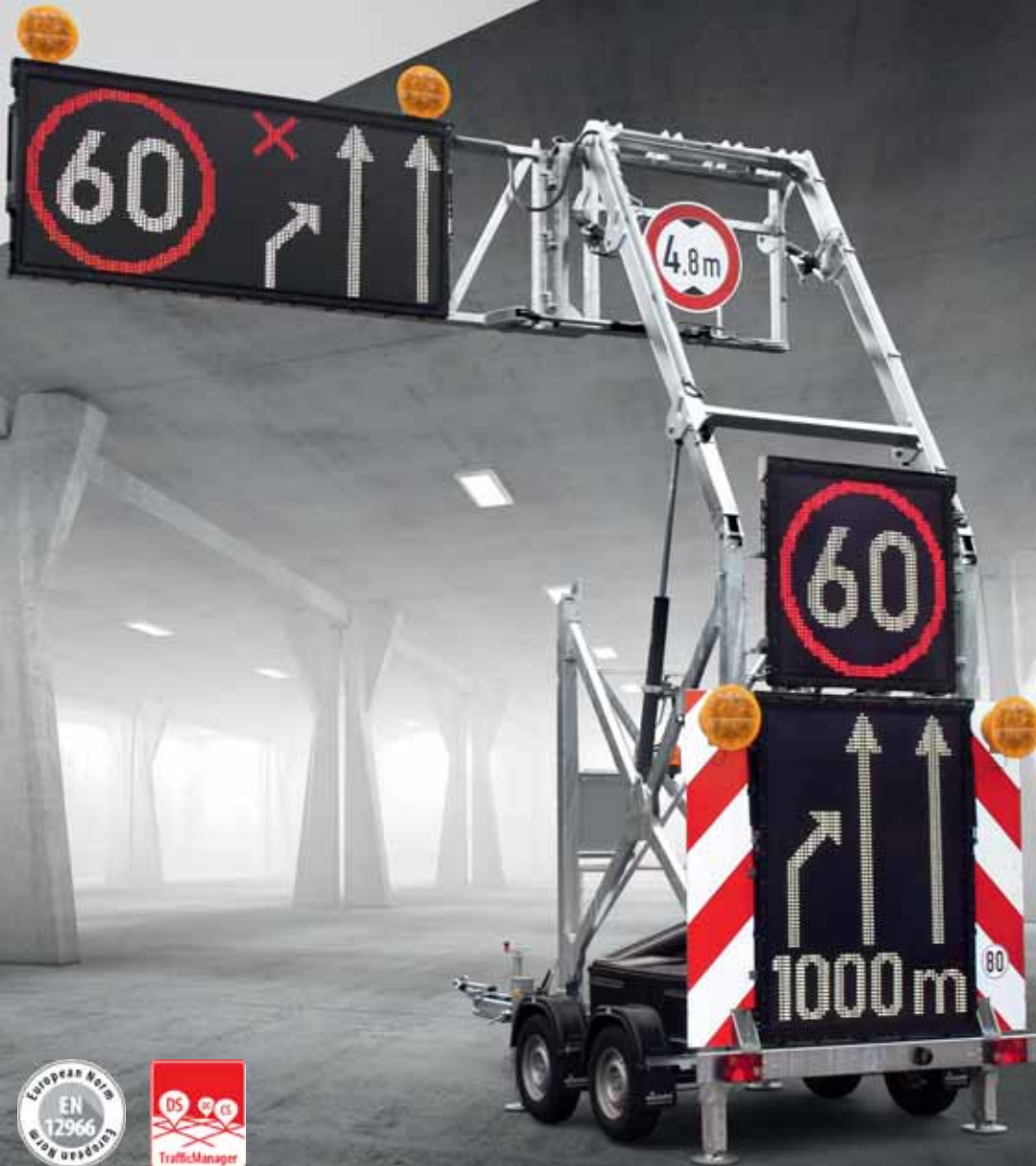
Standard cable remote



More information
NIS-02034
To be entered on nissen-germany.com

VarioSign LED Warning Trailer

PHAROS 2.0



CHASSIS AND BODY

- Chassis and body of hot-galvanized steel
- Hot-galvanized, height-adjustable drawbar with holding brake
- DIN towing eye and spherical-head coupling changeable
- Height-adjustable support wheel
- 4 fully adjustable and individually controllable hydraulic supports
- 2 battery boxes of acid-proof plastic (1660 x 450 x 320 mm)
- Warning marking in accordance with DIN 30710 at the rear

ADVANCE WARNING BOARD

- 4 LED advance warning beacons inspected in compliance with TL warning beacons WL 7
- 3 LED variable traffic signs with an automatic and manual brightness adjustment for the static and dynamic representation of texts, symbols and road signs

Upper LED variable traffic sign

Housing size:	2650 x 1210 mm
LED display surface:	2520 x 1080 mm
Pixels:	126 x 54
Grid dimension:	20 mm
LED/m ² :	2500

Medium-sized variable traffic-sign (optional)

Housing size:	1210 x 1210 mm
LED display surface:	1080 x 1080 mm
Pixels:	54 x 54
Grid dimension:	20 mm
LED/m ² :	2500

Lower variable traffic sign

Housing size:	1390 x 1810 mm
LED display surface:	1260 x 1680 mm
Pixels:	63 x 84
Grid dimension:	20 mm
LED/m ² :	2500

- Upper LED variable traffic sign swings above the road
- Libraries on a separate memory module
- Hydraulic lifting and lowering of the upper board, including a mechanism for mechanical emergency adjustment
- Combined manual radio-cable control for operating all functions via touchscreen and one-touch keys

ELECTRICAL SYSTEM

- Rechargeable battery, 24 V, up to 50 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery guard for protection of electronics
- Battery charger



More information
NIS-01741
To be entered on nissan-germany.com



State for transport



Side view

ACCESSORIES AND OPTIONS

- Hydraulic post available without swivel arm
- Control and monitoring system
- Operating hours counter
- Interface package
- Wind sensor

Technical data

Total length	5800 - 6200 mm
Total width	2200 mm
Track width	2000 mm
Height lowered	3800 mm
Height lifted	6600 mm
Clearance height	4800 mm
Total weight	2500 kg
Empty weight depending on model	2000 kg
Max. load capacity	500 kg

VarioSign LED Warning Trailer PHAROS 2.0

Ref. No.

Advance LED Overhead Warning Trailer Pharos 2.0

129 265-052



Drop & Pick Systems Van



CHASSIS AND BODY

- Construction for two or three modules
- Hydraulic scissor lift for lifting and lowering the modules with a hand pump for emergency adjustment
- Double-sided locking for each module
- A separate operating element in the driver's cab, for lifting and lowering

VAN

- Transporter for traffic control modules based on an Iveco Daily
- Standard engine output of 150 hp
- Fuel: Diesel EURO 6
- 6-speed manual transmission
- Air conditioner

ACCESSORIES AND OPTIONS

- Upgrading the engine output to 180 hp
- automatic
- Integrated battery charging system of the modules via the vehicle
- Rear view camera set with a colour monitor in driver's cab
- Warning flasher set consisting of two flashers on the front of the vehicle as well as the rear of the vehicle and two hazard warning lights on the vehicle roof



Drop and Pick Van with three individually programmable Modules



Remote control in the driver's cab and scissor lift

Technical data

Total length	7103 mm (with 3 modules)
Total width	1500 mm (without modules)
	1445 mm
	4650 mm
	1900 kg (front)
	3100 kg (rear)
	3100 kg
Empty weight depending on model	

Drop & Pick Van

Traffic safety vehicle Drop & Pick Van
(Iveco Daily)

Ref. No.

129 721-001



More information
NIS-02020
To be entered on nissen-germany.com



Premium 800 Batteries

- Antipollution
- Without mercury or cadmium
- High cold resistance



Dimensions (LxWxH)
67 x 98 x 67 mm



Weight
0.45 kg

Premium 800 Batteries

Ref. No.

Dry Cell Battery Premium 800, 6 V, 7 - 9 Ah

155 051



Packaging
Premium 800: 20 pcs/carton - 1600 pcs/pallet
also available in other quantities



More information
NIS-00744
To be entered on nissen-germany.com

Konstant Batteries

- Constant discharge, therefore steady brightness of the warning lamps
- Exceptionally long operating times
- Cold resistant down to - 25° C
- Free of cadmium and mercury



Dimensions (LxWxH)
Konstant 25: 67 x 98 x 67 mm



Dimensions (LxWxH)
Konstant 45: 67 x 98 x 67 mm



Dimensions (LxWxH)
Konstant 60: 160 x 75 x 130 mm



Dimensions (LxWxH)
Konstant 111: 160 x 75 x 130 mm



Weight
Konstant 25: 0.53 kg



Weight
Konstant 45: 0.68 kg



Weight
Konstant 60: 1.14 kg



Weight
Konstant 111: 1.43 kg

Konstant Batteries

Ref. No.

Battery Konstant 25, 6 V, 25-28 Ah

155 054

Battery Konstant 45, 6 V, 45-50 Ah

155 056

Battery Konstant 60, 6 V, 60 Ah

155 057

Battery Konstant 111, 6 V, 120 Ah

155 065



Konstant 111 in base plate



Packaging
Konstant 25 / Konstant 45: 12 pcs/carton - 1152 pcs/pallet
Konstant 60: 10 pcs/carton - 540 batteries on one pallet
Konstant 111: 10 batteries in one carton - 540 pcs/pallet
also available in other quantities



More information
NIS-00773
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Disclaimer

This information is subject to technical changes and errors. Pictures can differ from the original product or accessories. All details are approximate. We supply all products without batteries or rechargeable batteries.

Important:

All products may only be installed and operated by trained personnel. Instructions for use, installation instructions and the relevant regulations must be observed strictly.

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