



WE POINT THE WAY

TRAFFIC MANAGEMENT PRODUCTS
2022



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.

KARL-FRIEDRICH FANDRICH

*Member of the Supervisory Board
and Shareholder*

JAN VOGT

*Managing Director
(Commercial)*

DIETER WADE

*Chairman of the
Supervisory Board
and Shareholder*

KAI FREUND

*Managing Director
(Technical)*



**WE PROVIDE
THE SOLUTION**



TABLE OF CONTENTS

Milestones for Safe Mobility	6
High-tech for every requirement	8
Quality guaranteed through our own production	10
High Quality is our standard	12
Safety Lamps	14
Sequential Lights	20
Light Arrows	23
High Intensity Lamps	25
Portable Signals	28
Safety Barriers	30
Folding Signs	31
VarioSign LED VMS	32
Remote Controls	41
Batteries	44
Imprint	46

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.



BS EN 12352

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



BS EN 12966

All VarioSign LED traffic signs comply with the requirements set out in European Standard BS 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 modern

This digital data interface let you control and monitor our warning trailer up to safety standards, regardless of your location. In addition, the NiBus modem can also be used to integrate systems into common construction site management systems



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 BS 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, 6V, 25 – 28 Ah
Battery Konstant 45, 6V, 45–50 Ah

155 051
155 054
155 056

Operating time with one battery set

With battery Premium 800
With battery Konstant 25
With battery Konstant 45

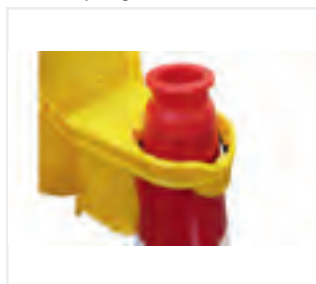
400h
950h
1400h



ConiLamp magenta



Battery change



Integrated cone bracket



ConiLamps in use



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

SignLite LED

- Lamp for illuminating works signs
- High intensity lamp with super white LED
- 180 mm dia polycarbonate lens
- Automatic solar switch
- Long operating times
- Clear front lens; black rear casing
- BS 3143 and EN 12352 compliant



 Light source LED	 Light colour white	 Eff. light intensity 1500 cd	 Max. light intensity 2200 cd
 Dimensions (HxWxD) 340 x 185 x 120 mm	 Weight 0.5 kg	 Operating voltage 6V	

SignLite LED	Ref. No.
SignLite, 1 Super LED white c/w cone bracket	111 601-62
Accessories and Spare parts	Ref. No.
NiKo key	070 090-1
Bracket for mounting the MonoLight / SignLite on traffic cones	292 032-3
Dry Cell Battery Premium 800, 6V, 7 Ah – 9 Ah	155 051
Operating time with one battery set	
With battery Premium 800	150 hrs



SignLite



NiKo key



SignLite in use



Battery Premium 800



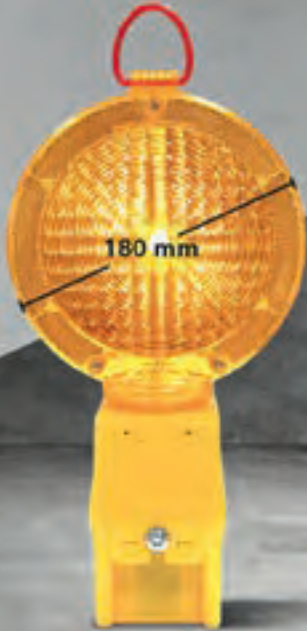
Packaging
12 pcs in one carton / 240 pcs on one pallet
also available in other quantities



More information
[NIS-01959](#)
To be entered on [nissen-germany.com](#)

MonoLight LED

- Only one battery needed
- Automatic solar switch
- 180 mm dia polycarbonate lens
- Robust locking of battery compartment
- Continuous/ flashing mode
- High quality LEDs with nearly unlimited life time
- BS 3143 pt 2 and EN 12352 compliant



 Light source LED	 Light colour red, amber	 Eff. light intensity 15 cd	 Flash rate 60-70 fl./min.
 Weight 0.5 kg	Dimensions (HxWxD) 340 x 120 x 185 mm without bracket	 Operating voltage 6V	

MonoLight LED	Ref. No.
Amber MonoLight c/w attached plastic cone bracket	111 602-60
MonoLight LED, flashing/steady light, two-sided red, with bracket	111 602-53
Accessories and Spare parts	Ref. No.
NiKo key	070 090-1
NiKo bracket for mounting the MonoLight on barriers	365 519
Bracket for mounting the MonoLight / SignLite on traffic cones	292 032-3
Dry Cell Battery Premium 800, 6V, 7 Ah – 9 Ah	155 051
Battery Konstant 25, 6V, 25 – 28 Ah	155 054



Red MonoLight



Battery change



Niko-Key



Metal bracket

Operating time with one battery set

With battery Premium 800	steady light 300 hrs / flashing light 1200 hrs
With battery Konstant 25	steady light 950 hrs/ flashing light 3800 hrs



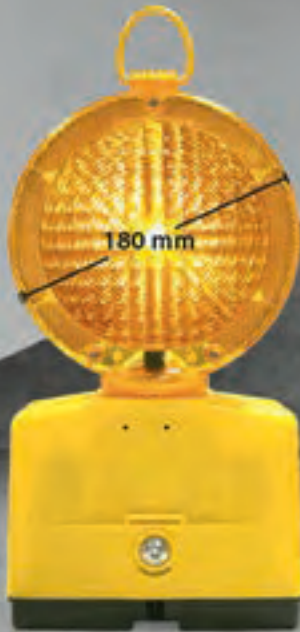
Packaging
12 pcs in one carton / 240 pcs on one pallet (amber MonoLight)
20 pcs in one carton / 400 pcs on one pallet (red MonoLight)









More information
[NIS-02042](#)
To be entered on [nissen-germany.com](#)

Nitra LED

- Available with firmly mounted bracket or without bracket available
- Easy battery replacement without removing the lamp
- Use on folding triangles without additional holder
- Useful ring for carrying or rapid attachment
- Automatic solar switch
- With reflective rim



 Light colour amber, red	 Eff. light intensity 15 cd	 Blink-/flash rate 60-70 fl./min.	 Light source 1 resp. 2 LED
 Dimensions (LxWxH) 185 x 90 x 350 mm	 Weight 0.6 kg		



Nitra LED on folding traffic sign




NiKo key



Nitra LED with bracket

Nitra LED	Ref. No.
Nitra LED, flashing/steady light, two-sided amber, with bracket	111 520-51
Nitra LED, flashing/steady light, two-sided red, with bracket	111 520-53
Nitra LED, flashing/steady light, two-sided amber, without bracket	111 520-1
Nitra LED, flashing/steady light, two-sided red, without bracket	111 520-3
Accessories and Spare parts	Ref. No.
NiKo key	070 090-1
Pulser LED, two-sided amber	358 070-1
Pulser LED, two-sided red	358 070-3

Operating time with one battery set	
With battery Premium 800	steady light 850 hrs flashing light 3400 hrs
With battery Konstant 45	steady light 2400 hrs flashing light 9000 hrs







 **Packaging**
12 pcs in one carton / 240 pcs on one pallet
also available in other quantities

 **More information**
NIS-00189
To be entered on nissen-germany.com

Star-Flash LED 610

- High flash intensity at day and night, effective especially at poor sight
- Switching on by external, rain-protected switch
- Use on folding traffic signs without additional adapter or on traffic cones with adapter
- Attachment to tubes and barriers by theft-proof NiKo bracket (accessory)



 Light colour amber	 Eff. light intensity 330 cd	 Blink-/flash rate 60 fl./min.	 Light source 1 resp. 2 LED
 Dimensions (LxWxH) 370 x 205 x 95 mm	 Weight 0.7 kg		

Star-Flash LED 610	Ref. No.
Star-Flash LED 610, one-sided amber	130 522-51
Star-Flash LED 610, two-sided amber	130 523-51
Accessories and Spare parts	Ref. No.
NiKo key	070 090-1
Adapter for using the Nitra, Euro-Nitra, Star-Flash and City Flash on traffic cones	081 736-1
NiKo bracket for attachment to vertical tubes	365 516-1
Set consisting of: 10 NiKo brackets 365 516-1 and 1 NiKo key 70 090-1	365 516-2
NiKo bracket for attachment to steel barrier frames	365 517-1
Set consisting of: 10 NiKo brackets 365 517-1 and 1 NiKo key 70 090-1	365 517-2
Operating time with one battery set	
With battery Premium 800	one-sided 900 hrs two-sided 450 hrs
With battery Konstant 45	one-sided 3000 hrs two-sided 1500 hrs



Lamp with NiKo bracket



Adapter for traffic cones



Packaging
12 pcs in one carton / 240 pcs on one pallet
also available in other quantities









More information
NIS-01073
To be entered on nissan-germany.com



TaperLamp 626-C

- Can be used as a single luminaire or sequential light system
- Stable infrared synchronization
- Back lit lamp 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



TaperLamp in use



Battery change



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



Eff. light intensity
500 cd



Aperture angle
horizontal / vertical 15°



Operating voltage
10 - 30 V DC



Operation time
ca. 16 hrs

Dimensions (HxWxD)
LED stud
25 x 100 x 90 mm

Dimensions (HxWxD)
transport and storage case
125 x 260 x 160 mm



Weight
2.5 kg

Synchros

Amber Synchros

Ref. No.

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

Twin Synchros - amber kit

141 061-1-10

Twin Synchros - blue kit

141 062-1-10

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



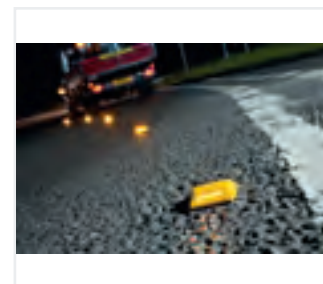
Synchros stud



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 number 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



Light colour
amber



Eff. light intensity day / night
500 cd / 250 cd



Blink-/flash rate
60 fl./min.



Light source
1 resp. 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 Type 620/627, single, without supply cable	129 090-001-00
Transport and charging cradle 12/24 V for Star-Flash LED Type 620/627, single, with 2 m supply cable and 2-pole vehicle plug	129 090-001-01
Transport and charging cradle 12/24 V for Star-Flash LED Type 620/627, 4-fold, with 2 m supply cable and 2-pole vehicle plug	129 090-004-01
Lithium-Ferro rechargeable battery pack 6,5 V, 1500 mAh for Star Flash 620A/627A	056 056-2
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
Adapter for using the Nitra, Euro-Nitra, Star-Flash and City Flash on traffic cones	081 736-1



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

Test number
V4-25-2012

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 EN compliant; authorised by DFT
- Visible over a long distance



Light source
LED



Dimensions (LxWxH)
1070 x 1070 x 280 mm



Weight
38 kg



Light colour
amber

Av. power consumption

12 V: 1 A / 0.3 A;
24 V: 0.5 A / 0.3 A



Operating voltage
12 V / 24 V

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 with Zyklop 340 mm lamps



LP 13 Horizontal lift version



LP 13 Vertical lift version



More information

NIS-02027

To be entered on nissen-germany.com

LED Light Arrow LP 8000

- Specifically designed for IPVs & 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
- Consists of 25 x 220 mm dia ultra bright light arrow lamps
- 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



Light colour
amber



Dimensions (WxH)
2220 x 1720 mm



Eff. light intensity day / night
0.7 A / 0.5 A



Operating voltage
24 V



Weight
100 kg

LED Light Arrow LP 8000

Ref. No.

LP8025 NiBus Light Arrow, NiBus, complete with 25 Zyklop L8H lamps, 2-fold LED 340 L9M lamps c/w 20m cable remote

NUK-000002-Z

Vertical lift system with LP8025 NiBus Light Arrow, NiBus, complete with 25 Zyklop L8H lamps, 2-fold LED 340 L9M lamps c/w 20m cable remote

NUK-000002-Z-VL

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



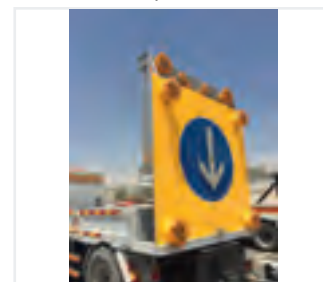
LP8000



LP8000 - stowed position



Standard cable remote



LP8000 Slider



More information

NIS-01992

To be entered on nissen-germany.com

Twofold Zyklop 220 LED L8H lamps

- Energy-efficient design with only one LED
- Automatic day/night adaptation, switchable to solar switch
- Approved according to EMC directive
- Authorised by DfT for use on light arrows
- BS EN and Chapter 8 compliant



Light colour
yellow



Eff. light intensity
1500 cd



Av. power consumpt. day
0.28 A



Operating voltage
12/24 V



Blink-/flash rate
60 fl./min.



Light source
1 LED



Weight
1.2 kg/set

Twofold Zyklop 220 LED L8H lamps

Ref. No.

Twofold Warning Light System Zyklop 220 LED L8H

122 222-1

Type 671/1 NiBus, 12/24 V, with 5 m connecting cable with battery clips

Zyklop LED 220 L8H, Slave lamp, 12/24 V, with 3 m connecting cable

122 220-1-03

Advance Warning Lamp Zyklop LED 220 L8H, 12/24 V, with 5 m connecting cable with battery clips, without bracket, multiple systems also available

122 221-1-02

Accessories and Spare parts

Ref. No.

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

190 230-1

Bracket for tubes up to 82 mm

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

10000 hrs



Twofold warning system Zyklop 220



LP13 in use



LP8000



Standard cable remote



More information

NIS-03304

To be entered on nissen-germany.com

Zyklop 340 LED L9M lamps

- Energy-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
- Approved according to EMC directive



Light colour
yellow



Eff. light intensity day
20000 cd



Av. power consumpt. day
0.5 A



Operating voltage
12/24 V



Blink-/flash rate
60 fl./min.



Light source
1 LED



Dimensions
Ø 350 mm / height: 96 mm



Weight
2.5 kg/set

Zyklop 340 LED L9M lamps

Ref. No.

340 mm L9M LED Zyklop 4-fold lamps

122 324-011

340 mm L9M LED Zyklop 2-fold lamps

122 322-021

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



Eco remote II



Standard cable remote



More information

NIS-02117

To be entered on nissen-germany.com



Traffic Light System LZA 500-UK LED

- "Rugged" and "compact" design with intelligent German technology
- AMOS (Automatic Man on Site) alleviates the need for costly man on site operation
- Auto restart in case of comms failure
- Very compact; a 4-way fits into a small van
- Folding heads: The tallest portable lights in the UK
- Each LZA 500-UK can run as a master or a slave
- Multiple phases with multiple heads
- Can be wireless or cable linked
- Industry leading run times
- TOPAS registered



Light colour
red, amber, green



Av. power consumption
0.4 A



Operating voltage
12V

Dimensions (WxH)
2710 x 602 mm (operational)
1728 x 602 mm (folded)

Traffic Light System LZA 500-UK LED

Ref. No.

LZA 500-UK Traffic Light, set

145 566-001

Accessories and Spare parts

Ref. No.

Key

070 090-3

Battery Box

245 336-001

Battery Box handle

245 336-099

Radarsensor

270 125-1

Operating time with one battery set

With rechargeable battery 12V, 180 Ah

360 hrs

With rechargeable battery 12V, 230 Ah

460 hrs



LZA 500-LED operational



LZA 500-LED folded



LZA 500-LED Controller



LZA 500-LED Battery box with handle

Pedestrian Light System

LZA 500-PED

- "Rugged" and "compact" German design and build quality
- Longer operating times due to low power consumption
- Easily transportable
- Super lightweight and environmentally friendly
- Uses latest Bluetooth technology
- Request on demand
- Tactile cone device as optional extra
- TOPAS registered



Light colour
red, green



Av. power consumption
0.33 A



Operating voltage
12 V

Dimensions (WxH)
2858 x 600 mm (operational)
1705 x 600 mm (folded)

Pedestrian Light System LZA 500-PED	Ref. No.
LZA 500-PED, set	145 567-001
Accessories and Spare parts	Ref. No.
Key	070 090-3
Battery Box	245 336-001
Battery Box handle	245 336-099
Operating time with one battery set	
With rechargeable battery 12 V, 180 Ah	430 hrs
With rechargeable battery 12 V, 230 Ah	550 hrs



LZA 500-PED operational



LZA 500-PED folded



LZA 500-PED Push button



LZA 500-PED Battery box with handle



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 1110 mm



Weight
13 kg

Mobile Plastic Safety Barrier Pro-S

Ref. No.

Mobile Plastic Safety Barrier Pro-S, one-sided
foil type RA1 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

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
- Sturdy tripod, fully galvanized steel
- 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

TrioSign 60 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

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_
Central weight 1.5 kg, incl. splint, for folding signs TrioSign 60 and 70	071 425-060-01
Central weight 1.8 kg, incl. splint, for folding sign TrioSign 90	071 425-090-01
Central weight 2.5 kg, incl. splint, for folding sign TrioSign 110	071 425-110-01

Ref. No.



More information

NIS-01842

To be entered on nissen-germany.com

LED Variable Message Sign

WeNiPol II



PROFILE FRAME

- 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 - subject to local laws
- Good recognition of signs from almost every perspective and even from long distances
- Quick selection of signs
- Ready-to-use system
- Photometrics certified in compliance with EN 12966
- Pitch dimension 20 mm
- Up to four LED colours per matrix board; RGB version also available
- Premium quality light-emitting diodes with a long service life
- Continuous brightness adjustment, automatic or manual
- Dimensions:
 - St version: 822 x 822 x 100 mm
 - St+ version: 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
- Warning lights
- Integrated amber or blue LED advance warning flashers
- GPS speed sensor
- Holder for revolving beacons
- Software for free programming
- Battery guard for protection of electronics
- Programming device
- Interference suppression

Typical applications

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



WeNiPol II St+



WeNiPol II

Technical data

Weight
Weight

St version: 50 kg
St+ Version: 65 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
WeNiPol II ProLine ST+ 12/24 V, red/white/amber fully assembled	129 503-003-02



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

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 registered

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

ROTTMS VMS Systems



OVERVIEW

- Following extensive trials, Nissen VarioSign is authorised by the DfT
- Equipped with sign lifting eyes as standard for ease of installation and removal
- Automatic legend display sequence according to UK TSRGD and HE Chapter 8 (e.g. 1 mile, 800, 600, 400, 200 yards)
- Available with standard Highways England programmable ECP plug mounted on the post for location (e.g. 1 mile)
- Bespoke software with high security prevents conflicting aspects being displayed in the same group of signs
- Automatic fault reporting (SMS & email)
- Automatic data logging (user, time, display message, etc)
- UTM compliant
- Crash safe inertia switch
- Lightning protection unit (LPU)
- Minimal power consumption due to optimised electronics
- Sign status LED indicators
- Approvals include: TOPAS, CE, EN 12966; TR2603 compliant, DfT Signs Authorisation, code of connection in accordance with MCH 1514, EMC as per BS EN 50293

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 panel (classic)
- Separate control housing on the rear side to provide easy maintenance access

LED DISPLAY

- 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

TYPICAL APPLICATIONS

- Smart motorways
- Traffic management
- Signposting for works
- Information display



Technical data

Dimensions (WxH)	Standard 12B Sign\n(5x4k-420): 2100 x 1680 mm
Dimensions (WxH)	Narrow 9(5) Sign\n(3x4k-420): 1260 x 1680 mm
Light colour	red, white

ROTTMS VMS Systems

	Ref. No.
Narrow 9(5) sign VarioSign 3x4k - 420 red/white (with special configuration)	229 291-34-103
Standard 12B sign VarioSign 5x4k - 420 red/white (with special configuration)	229 291-54-113



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





Touch Remote Colour

- Large 5.7" full colour touch screen display with Automatic day/night adaptation
- multicolour LED-status indication (to show up e.g. radio operation, charging status and error signal)
- Combined cable/radio remote control
- Operation of the most important features via keypad
- Favourite combinations freely programmable via touch screen
- Functions keys freely programmable
- Useable for all Nissen systems
- max. 12 radio connections storable



Dimensions (LxWxH)
211 x 141 x 39 mm



Weight
680 g

Touch Remote Colour

Ref. No.

Touch Remote Colour
radio/cable remote control (bluetooth) with touch screen
and illuminated keypad (without cable)

329 236-1

Accessories and Spare parts

Ref. No.

Charging tray for remote control Touch-Remote Colour without cable function,
2 m connection cable

329 238-1

Charging tray for remote control Touch-Remote Colour with cable function,
2 m connection cable with 6 pole sleeve plug

329 238-11

Charging tray for remote control Touch-Remote Colour without cable function,
2 m connection cable with vehicle plug

329 238-2

Dashboard bracket

329 238-21

Operating time with one battery set

Lithium-Ferro-Akku. 6000 mAh

Operation time: approx. 12 hrs.

Charging time batteries:

- on charging cradle: approx. 4 hrs.

- with active cable connection: approx. 8 hrs.



Connector dashboard holder



Charging tray with vehicle plug



Touch Remote in the charging tray



6 pole sleeve plug and vehicle plug



More information

NIS-01742

To be entered on nissen-germany.com

Standard and Pro-Remote

- Universal remote control for secure and easy operating also of complex devices via cable connection
- Large operating keys
- Illuminated keypad
- Easily readable large display with additional touch screen function



Dimensions (LxWxH)
215 x 130 x 45 mm

Weight

Standard-Remote: 480 g
Pro-Remote: 700 g

Standard and Pro-Remote

Ref. No.

Pro-Remote II radio/cable remote control - Bluetooth
touchscreen (without cable)

329 231-12

Standard-Remote cable remote control
touchscreen (without cable)

329 232-2

Accessories and Spare parts

Ref. No.

Holder and charging cradle for radio remote control Pro-Remote

329 230-1

Holder and charging cradle for radio remote control Pro-Remote

329 230-11

90 – 264 V AC version including adapter useable for EU, US, UK and AU

Holder and charging cradle for radio remote control Pro-Remote
with 2 pin vehicle plug

329 230-12

Holder for cable remote control Standard-Remote

329 230-2

Dashboard holder with ball joint arm for remote controls for mounting at holders

329 230-21



Standard-Remote



Pro-Remote



Holder and charging cradle



Holder and charging cradle with dashboard holder



More information

NIS-01785

To be entered on nissen-germany.com

Eco and Radio-Remote

- Compact remote control for secure and easy operating of devices via cable connection
- Large operating keys
- Illuminated keypad
- Low weight
- LCD-Display for indication of the most important functions



Dimensions (LxWxH)
175 x 80 x 31 mm

Weight
Eco-Remote: 170 g
Radio-Remote: 250 g

Eco and Radio-Remote

- | | |
|--|-----------|
| Eco-Remote II cable remote control (without cable) | 329 233-3 |
| Radio Remote II – Radio remote control | 329 235-2 |

Ref. No.

Accessories and Spare parts

- | | |
|---------------------------------------|-----------|
| Bracket plate for Eco-Remote | 070 816-1 |
| Bracket for mounting at the dashboard | 070 816-2 |
| Charging cable Radio-Remote | 400 235-9 |

Ref. No.



Remote Control Eco-Remote II



Remote Control Radio-Remote



More information
NIS-01784
To be entered on nissan-germany.com

Premium Batteries

- Antipollution
- Without mercury or cadmium
- High cold resistance



Dimensions (LxWxH)
67 x 98 x 67 mm

Weight
Premium 800: 0.45 kg
Premium 2500: 0.9 kg

Premium Batteries

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

Ref. No.

155 051



Packaging
Premium 800: 20 pcs/carton – 1600 pcs/pallet
Premium 2500: 15 pcs/carton – 990 pcs/pallet
also available in other quantities











More information
[NIS-02230](#)
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

**More information**

NIS-00773
To be entered on nissen-germany.com



Imprint

Edition June 2022

Publisher

Adolf Nissen Elektrobau GmbH + Co. KG,
Friedrichstädter Chaussee 4, 25832 Tönning

Concept and design

mlv werbung GmbH, Hamburg

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.

© Adolf Nissen Elektrobau GmbH + Co. KG 2022





Nissen UK Limited

239-241 Kennington Lane
London, SE11 5QU

nissen-uk.com
nissen-middleeast.com
nissen-germany.com
info@nissen-uk.com