



made in brilliance



PRODUCT CATALOGUE

Emergency lighting and information signs with extreme brilliance and sharpness!



Ledocircle

- Reliable
- Stylish design
- Low operating costs



LEDOLIGHT SWEDEN AB

Ledolight Sweden AB from Alingsås was founded in 2003 and sprung from a patented technology. Today, the company works internationally with the development, manufacturing and marketing of products based on laser technology, LEDs and optics.

Ledolight has won design and technology awards and today is a market-leading Swedish manufacturer and developer of energy-efficient emergency lighting. The patented technology can also be used as a substitute for Neon, for example. The vision in the near future is to offer product development services, licences and a franchise concept in a global market.

Ledolight works according to the classical Swedish watchwords of quality, functionality and design. Quality, by working with the leading suppliers of light diodes, laser, acrylics and electronics. Functionality, as part of our installation support and service during the product's lifetime. Design, by giving customers a positive impression and ensuring a unique image for Ledolight as a company. We are proud that this has been acknowledged with several awards.

Ledolight targets the illumination industry. We support electrical consultants, installation technicians and electrical wholesalers in achieving competitive solutions for their customers. Please do not hesitate to contact us! We will answer all your questions to the best of our ability!

Ledolight Sweden AB – Swedish-manufactured with Swedish quality and Swedish design, in accordance with EU and Swedish laws and standards!



Ledosafe – emergency lighting

Ledosafe is the new generation of emergency lighting. The Swedish approach to quality, functionality and design are the basis for products that always lead the way out.



Ledogram – information signs

Ledogram products are information signs that transform necessary information into sources of interior design. Developed to provide a distinct, yet discreet impression through their stylish design.



Ledesign – customer-specific products

Ledesign products are developed and manufactured according to the customer's specific design and application needs. Our laser technology produces a strong and even light distribution in a product with enhanced contrast and attention to detail.

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- Readability, brilliance and even light distribution
- Easy and flexible mounting
- Stylish design
- Reliable and maintenance-free

EMERGENCY LIGHTING

– Enhanced visibility from a distance

Together with the lighting's sober design, its brilliance ensures a product that becomes an architectural design resource in any environment.

The pictogram incorporates Ledosafe's patented technology and the light diodes create the characteristic luminosity and high readability. The electrical unit is equipped with sophisticated electronics, with self-testing and fault indication.

Ledosafe provides a complete range of emergency evacuation lighting and accessories. The product is divided into two units: Pictogram and Power Unit, interconnected via a flexible mounting system for easy wall or ceiling installation.

Ledolight works to achieve innovative, high-quality emergency evacuation products, and to be the obvious alternative when it comes to showing the way out.

Ledosafe – reliable and stylish.



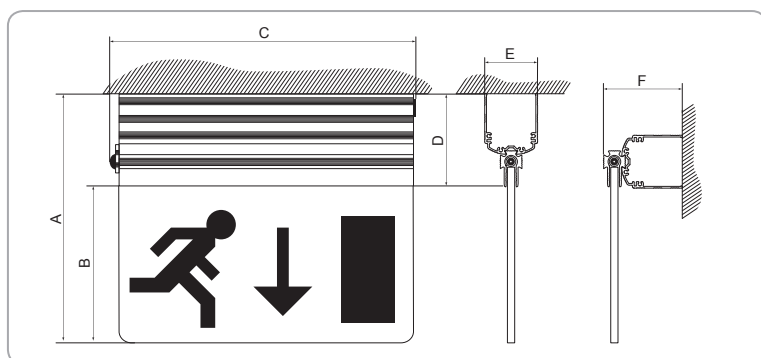
Technical specifications

Electrical unit

	Decentralised	Centralised
Material	Steel/Aluminium	Steel/Aluminium
Voltage	220-240 V AC 50-60 Hz	220-240 V AC 50-60 Hz
Battery	NiMh 4.8 V High Temp 1150 mAh	Central
Backup time	> 3h	See Specification of the manufacture of the central processing unit
Self-testing	Indication via light diode. Test of battery and light diodes 1 min/week, 1 hour/month, 3 hours/sixth month	Indication via light diode. Only test of light diodes
Monitoring	PUXX-PF: Potential-free/NC DALI	PUXX-CEN-PF: Potential-free/NC
Adjustment of light strength	Standard – 100 %, adjustable to 75/50/25 % of standard value, on emergency operation 100 %	Standard – 100 %, adjustable to 75/50/25 % of standard value, on emergency operation the level set on installation is maintained
Protection class	IP40	IP40
Energy consumption	1.9 - 5.3 W	1.7 - 4.8 W
Standards	EN1838 EN60598-2-22 EN62034 EN50171	EN1838 EN60598-2-22 EN62034 EN50171
Assembly	Ceiling, wall and pendle	Ceiling, wall and pendle
Accessories	Recess frame, ceiling pendle, bracket and sabotage protection	Recess frame, ceiling pendle, bracket and sabotage protection

Pictogram


Material	6mm acrylic
Standards	EN 1838 ISO 3864
Voltage	6 V
Light transmission	92 %
Luminosity	Green – above 10 cd/m ² White – above 100 cd/m ²
Light source	Light-emitting diodes (LEDs) LSS15 4 LEDs LSD15 7 LEDs LSS25 9 LEDs LSD25 14 LEDs LSD35 19 LEDs LSS35 15 LEDs
Reading distance	15 / 25 / 35 metres



Model	A	B	C	D	E	F
15 m	182	100	171	80	45	67
25 m	212	130	261	80	45	67
35 m	257	175	336	80	45	67



Order key Complete lighting = electrical unit + LED sign

Designation	Type no.
ELECTRICAL UNIT 15M	PU15
ELECTRICAL UNIT 25M	PU25
ELECTRICAL UNIT 35M	PU35
ELECTRICAL UNIT 15M – DALI	PU15-DALI
ELECTRICAL UNIT 25M – DALI	PU25-DALI
ELECTRICAL UNIT 35M – DALI	PU35-DALI
ELECTRICAL UNIT 15M – POT-FREE	PU15-PF
ELECTRICAL UNIT 25M – POT-FREE	PU25-PF
ELECTRICAL UNIT 35M – POT-FREE	PU35-PF
ELECTRICAL UNIT 15M – CEN-POT-FREE	PU15-CEN-PF
ELECTRICAL UNIT 25M – CEN-POT-FREE	PU25-CEN-PF
ELECTRICAL UNIT 35M – CEN-POT-FREE	PU35-CEN-PF
LED SIGN 15M ARROW LEFT	LSS15-3
LED SIGN 15M ARROW DOWN	LSS15-4
LED SIGN 15M ARROW RIGHT	LSS15-5
LED SIGN 15M ARROW UP	LSS15-6
LED SIGN 15M ARROW LEFT	 LSS15-3-R
LED SIGN 15M ARROW DOWN	 LSS15-4-R
LED SIGN 15M ARROW RIGHT	 LSS15-5-R
LED SIGN 15M ARROW UP	 LSS15-6-R
LED SIGN 15M DOUBLE L/R	LSD15-3
LED SIGN 15M DOUBLE DOWN	LSD15-4
LED SIGN 15M DOUBLE L/R	 LSD15-3-R
LED SIGN 15M DOUBLE ARROW DOWN	 LSD15-4-R
LED SIGN 15M DOUBLE ARROW UP	 LSD15-6-R
LED SIGN 25M ARROW LEFT	LSS25-3

Designation	Type no.
LED SIGN 25M ARROW DOWN	LSS25-4
LED SIGN 25M ARROW RIGHT	LSS25-5
LED SIGN 25M ARROW UP	LSS25-6
LED SIGN 25M ARROW LEFT	 LSS25-3-R
LED SIGN 25M ARROW DOWN	 LSS25-4-R
LED SIGN 25M ARROW RIGHT	 LSS25-5-R
LED SIGN 25M ARROW UP	 LSS25-6-R
LED SIGN 25M DOUBLE L/R	LSD25-3
LED SIGN 25M DOUBLE DOWN	LSD25-4
LED SIGN 25M DOUBLE L/R	 LSD25-3-R
LED SIGN 25M DOUBLE ARROW DOWN	 LSD25-4-R
LED SIGN 25M DOUBLE ARROW UP	 LSD25-6-R
LED SIGN 35M ARROW LEFT	LSS35-3
LED SIGN 35M ARROW DOWN	LSS35-4
LED SIGN 35M ARROW RIGHT	LSS35-5
LED SIGN 35M ARROW UP	LSS35-6
LED SIGN 35M ARROW LEFT	 LSS35-3-R
LED SIGN 35M ARROW DOWN	 LSS35-4-R
LED SIGN 35M ARROW RIGHT	 LSS35-5-R
LED SIGN 35M ARROW UP	 LSS35-6-R
LED SIGN 35M DOUBLE L/R	LSD35-3
LED SIGN 35M DOUBLE ARROW DOWN	LSD35-4
LED SIGN 35M DOUBLE ARROW UP	LSD35-6
LED SIGN 35M DOUBLE ARROW L/R	 LSD35-3-R
LED SIGN 35M DOUBLE ARROW UP	 LSD35-6-R
LED SIGN 35M DOUBLE ARROW DOWN	 LSD35-4-R



Accessories



Ceiling pendle
Aluminium 800 mm.
Matches all sizes.



Bracket for flag assembly
Bracket for flag assembly
matches electrical unit
PU15/25/35



Mounting set, inner ceiling
Matches electrical unit
PU15/25/35



Sabotage/ball protection
For complete fitting Electrical
unit + pictogram. PU15/25/35



External door leaf illumination
Matches all models. For simple
retrofitting PU15/25/35



Batteries
NiMH 4.8V 1150 mA for Ledosafe
manufactured after 2008-01
NiMH 11V manufactured before
2008-01

LEDOGUARD - reliable monitoring

Ledoguard is a relay module for simple monitoring with 4 or 8 outputs. Up to 6 units can be connected to each output. This means that 48 units can be monitored in a very cost-effective and simple way. Commissioning and monitoring Ledoguard does not require any special skills. Examples of users are retirement homes, schools and offices.

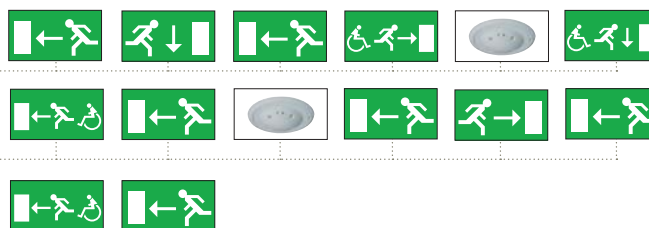
Order key

Designation	Type no.
CEILING PENDLE 800MM	LL001
BRACKET ELECTRICAL UNIT 15M	LL013-15
BRACKET ELECTRICAL UNIT 25M	LL013
BRACKET ELECTRICAL UNIT 35M	LL013-35
MOUNTING SET INNER CEILING 15M	LL014-15
MOUNTING SET INNER CEILING 25M	LL014
MOUNTING SET INNER CEILING 35M	LL014-35
SABOTAGE/BALL PROTECTION 15M	LL015-15
SABOTAGE/BALL PROTECTION 25M	LL015
SABOTAGE/BALL PROTECTION 35M	LL015-35
BATTERY NIMH 4.8 V 1150 mAh after 2008-01	LL048
BATTERY NIMH 4.8 V 1150 mAh before 2008-01	LL049
EXTERNAL DOOR LEAF ILLUMINATION 15/25/35M	LSEDB-001



Order key

Designation	Type no.
MONITORING (LEDOGUARD) 4 OUTPUTS	LSLG-001
MONITORING (LEDOGUARD) 8 OUTPUTS	LSLG-002



The relay module is available with 4 or 8 outputs.
Max 6 units per output.



Ledobasic – complete package

A simpler budget model of a high standard.

The package contains the following:

- 4 different pictograms:
Arrow left, right, down + blank
- Mounting rail for
wall/ceiling/flag mounting
(can also be wire hung)



LB25-002 Complete with all accessories
(Wheelchair)



LB25-001 Complete with all accessories

LEDOBASIC COMPLETE – fits the budget!

Ledobasic emergency evacuation lighting is developed and manufactured in accordance with the European standard. A long service life, low energy consumption and low maintenance requirement make Ledobasic a cost-effective investment.


Ledobasic's technology is based on LEDs, to ensure high readability. The electrical unit is equipped with sophisticated electronics. Self-testing is a matter of course.

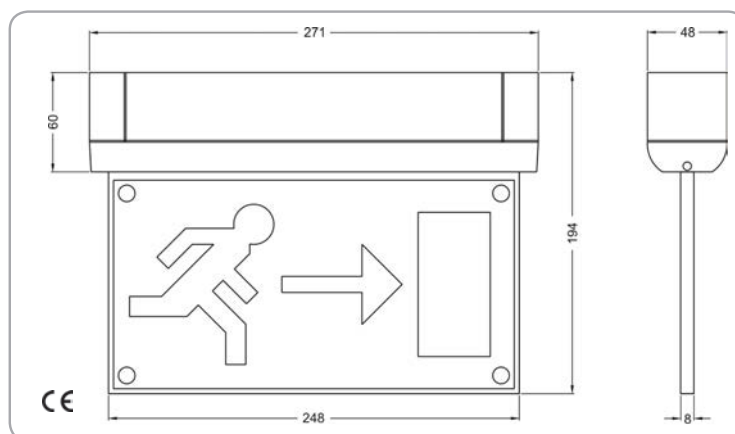
- Delivered complete and ready for any installation variants (ceiling, wall and flag mounting). Can also be wire hung.

Technical specification

Material	Polypropylene and acrylic
Voltage	220-240 VAC, 50-60 Hz
Battery	NiMh 4.8 V High Temp 1150 mAh
Backup time	3 hour
Protection class	IP40
Energy consumption	2.7 W
Light source	Light-emitting diodes (LED) 9 items
Reading distance	25 metres
Self-testing	Yes

Order key

Designation	Type no.
LEDOBASIC (complete)	LB25-001
LEDOBASIC (complete) 	LB25-002



FIRE SIGNS

– with powerful luminosity

High security due to a very high light quality and powerful luminosity that give extra high readability from a distance. Available with standard pictogram, and can also be ordered with customer-adapted symbols and texts. The flexible assembly system means that the signs match Ledosafe's electrical units.

Also available as Ledogram (see page 12)



Designation	Type no.
LED SIGN FIRE ALARM PICTOGRAM	BTABLA-001
LED SIGN FIRE EXTINGUISHER	BSLACK-001
LED SIGN FIRE HOSE	BSLANG-001

LED-ILLUMINATED SIGN – DEFIBRILLATOR

– when being seen is a matter of life and death!

Ledolight's Defibrillator sign has been developed on the basis of the same technology and standard as our successful and popular Ledosafe emergency lighting, in accordance with the European standard. A long service life, low energy consumption and low maintenance requirement make our product a cost-effective investment.

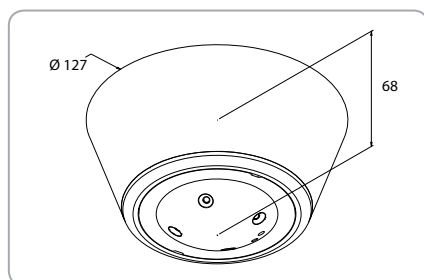
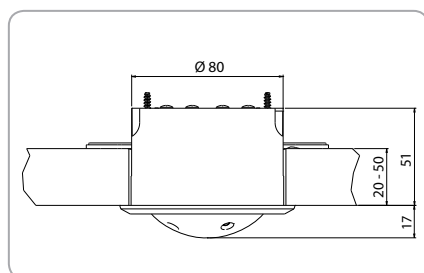
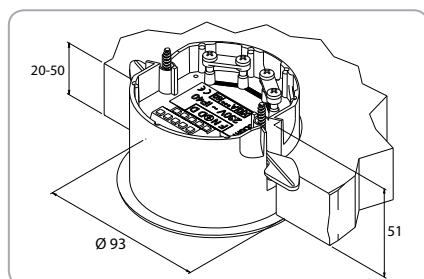
Patented technology within LEDs, lasers and optics makes our defibrillator sign unique. The result is a product with high readability, even light distribution and energy-saving properties. Illuminated surface (h x b): 230 x 170 mm.

Designation	Type no.
LED SIGN DEFIBRILLATOR	HJ-001
LED SIGN AED	HJ-002





- Easy and flexible mounting
- Stylish design
- Reliable and maintenance-free
- Manufactured in accordance with applicable laws and standards



Design framework – proposals for designed fronts

LEDOBRIGHT - emergency illumination

Ledobright is emergency lighting with design and attitude, when you are looking for powerful lighting and the latest technology. Where the wishes of the electrician and interior designer are paramount. Options that capture the interest of architects and interior designers alike, and give them free reign to use colours and shape.

Ledobright represents a cost-effective investment over its long service life, as well as low energy consumption and less need for maintenance.

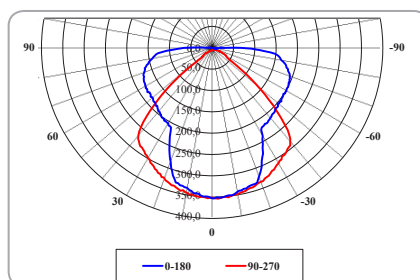
Ledobright is also available with central monitoring via DALI or a relay module.

Ledobright works to achieve innovative, high-quality emergency evacuation products, and to be the obvious alternative when it comes to showing the way out.

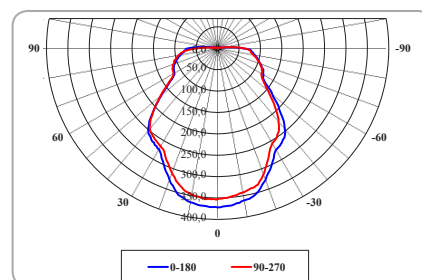
Light data

Open surface without reflection.

For more information get the dialux files at www.ledolight.se



2 LEDs – Light flow: 164 lm



4 LEDs – Light flow: 243 lm

Technical specification



Self-testing	Yes
Light source	LED
Connection	230 Vac
Battery	NiMH 3.6 V
Protection class	IP40
Assembly	Inset, surface mounted

Illumination surface (1 Lux)

Height	2 LEDs	4 LEDs
2.5 m	33 m ²	42 m ²
3.0 m	36 m ²	45 m ²
4.0 m	42 m ²	53 m ²

Ledobright



Order key

Designation		Type No.
EMERGENCY ILLUMINATION (LEDOBRIGHT)	1 LED	LBNB-001
EMERGENCY ILLUMINATION (LEDOBRIGHT)	2 LEDs	LBNB-002
EMERGENCY ILLUMINATION (LEDOBRIGHT)	4 LEDs	LBNB-003
EMERGENCY ILLUMINATION (LEDOBRIGHT) DALI	1 LED	LBNB-D-001
EMERGENCY ILLUMINATION (LEDOBRIGHT) DALI	2 LEDs	LBNB-D-002
EMERGENCY ILLUMINATION (LEDOBRIGHT) DALI	4 LEDs	LBNB-D-004
EMERGENCY ILLUMINATION (LEDOBRIGHT) POT-FREE	1 LED	LBNB-PF-001
EMERGENCY ILLUMINATION (LEDOBRIGHT) POT-FREE	2 LEDs	LBNB-PF-002
EMERGENCY ILLUMINATION (LEDOBRIGHT) POT-FREE	4 LEDs	LBNB-PF-003
DESIGN FRAMEWORK (LEDOBRIGHT)		LBNB-DR-005

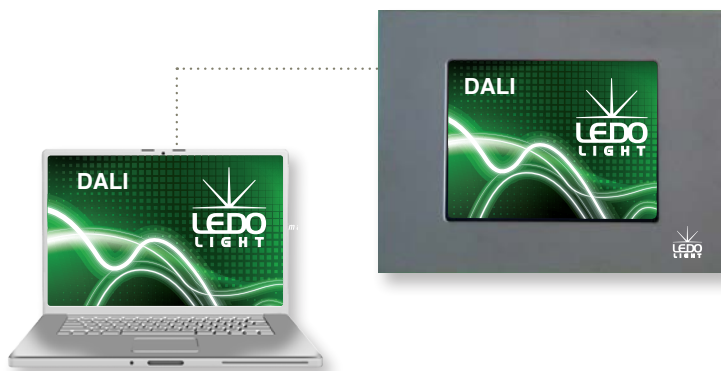


DALI TOUCHPANEL

– control via computer or panel

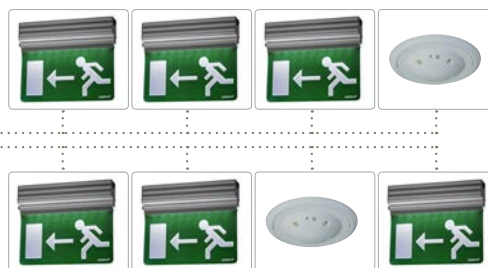
Ledosafe and Ledobright have been integrated with DALI control into a complete system that is controlled via computer or panel.

DALI (Digital Addressable Lighting Interface) is a standardised digital light regulation protocol. The simple structure of the components makes DALI a cost-effective system. In addition, the DALI standard allows DALI components from different manufacturers to be used together in the same DALI installation.



Order key

Designation		Type no.
ELECTRICAL UNIT	15M – DALI	PU15-DALI
ELECTRICAL UNIT	25M – DALI	PU25-DALI
ELECTRICAL UNIT	35M – DALI	PU35-DALI
EMERGENCY ILLUMINATION	1 LED (LEDOBRIGHT) DALI	LBNB-D-001
EMERGENCY ILLUMINATION	2 LEDs (LEDOBRIGHT) DALI	LBNB-D-002
EMERGENCY ILLUMINATION	4 LEDs (LEDOBRIGHT) DALI	LBNB-D-004
DALI TOUCH PANEL 120 (LEDOSAFE/LEDOBRIGHT)		LSDTP-001



There are applications for an optional number of emergency light addresses. Contact Ledolight or any dealer for more information.



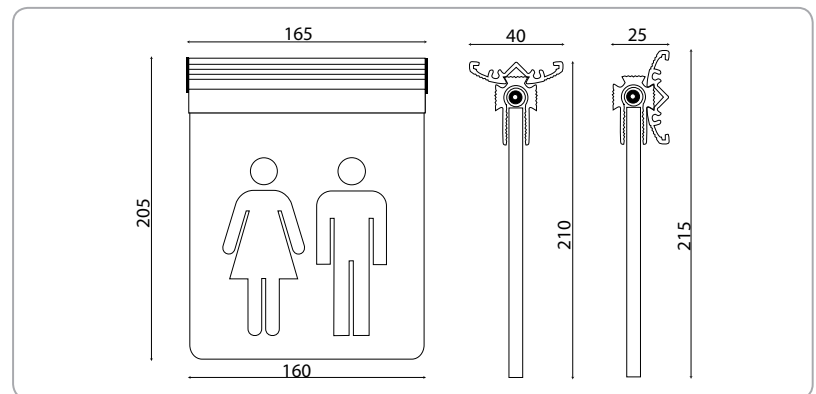
- Stylish design resource
- Distinct yet discreet
- Low energy
- Maintenance free
- Multi-sign systems

LEDOGRAM

– inform with style

Ledogram products are information signs that transform the necessary information into sources of interior design. Developed to provide a distinct yet discreet impression through its stylish design. Laser technology combined with LEDs have made it possible to create information signs that blend into the architecture, without the need for any external lighting.

Ledogram offers the customer a maintenance-free product with a long service life and low power consumption that leads the way in both light and darkness. Ledogram is available with standard pictograms or customised to specific requirements.



Order key

All of the products below are excluding Trafo

Designation	Type no.
SIGN GENTS TOP WHITE	LG101-1-W
SIGN GENTS RIGHT WHITE	LG101-2-W
SIGN LADIES TOP WHITE	LG102-1-W
SIGN LADIES RIGHT WHITE	LG102-2-W
SIGN LADIES/GENTS TOP BLUE	LG103-1-B
SIGN LADIES/GENTS TOP WHITE	LG103-1-W
SIGN LADIES/GENTS RIGHT WHITE	LG103-2-W
SIGN DISABLED TOP WHITE	LG104-1-W
SIGN DISABLED RIGHT WHITE	LG104-2-W
SIGN COCKTAILS TOP BLUE	LG105-1-B
SIGN COCKTAILS TOP WHITE	LG105-1-W
SIGN COCKTAILS RIGHT BLUE	LG105-2-B
SIGN LITTER TOP WHITE	LG106-1-W
SIGN LITTER RIGHT WHITE	LG106-2-W
SIGN DISABLED TOP RED	LG107-1-R
SIGN DISABLED TOP RED	LG107-2-R
SIGN ARROW DOWN TOP WHITE	LG108-1-W
SIGN ARROW DOWN RIGHT WHITE	LG108-2-W
SIGN ARROW RIGHT TOP WHITE	LG109-1-W

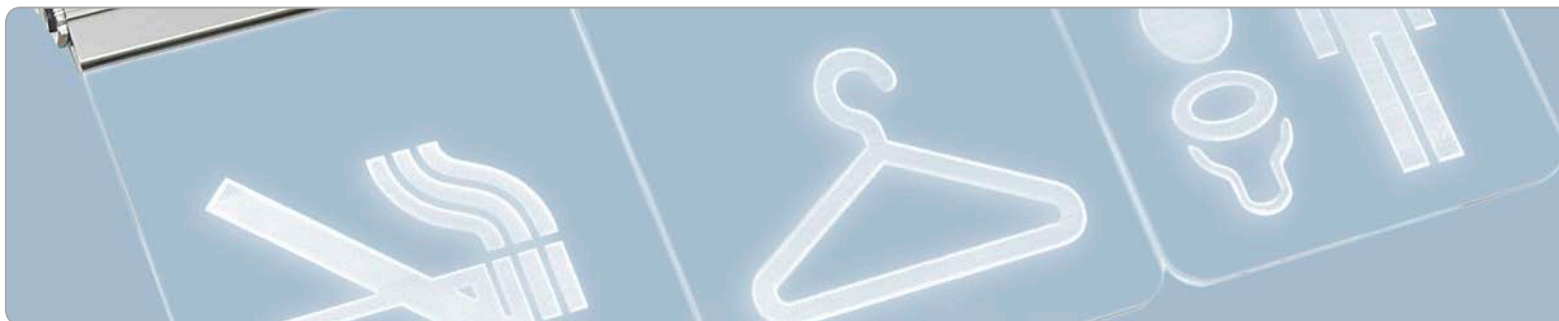
Designation	Type no.
SIGN ARROW RIGHT RIGHT WHITE	LG109-2-W
SIGN ARROW LEFT TOP WHITE	LG110-1-W
SIGN ARROW LEFT RIGHT WHITE	LG110-2-W
SIGN INFO TOP BLUE	LG114-1-B
SIGN INFO TOP WHITE	LG114-1-W
SIGN ESCALATOR TOP WHITE	LG115-1-W
SIGN ESCALATOR RIGHT WHITE	LG115-2-W
SIGN CLOAKROOM TOP WHITE	LG116-1-W
SIGN CLOAKROOM RIGHT WHITE	LG116-2-W
SIGN LIFT TOP WHITE	LG117-1-W
SIGN LIFT RIGHT WHITE	LG117-2-W
SIGN CUTLERY TOP WHITE	LG118-1-W
SIGN CUTLERY RIGHT WHITE	LG118-2-W
SIGN CAFÉ TOP WHITE	LG119-1-W
SIGN CAFÉ RIGHT WHITE	LG119-2-W
SIGN SMOKING TOP WHITE	LG120-1-W
SIGN SMOKING RIGHT WHITE	LG120-2-W
SIGN NO-SMOKING TOP RED	LG121-1-R
SIGN NO-SMOKING RIGHT RED	LG121-2-R

Order key – accessories

Designation	Type no.
RAIL FOR TWO SIGNS	LG2
RAIL FOR FOUR SIGNS	LG4
RAIL ADJUSTABLE BAR 200 CM	LG200
CEILING PENDLE 800 MM	LL001
TRAFO 3 W/6 V	LG011
TRAFO 10 W/6 V	LG012

Technical specification

Material	RAIL Acrylic and Aluminium
Dimensions	165x205 mm
Voltage	6 V
Energy consumption	0.4 W
Light source	Light-emitting diodes (White/Blue/Green/Yellow/Red)





- Design
- Luminosity and readability
- Contrast and attention to detail
- Thin and adaptable
- Long service life
- Low energy consumption

LEDOSIGN

– brilliant colours for your sign ideas!

Ledesign products are developed and manufactured according to the customer's specific design and application needs. Our laser technology produces a strong and even light distribution in a product with enhanced contrast and attention to detail.

Ledesign is a thin and adaptable product with a long service life and low energy consumption. The product areas cover a wide range, including interior design, brand names, and the advertising and automotive industries.

Ledesign can be used in countless areas, and you can draw on our expertise to find a specific solution.



CENTRAL RESERVE POWER – CPS/UPS – for increased safety

Wagfors reserve power aggregate for emergency and reserve illumination in different configurations, depending on load and operating time. For Ledolight's emergency evacuation lighting we recommend Flexline 1000 Digital or PowerLine 5110 Digital. Both aggregates maintain high quality, and give stable operation and 100 per cent illumination in emergency operation.

- Central power supply
- The lamps switch on automatically if the power supply is disrupted.
- Microprocessors monitor and control all vital parts, connected load, charge and battery. Deviations are indicated on an internal panel and by an external alarm.
- The aggregate is delivered with maintenance-free VRLA batteries with an estimated service life of 10-12 years.
- The construction protects from damage in the event of incorrect handling or connection.
- The aggregate fulfils the requirements of EN50171 and is EMC and Safety approved by an accredited third party.
- Strong input terminals and clear instructions make installation simple.
- Automatic function testing

Order key

Designation	Type no.
BACKUP POWERLINE 5000 DIGITAL (WAGFORS) 1200 W	LSPL-1200W
BACKUP POWERLINE 5000 DIGITAL (WAGFORS) 600 W	LSPL-600W
BACKUP POWERLINE 5000 DIGITAL (WAGFORS) 300 W	LSPL-300W
BACKUP POWERLINE 5000 DIGITAL (WAGFORS) 150 W	LSPL-150W
LS FLEXLINE 1000 DIGITAL (WAGFORS) 50 W	LSFL-50W



– Ledosafe and Ledobright



CPS PowerLine 5110/5120/5130/5140 Digital
150 W/300W/600W/1200W



FlexLine 1000 Digital – 50 W

RELIABLE – STYLISH DESIGN – LOW OPERATING COSTS



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