

■ ■ wissner-  
■ ■ bosserhoff

Functional elegance in nursing care

movita

Nursing home beds





# movita nursing home beds

Economical for nursing institutions, comfortable for patients

The nursing care market is subject to many influencing factors and trends, such as the increasing number of people in need of acute care or are affected by dementia. This has operators and staff of residential homes face increasing qualitative and economic challenges. In the light of the increasing shortage of qualified nursing staff, this applies all the more. The sector needs concepts and products that make nursing tasks easier and convince on an economic level. The movita nursing home beds combine functional elements with cost effectiveness and homeliness.

## Factors influencing the nursing care market and trends\*

Nursing care sector	Factor	Trend
	Demographics	Change in the demographic structure, of society, rise in life expectancy, increasing risks (multimorbidity, dementia), decreasing support potential in families, etc.
	Public authorities	Change of political guidelines, limited predictability of politics, fewer public supply-side subsidies, etc.
	Customer	Changing demand patterns



# The movita living concept



The selection of materials and colors follows current, natural living trends. This way, a homely and warm atmosphere is created in which the resident feels safe and protected.



movita casa in T10 design



bedside cabinet vivo 3



Lindberg oak décor

# The movita benefits

01

## Patented SafeFree®side guard concept

Often imitated but never duplicated - our contribution to less restraint in agreement with the Werdenfelser Weg (Werdenfels care pathway)\* and the Redufix\*\* project

- Divided side guards, each adjustable to 4 different heights
- No middle post, no dangerous central gap

02

## BiNetic patient surface

with double retraction:

Real bedsore prevention - more than just a backrest in accordance with DBfK (German nurses association) recommendation.

- Your benefit: Reduction of pelvic compression as well as friction and shearing forces due to leg rest retraction by 6 cm
- DBfK backrest retraction by 11 cm

03

03

## Design handset

Improved and extended functionality

- 3 safety levels adjustable: nursing, resident and locking mode
- Mobilization function
- Night light control
- Separate leg rest adjustment
- Play protection

04

04

## Night light function

As an option, a night light can be integrated

- Helps the patient find their way at night
- More safety for the resident
- Easy power connection check
- Control via handset



movita | D10 design



# The movita portfolio

movita AS  
The entry model with feet



Movability  
Stationary

Castors  
Without castors

Brakes  
Not required

Height adjustment  
Without height adjustment

movita AS  
The entry model with castors



Movable

100 mm steel sheet castors  
or 100 mm double castors

Individual castor braking

Without height adjustment

movita 2-s  
The slender one



Movable at every bed height

100 mm easy-roll castors  
or 125 mm design castors

Central castor brake system  
with one directional castor,  
operated with foot levers on both sides



approx. 36-38 / 78-80 cm

Special feature  
Patient surface width: 80 cm

movita 2-d  
The one easy to disassemble



Movable at every bed height

100 mm easy-roll castors  
or 125 mm design castors

Individual castor braking



approx. 36-38 / 78-80 cm

Special feature  
Can be completely disassembled

movita  
The mobile one



Movable at every bed height

100 mm easy-roll castors  
or 125 mm design castors

Central castor brake system  
with one directional castor,  
operated via foot lever on both sides



approx. 36-38 / 78-80 cm

movita casa  
The homely one



Movable at every bed height

50 mm double castors

Castor braking system for each axle,  
operated with foot levers on both sides



approx. 37 / 80 cm

Our movita models are available with all side guard models.



movita furnishing examples



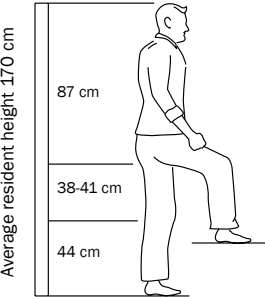


# BiNetic patient surface

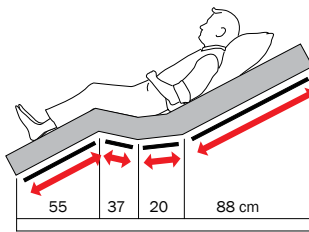
## Patient surface ergonomics

The ergonomic division of the patient surface helps prevent pressure and therefore contributes to bedsore reduction. The dimensions of the 4-part patient surface of wissner-bosserhoff nursing home beds are based on findings from anthropometrics, i.e. on the average size and height of a person. On the basis of professor Eigler's findings, it can be seen that the backrest area should be at least 80 cm long in

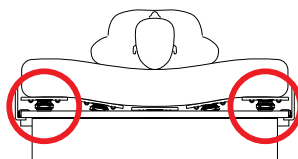
order to effectively support the cervical spine. An additional reduction of pressure can be reached with the BiNetic patient surface for patients with above-average height due to its integrated bed extension. The patient surface can be extended to 220 cm either temporarily and without tools using the express bed extension, or permanently with the bed extension set, preventing the legs from bumping on the foot end.



Anthropometry according to Prof. Eigler \*



BiNetic patient surface 200 cm (long backrest)



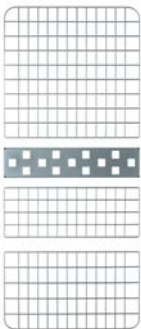
Comfort patient surface with 55 spring elements

## Patient surface modularity

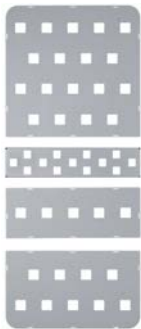
You can choose between 3 different patient surface options:

- 01 The wire mesh patient surface **Aero** ensures good aeration.
- 02 The synthetic mats of the **Easyclean patient surface** are especially easy to clean.
- 03 The **comfort patient surface** (not for movita AS) with its 55 spring elements not only promotes bedding comfort but also makes a valuable contribution to bedsore prevention.

In general, the patient surface partitions can be easily removed and cleaned.



01



02



03



Detail comfort patient surface

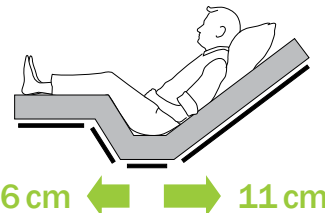
# with double retraction

## Effectiveness of double retraction confirmed

For years now, wissner-bosserhoff has been pursuing a practicable concept for reducing the risk of bedsores: The double retraction as a component of the BiNetic patient surface. With the double retraction, not only the backrest but also the leg rest is located further apart from the seat section, so that

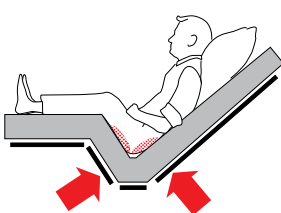
the surface is enlarged. In the meantime, there are results from pressure measurements which clearly show that there is less pressure with double retraction (image 1b) than with single retraction and significantly less pressure than with the standard patient surface (image 2b).

### Double retraction



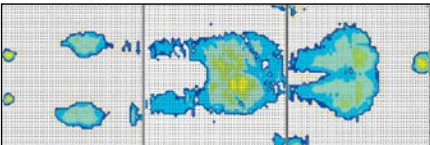
1a) BiNetic patient surface with double retraction

### No retraction



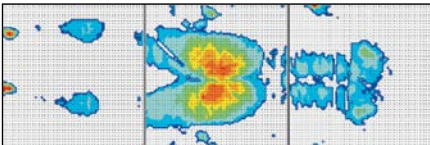
2a) Standard patient surface

### BiNetic patient surface



1b) with BiNetic patient surface with double retraction

### Standard patient surface



2b) with standard patient surface

Double retraction is not to be considered as the only means of bedsore prevention, it can however effectively support existing op-

tions and, above all, it demonstrates that we should make use of all technical means at hand to improve bedsore prevention.

Up to  
**1.5**  
million

people suffer from bedsores: In Germany alone, there are an estimated 750.000 to 1.5 million bedsore patients. Immobile, ill and elderly people are affected particularly. The annual costs of treating bedsores in Germany amount to 1 to 4 billion euros. Due to the increasingly aging population and the increase in chronic diseases, the number of people treated for bedsores will keep rising. According to the "Gesundheitsbericht des Bundes" (German federal health report) (issue 12 on bedsores, December 2002), corresponding preventive measures and optimized therapy could cut half of these costs. Source: [www.deutsche-dekubitussliga.de/das-problem](http://www.deutsche-dekubitussliga.de/das-problem)

Double retraction =  
**17cm**  
more space in bed

# SafeFree® – the patented side guard concept

Obtain freedom – in line with the Werdenfelser Weg\*“

## 4 side guards

1

In lowered position, the divided side guards enable unhindered access to the resident for daily nursing tasks, changing wound dressings or bed sheets and linen. No need to take off and store interfering accessories like a middle post or fixed side guards.

2

For safety at night, it is often sufficient to combine the low position of the bed with the first height level of the head-end side guard. This “soft protection” avoids unnecessary barriers and reduces the risk of falls sustainably. The side guards provide the resident with orientation without restriction.

3

The 3/4 protection creates a deliberate bed egress gap at the foot end for the reduction of freedom-depriving measures (FDM), while at the same time maintaining a high safety standard. By adjusting the bed and side guard height, movita can be adapted to residents of every size and height.

4

The third height level is used to comprehensively secure the resident in bed. In the top position, the two parts of the side guard close together so tightly that they are just as safe as a continuous side guard. Stocking up on accessories for closing a central gap when using an abdominal belt for restraint is not necessary.

## 4-stage adjustment

### No protection needed



### Soft protection

no FDM



### 3/4 protection

no FDM



### Full protection

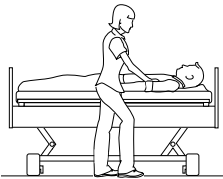
for mattress heights from 12 to 18 cm



## 4 advantages

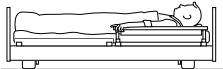
### Barrier-free

No middle post and no central gap protector



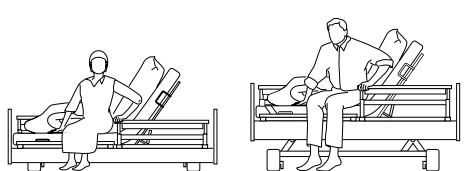
### Orientation

instead of freedom-depriving measures (FDM)



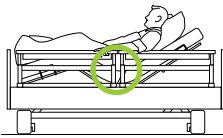
### Mobilization

with adaptation to resident height



### Safety

exceeding the requirements of the new standard IEC 60601-2-52

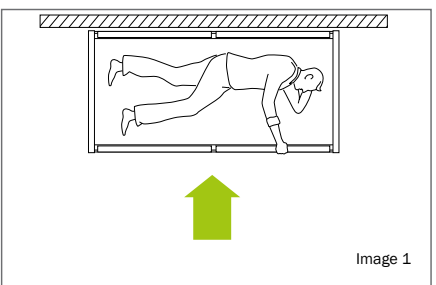


## Mobilization with the right support angle according to the resident's height

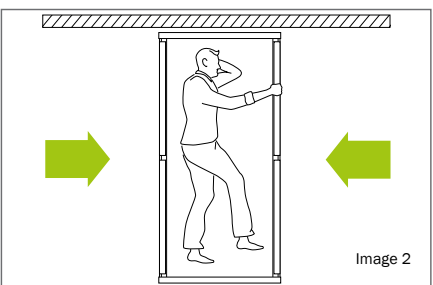


## All-round access for nursing tasks with 4 divided side guards

- Flexible use of the bed for standard care, even in limited spaces (fig. 1)
- Flexible access from both sides of the bed in case of increased need for care (fig. 2)
- Flexible use of the bed for bed egress on the left or right side to mobilize the resident
- Avoiding follow-up costs for upgrading divided side guards



Standard nursing – access from one side is sufficient

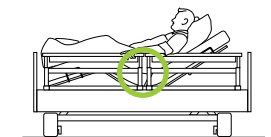


Increased need for care – access from both sides needed



More safety  
due to smaller central  
gap\* < 60 mm

- Targeted compliance with the new standard IEC 60601-2-52
- Safety in working position, i.e. also with raised backrest or leg rest
- Safety without using an additional central gap protector as accessory for restraint with an abdominal belt in accordance with the BfArM\*\* (German Federal Institute for Drugs and Medical Devices)





# 3 bed lengths

Without central gap > 318 mm and without middle post

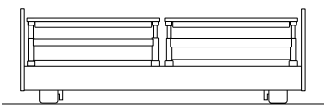
All standard wissner-bosserhoff nursing home beds are equipped with an integrated bed extension. With the **express bed extension** (see image below/option), movita - **with divided side guards** - can be adjusted flexibly and without tools to different bed lengths. The requirements of the new standard IEC 60601-2-52 are complied with in each configuration.



Bed extension with express release (option)

## 200 cm

Bed length of 200 cm:  
The divided side guards offer protection without a central gap > 318 mm\* and without a protector



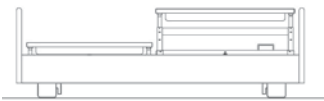
## 220 cm

Bed extension to 220 cm:  
is temporarily adjustable with divided side guards for movita - complete protection through foot-end protector (accessory) is guaranteed



## 210 cm

Alternative bed length of 210 cm:  
Protection with longer side guards at the foot end without accessories and without a gap > 318 mm\*\*

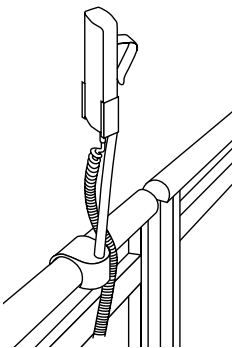


# Intelligent design handset

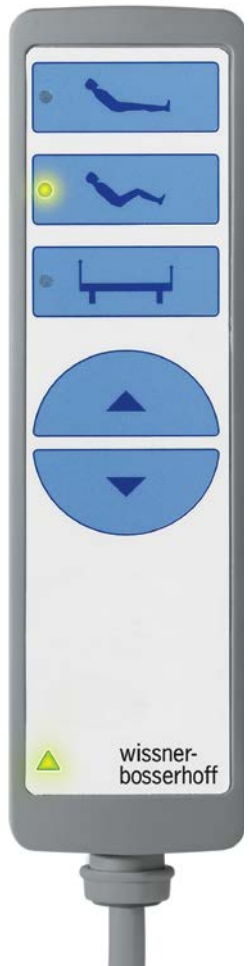
with extended functionality

Already at first glance, the handset of the movita nursing home beds impresses with its clarity and ergonomic form: fewer buttons and large symbols ensure that operation can be learned intuitively.

The pre-selection function makes the handset single fault safe - triggering a function by accidentally pressing a key is not possible.



The handset is easy to reach for both the resident and staff at all times (accessory handset holder, model No. 10-0419 and 10-0421)



Backrest adjustment

Auto contour

Height adjustment

Up

Down



## Extended functions

- Night light control
- Separate leg rest adjustment
- Mobilization function
- Play protection

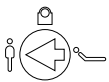
# 3 safety levels

Integrated into the handset rear side is the locking function, eliminating the need to search for a control box at the patient surface panel or to bend down.

With a magnet-free key, the three handset modes can be chosen, adapting the adjustment options of the bed to fit the nursing care task. In **locking mode**, all functions of the handset are locked.

In **resident mode**, the upper three buttons are available to the resident.

In **care mode**, all buttons are unlocked.



Care mode



Locking mode



Resident mode



Key for safety levels (magnet-free)

wissner-bosserhoff, your reliable partner for the reduction of freedom-depriving measures (FDM): With SafeSense®, wissner-bosserhoff presents an intelligent assistance sensor system, which reliably helps reducing freedom-depriving measures day and night. It is equipped with an automatic night light, which is activated when the resident leaves the bed and is deactivated when the resident is back in bed again. SafeSense® is compatible with standard nurse call systems and can be retrofitted to wissner-bosserhoff nursing home beds manufactured in 2002 or later



## Automatic night light

- Night light is automatically switched on when the resident leaves the bed
- Night light is switched off again as soon as the resident is back in bed



## Individual alarm system

- Freely adjustable immediate alarm from 0 seconds to 30 minutes
- Adaptation to the resident's mobility



## Integrated or available as retrofit kit

- Accessory option for current WIBO nursing home beds
- Retrofit kit for electrical WIBO nursing home beds manufactured in 2002 or later
- Available with cable or wireless



More safety –  
less freedom-  
depriving measures  
(FDM)

- Faster response time in the event of falls
- Greater safety during night and weekend shifts
- Ideal in combination with movita low nursing beds and SafeFree® side guards

Further information on SafeSense® is provided on page 26.





# movita 2-d

The one easy to disassemble

At first glance, the movita 2-d cannot be distinguished from a standard movita bed. The technical parameters of both beds also are identical. You can only see the difference once you take a closer look – the movita 2-d can be completely disassembled and reassembled by one person – quickly and without tools. None of the individual components weighs more than 18 kg, complying with all occupational health and safety requirements.

The movita 2-d is used in home care or nursing homes with narrow doors – without compromising design, quality or stability.



# Effective cable management

D-box provides energy for bed and reading light

With the convenient D-box, tangled cables are a thing of the past. Attached at the inside of the head section, the D-box collects both the cables of the bed and light. This way, only one cable leads to the power socket.

### 3 cables – one solution – several advantages

- You only have to pull out one single cable to be able to move the bed.
- No risk of mixing up cables when unplugging.
- Independent from the motor. Therefore, good access to the connectors in every bed position.
- For halogen and LED lights.

Halogen  
+  
LED



Design | head / foot sections



Design A  
Head/foot section \*/\*\*



Design Ak  
Head/foot section \*/\*\*



Design Ak  
Folded down \*/\*\*



Design D  
Head section



Design D  
Foot section



Design D  
Low foot section



Design G  
Head section



Design G  
Foot section



Design G  
Low foot section



Design K  
Head section \*\*



Design K  
Foot section \*\*



Design K  
Low foot section \*\*



Design S  
Head section \*/\*\*



Design S  
Foot section \*/\*\*



Design S  
Low foot section \*/\*\*



Design T  
Head section



Design T  
Foot section



Design T  
Low foot section



Design W  
Head section \*/\*\*



Design W  
Foot section \*/\*\*



Design W  
Low foot section \*/\*\*



Design DR  
Head section \*/\*\*




Design DR  
Foot section \*/\*\*




Design LP  
Head and foot section \*/\*\*


Colors | décors\*




Maple (R 5184)




Beech, natural (R 5320)




Beech (F37/009)



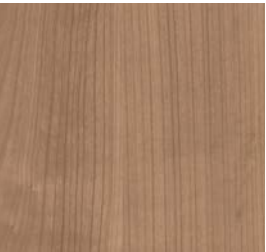
Cacao (R 5447)




Alder, golden red (R 4601)




Cherry (R 5360)



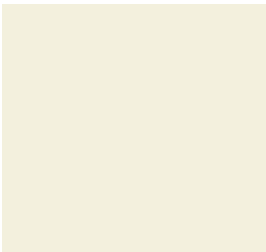
Havana cherry (R 5681)



Lindberg oak (R 4223)



walnut (R4801)




Volcano white (U1011)

Our certificates – your safety

wissner-bosserhoff voluntarily has its production processes and management regularly audited by the TÜV. The company is certified in accordance with the regulations of the standard DIN EN ISO 9001:2008 for quality management systems as well as DIN EN ISO 13485:2003+AC:2007 for the manufacture of medical devices.



ISO 9001



ISO 13485




ISO 14001:2004



CB certificatex



Certificate  
for side guards



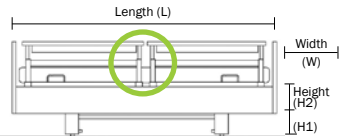
CE  
TÜV SUD  
Inspection label for product  
certification and auditing



# Furnishings and accessories

## Dimensions

<b>10-0625</b> movita AS (with feet/casters) L 208 cm, W 103/106 cm without height adjustment	<b>10-0740</b> movita 2-s L 208 cm, W 93/95 cm H1 36-38 / H2 78-80 cm	<b>10-0766</b> movita 2-d (only with side guards 09) L 208 cm, W 103/108 cm H1 36-38 / H2 78-80 cm	<b>10-0540</b> movita L 208 cm, W 103/108 cm H1 36-38 / H2 78-80 cm	<b>10-0574</b> movita casa L 208 cm, W 103/106 cm H1 38 / H2 80 cm
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Divided side guards (10), without gaps



Divided side guards (11), without gaps

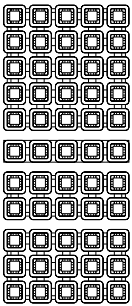


Continuous 2-part side guard (09) with trigger release

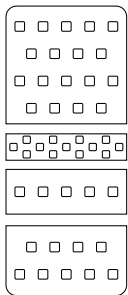


Continuous 3-part side guard (09)

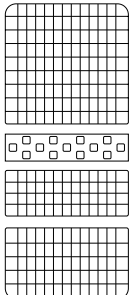
## Patient surfaces



Comfort

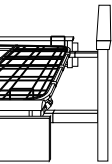


EasyClean

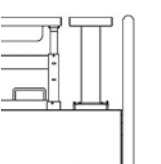


Standard | Aero

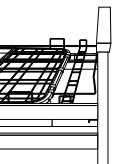
## Bed extensions



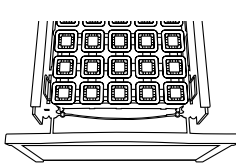
Temporary bed extension divided side guard (10) (standard)



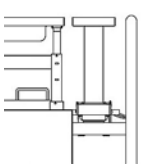
Permanent bed extension divided side guard (10) (optional)



Permanent bed extension side guard (09) (optional)

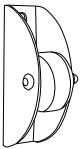


Bed extension with express release (optional)



10-0570 / 10-0580 Protector for bed extension by 20 cm (option)

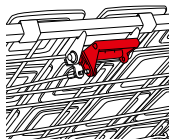
## Options\*



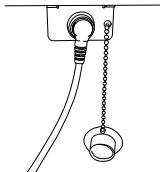
Vertical wall stopper castors (not for movita AS)



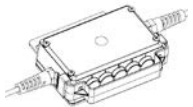
3D wall stopper castors, horizontal and vertical protection (not for movita AS)



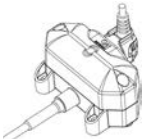
CPR release on the backrest



Plug & play to use the handset on one or both sides of the bed



D-box with light connection for optimum cable management



Underbed light

## Accessories\*\*



10-0419 Handset holder for divided side guards 10-0421 Handset holder, short



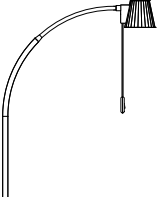
10-0422 Accessories and handset holder for continuous side guards



10-0424 Accessories and handset holder for attachment to side panel 50-0165 Urine bottle basket 50-0164 Urine bottle holder (no picture)



Halogen design reading light soluna 50-0212 with 12 V transformer 50-0213 without 12 V transformer



LED design reading light soluna 50-0237 with power supply unit 50-0550 without power supply unit



10-0548 Head-end wall spacer bracket movita



10-0587 Head-end wall spacer bracket movita casa



10-0549 Side-mounted wall spacer bracket movita / movita casa



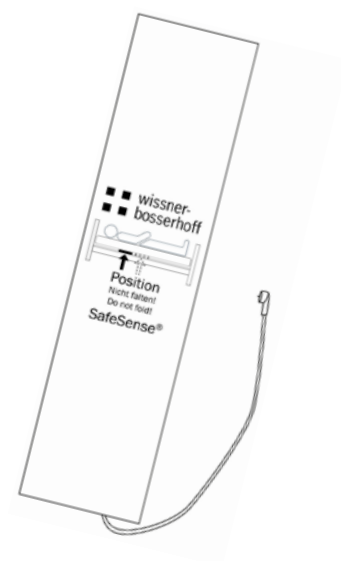
50-0174 Cushioning for divided side guards (10)



50-0338 Cushioning for two-part side guards (09)

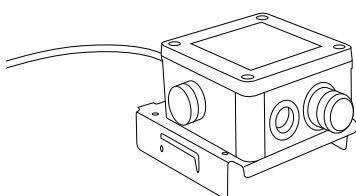
# Accessories – SafeSense® bed exit system

## SafeSense® sensor mat



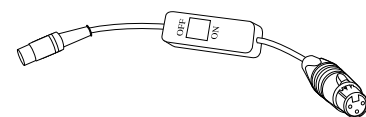
**02-000713**  
SafeSense® sensor mat 1,  
80 x 20 cm

## SafeSense® bed exit box



**Cable version (SafeSense® 1):**  
**04-1544-001**  
Bed exit box, for beds without battery  
**04-1544-004**  
Bed exit box, for beds with battery  
**Wireless version (SafeSense® 2):**  
**04-1544-002**  
Bed exit box, for beds without battery  
**04-1544-003**  
Bed exit box, for beds with battery

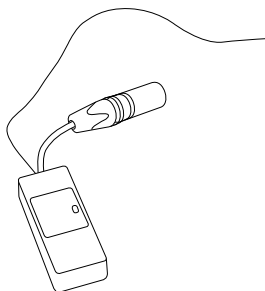
## SafeSense® connection kit



**04-1508**  
Adapter cable with on/off switch and suitable plug  
for connection to the nurse call system  
(customer-specific) for the cable and  
wireless version (SafeSense® 1 and 2)



**04-1608**  
Adapter cable without on/off switch  
with suitable plug to connect to the  
nurse call system (customer-specific)  
for the cable and wireless version



**02-000726**  
Wireless receiver  
for wireless version only  
(SafeSense® 2)

# soluna

## Design reading light

The undulating shape of the lampshade, with its partially translucent character, stands out as a special design element of soluna lights. Equipped with a swivel arm, the light allows the light focus to be precisely positioned close to the object to be illuminated, regardless of whether the light is attached to the bed or the bedside cabinet. Either halogen or LED illuminants can be chosen as the light source. Advantage of LEDs: a long life, low energy consumption, no heat generated and absolutely safe operation.



With its variable light head and the individually adjustable light focus, soluna is ideal both as a reading light and nursing light.



With its universal plug adapter with a swivel catch lock, the soluna can be fitted to almost all nursing home beds.



The soluna range of lights blends in harmoniously with the nursing home beds' design. In combination with the D-box, this is an optimum cable management solution.



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## Members of LINET Group

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