

**Compact 720 mm wall light  
with LED sources**

Aluminium Finish

**0 783 33****Description**

The Compact bedhead was developed with special attention to ergonomics, design and technology, with the goal of creating a product to provide more comfort for patients and medical and nursing staff.

The device provides illumination using exclusively LED sources and has two types of lighting: indirect light for ambient lighting and direct light for reading.

The finish is painted aluminium color with antibacterial treatment.

The design of the bedhead, in the upper part, is inclined in order to prevent the deposit of objects.

**Antibacterial finish**

All the external parts except the diffusers have received antimicrobial treatment.

It is recommended to proceed with normal cleaning of the equipment in order to ensure perfect hygiene.

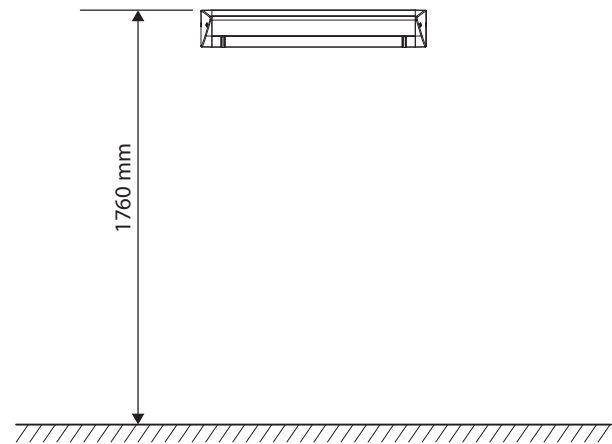
**Wall light profile**

For implementation of the wall light with lighting function only the same extruded profile of the Compact bedhead range has been used.

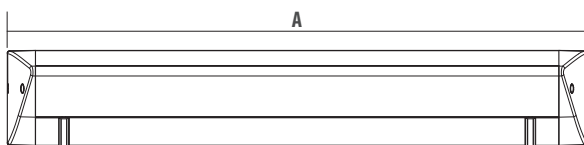
- Load-bearing profile in extruded aluminium available in 650 mm length and anodised or painted finishes;
- Plastic heads integrated in profile;
- Degree of protection: IP40;
- Degree of impact resistance: IK08
- Transparent polycarbonate reflectors, longitudinal prismatication on the lower one.
- Class I electromedical device.

**Installation procedure**

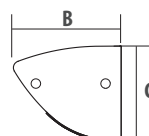
- The wall light can be installed on masonry or plasterboard walls. Installation is via a specific bracket provided;
- All lighting components are wired up to the terminal block for easy connection to the mains.
- For further installation information, please refer to the instructions supplied with the product.
- Recommended installation height = 1760 mm from the ground.

**Reference standards**

- Luminaires: General requirements and tests. CEI EN 60598-1
- Luminaires: Luminaires for use in clinical areas of hospitals and health care buildings. CEI EN 60598-2-25
- Reference to UNI EN 12464-1

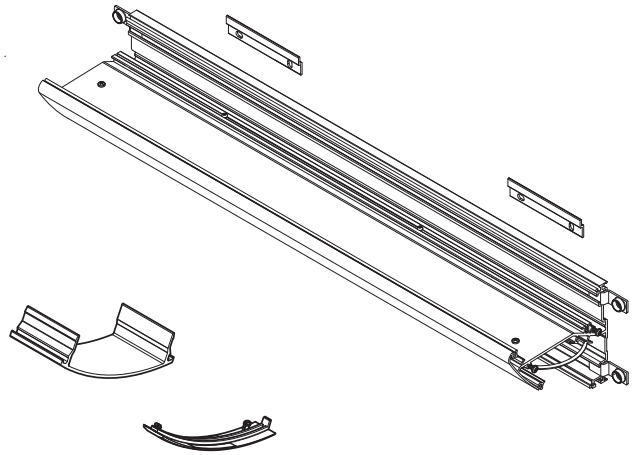
**Dimensions**

A	B	C	Total weight
720 mm	137 mm	118 mm	4 Kg



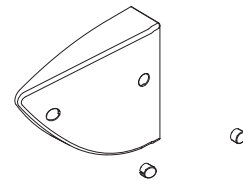
#### Extruded Part Description

- The structure, 650 mm in length, is made of extruded aluminium painted on the external parts.
- The extruded part is fixed to the wall using aluminium brackets with screws and fixing plates.
- Cover and Cover joint description :
  - Finishing covers in extruded aluminium.
  - Predisposed for attachment to earth wires.
  - The Cover joint is made of polycarbonate painted in grey.
  - The Cover joint is mounted to conceal breaks between covers.



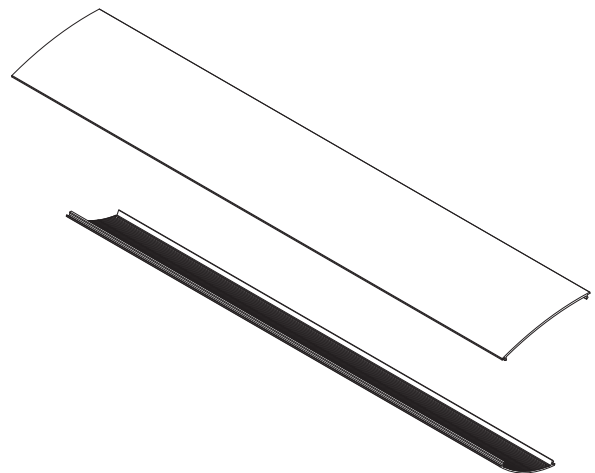
#### End cap Description

The end caps are made of polycarbonate painted in grey.  
They are completed with screw caps.



#### Diffuser Description

The prismatic diffusers are made of extruded polycarbonate.  
The diffusers are mounted by snapping onto the aluminium profile.  
The diffusers are transparent.



## Electrical Unit Description

The electrical units are composed of 3 elements:

### Reading light source

- Reflector made of aluminium with mirror finish
- The white (RAL 9010) reflector supports are in moulded polycarbonate with glow-wire resistance of the material equal to 850°. They are connected to the reflector with screws.
- The electrical units are housed on a DIN rail and fixed by a polyamide pawl with 1/4 turn.
- The LED strip is housed on the reflector.

### Ambient light source

Made of extruded aluminium with the function of heat sink, on which the LEDs are fitted with a special support.

### Electronic power supply

The power supply of the lighting units is provided through a special electronic driver specific for use with LEDs

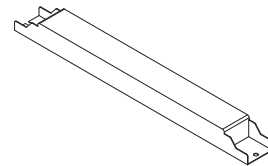
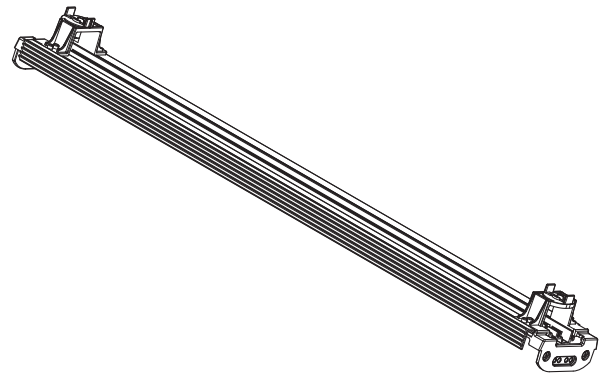
Specifications:

Active power factor correction

Degree of protection, IP20 - Terminals, 2.5sqmm

Short circuit, overload, open circuit and thermal protection

High efficiency, minimum heat loss and absolute reliability over time.

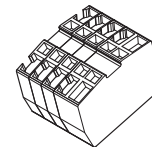


## Terminal Block Description

- The terminal block consists of a metal core and a protective polyamide shell, V0 flammability class according to UL94.
- It is attached to the dedicated plate.

### Technical Data:

Max current load:	28 A (4 mm <sup>2</sup> section conductors) 30A max
Rated voltage increase:	8 KV
Overvoltage category:	III
Insulation material group:	I
Rated current In:	24 A
Rated voltage Un:	800 V
Min. solid conductor section:	0.08 mm <sup>2</sup>
Max. solid conductor section:	4 mm <sup>2</sup>
Min. flexible conductor section:	0.08 mm <sup>2</sup>
Max. flexible conductor section:	2.5 mm <sup>2</sup>
Min. AWG/kcmil conductor section:	28
Max. AWG/kcmil conductor section:	12
Connection method:	spring



## Ground Wire Description

The ground wires, consisting of a Faston connector and steel pegs for attachment to the bedhead covers, are fixed to the extruded parts of the cover and channel by means of pressure of the tooth on the material. The section of the cable is 2.5 mm<sup>2</sup>.



Wiring diagrams

