

Head Wall Units

Head Wall Units



Dune s.r.l. - Via delle Tre Pietre, 2 - 50127 Firenze- Italy
Tel. +39 0554378966 - Fax +39 0554379479
www.dunefirenze.it

Lighting for our well-being Integrated systems for hospital environments

Dune produces a series of systems that integrate seamlessly into various environments and allow the designer to freely choose the type of finish for the hospital rooms.

POLIS, the small and compact power supply unit built to be hidden behind a picture, STILOS, elegant columns already equipped with laminated finishes, DEMOS, the wall system with a strong aesthetic impact that outlines the area dedicated to the patient. XENIA, bed head units with facilities concealed behind a laminated front.

These, together with the historical productions of NAP, CAL A and CAL Z supplemented by the intensive care SKIA unit and by the Easy series, make up the most complete and diverse line of bed head power supply systems.



Dune s.r.l. - Via delle Tre Pietre, 2 - 50127 Firenze- Italy

Tel. +39 0554378966 - Fax +39 0554379479

Cod. Fiscale/P.IVA/Reg. Imprese-FI 03624560482

www.dunefirenze.it - dune@dunefirenze.it

This catalog replaces the previous one. The information contained in this catalog may be subject to change, so we ask you to contact our technical office for any updates

REV 5 - april 2019

Index

The Hospital world	2
Lighting for the hospital rooms	3

Horizontal Head Wall Unit

CAL A Bed head units for ward	4
CAL Z design by Andrea Rovatti Bed head units for ward	8
XENIA Bed head units for ward	12
NAP design by Andrea Rovatti Bed head unit for ward	16

Vertical Totem

STILOS design by Andrea Rovatti Vertical service system for hospital rooms	20
---	----

Service Panel and more

POLIS Service Panel and more	24
DEMOS design by Targetti Health/ Luca Tomei Bed head wall furniture and service for hospital rooms	28

Head Wall Unit for Intensive Care

SKIA Bed Head Unit for intensive care rooms	32
--	----

Serie E

The Hospital world

Lighting in protected hospital environments

The hospital is the place where you most feel the need to have "protected lighting" for the environment and humans. From operating theatres, where extremely critical work is carried out and where the level of attention and concentration of the operators is very important, in emergency departments up to hospitalisation: in every environment, the technical specifications must be studied in detail and must be guaranteed in time, both for the choice of lighting solutions and for hygiene and sterility requirements..





Lighting for the hospital rooms

Integrated systems for medical environments
The humanised environment
A new design approach

The room is the hub of the hospital stay area, the place where the patients spend much of their time, where they transfer their habits, their way of life and in which they project their natural need for respect of their privacy and individuality and, at the same time, of sociability and communication with the outside.

They are the most complex places for a designer: if on one hand, putting aside the concept of the hospital as a healing machine, the hospital room is increasingly affected by a humanisation project, on the other hand this has become, more and more, space complementary to medical care with facilities for assisting the patient.

CAL A

Bed head units for hospital rooms





0476

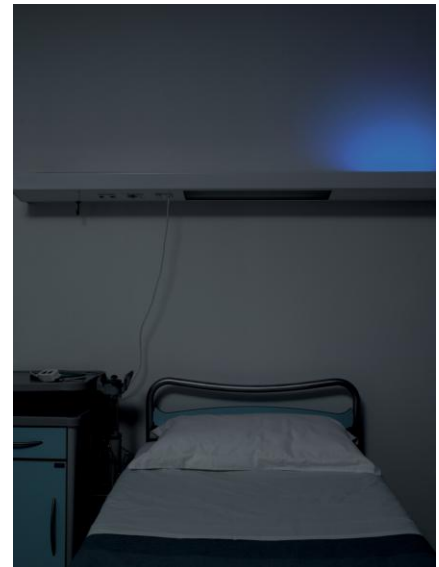
CAL A is registered in the Directory of Medical Devices of the Ministry of Health with assigned sequence number 326 424.
CAL A is a Medical Device marked CE according to Directive 93/42/CEE and is manufactured and tested in Italy.

The bed head units of the CAL A series are the perfect combination of quality, functionality and price.

Designed to fit perfectly in the hospital rooms, they are made of extruded aluminium and can be equipped with conduits to contain electrical facilities or medical gases.

Usually equipped with electrical, communication services, medical gas outlets, they are also offered with a nurse call system and integrated with direct and indirect light sources and with room night lighting for reading and a visiting light for the medical staff.

In essence, the CAL A series is designed to comply with all what is required of a medical device for a hospital, in compliance with applicable regulations..



LIGHTING



LED lighting is made with high-efficiency modules. LED Modules are sized by our technical office to provide the best light emissions based on the characteristics of the environment.

eLED line modules are installed in the unit, which guarantee a very long life of the product with high luminous efficiency and low consumption (more light generated with less power). The light is clear and brilliant, the perception of the human eye is of natural illumination.

The color temperature is calibrated to provide the best compromise between patient well-being and the operational need of the ward. Light emission, on request, can be dimmable by button, DALI protocol, 1-10V switch, or smartphone/tablet APP.

General indirect lighting is performed with LED Modules of a different power and length according to the requirements and the size of the unit.

A prismatic methacrylate cover plate, fixed to the top cover, protects from dust.

The reading and for medical examinations light, an optical system with prismatic methacrylate, is normally supplied LED Modules.

With CAL A there is also the possibility to mount a blue LED strip, to help orientation during the night hours..

CAL A – SECTION

It is the more compact version: electrical facilities, peripheral communication devices and up to three pipes for medical gases are contained in separate sectors in a single profile. The terminal units for medical gases are hosted in a special box.

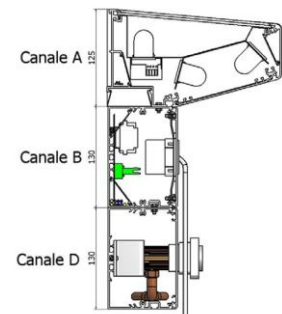
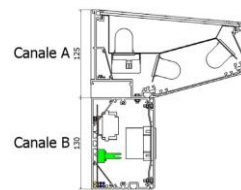
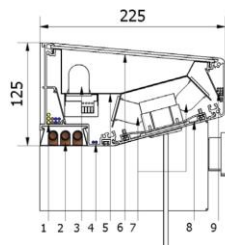
BODY

Compact modular units up to 6.4 metres length in one piece, contain the necessary installations for electrical, lighting, communications and medical gas facilities. They are made of extruded aluminium with rounded edges, aluminium end covers.

One or more conduits in extruded aluminium to house the electrical facilities or additional medical gases can be applied to the main unit, thus separating them from the basic equipment.

TECHNICAL DETAILS

1. Mains voltage conductors
2. Gas pipes
3. Indirect light
4. Informatic Cables
5. Reflector Lighting
6. Upper light plate
7. Direct visiting and reading light
8. Lower light plate
9. Low voltage conductors



CAL A+B

Thanks to its amplitude, the B type conduit enables to use a high amount of electrical facilities in a unit of limited length.

CAL A+B+D

The D type conduit is used to rationalise the distribution of medical gases in the bed head unit; appropriate brackets allow to install the terminal units.



INSTALLATION

CAL A is fixed to the wall, using screws and wall plugs suitable for the type of masonry at a recommended height of 1750 mm. (Cal A axis) from the ground.



EQUIPMENT AND SYSTEMS

CAL A is an electric unit ready for connection to a central point, with sockets and switches already wired to the central terminal connection.

The electrical equipment can be chosen from among all the series on the market, without any constraint except to verify its compatibility, in terms of mechanical size, with the structure and the size of CAL A.

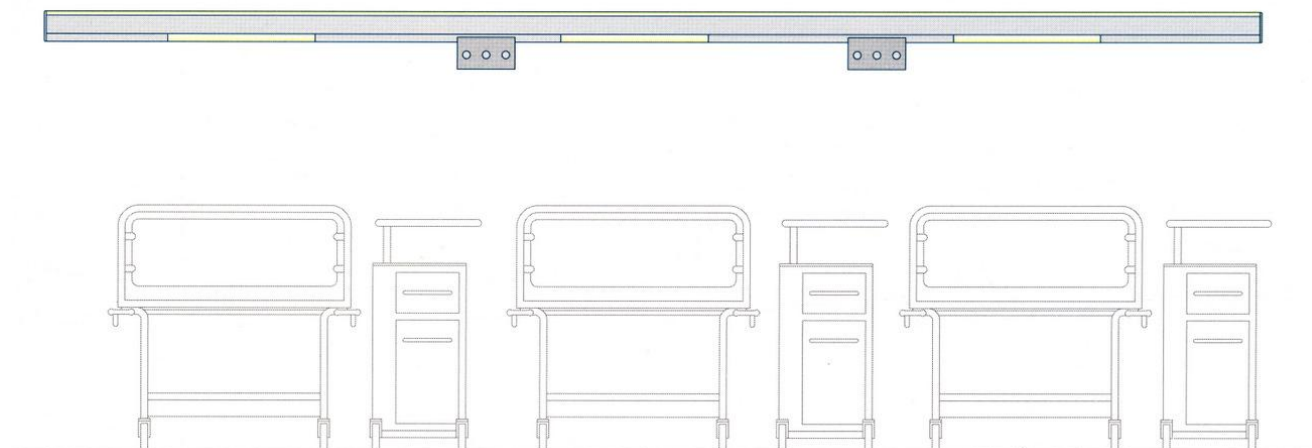


PLANNING

For the proper identification of the primary characteristics of CAL A it is recommended to:

- Determine the most appropriate lighting configuration;
- Specify the total length of the unit;
- Specify if the power supply is on the left or on the right;
- Specify the position of the bedside table;
- Specify the electrical services deemed necessary.

These data will be reviewed and processed by our Technical Department which will provide mechanical and electrical drawings related to the project, if necessary, adapting them to the building requirements and relevant regulations.



CAL Z

design by Andrea Rovatti

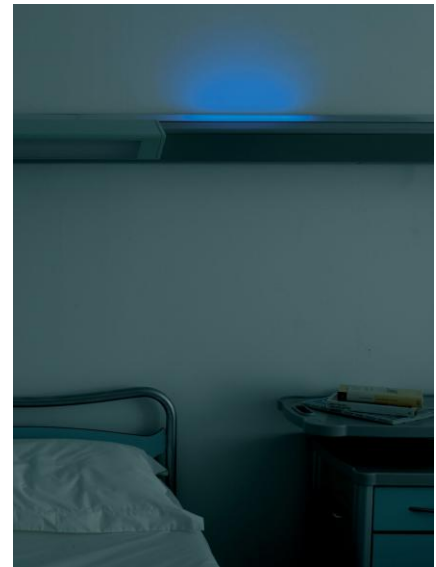
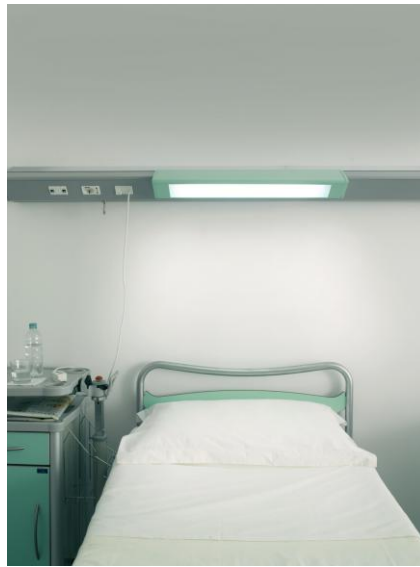
Bed head units for hospital rooms





CAL Z is registered in the Directory of Medical Devices of the Ministry of Health with assigned sequence number 1117258
CAL Z is a Medical Device marked CE according to Directive 93/42/CEE and is manufactured and tested in Italy.

*CAL Z is a product with a modern design that blends aesthetics that can be customised with different finishes; it is made of extruded aluminium with a wide section so as to offer greater space inside the unit for the passage of pipes for medical gases and, in general, a more convenient access to the systems.
Characteristics of CAL Z module dedicated to direct lighting, for reading and for medical examinations, customisable with RAL colours chosen from a wide range.*



LIGHTING



LED lighting is made with high-efficiency modules. LED Modules are sized by our technical office to provide the best light emissions based on the characteristics of the environment..

eLED^{line} modules are installed in the unit, which guarantee a very long life of the product with high luminous efficiency and low consumption (more light generated with less power). The light is clear and brilliant, the perception of the human eye is of natural illumination. The color temperature is calibrated to provide the best compromise between patient well-being and the operational need of the ward. Light emission, on request, can be dimmable by button, DALI protocol, 1-10V switch, or smartphone/tablet APP.

General indirect lighting is usually supplied by LED Modules and length according to the needs and the size of the unit. A snap-fixed cover sheet of lined polycarbonate protects from dust. .

The reading and for medical examinations light is supplied by LED Modules.

With CAL Z there is also the possibility to mount a blue LED strip, to help with orientation during the night hours.

As an alternative to what previously described, it is possible to use LED lights with brightness features chosen by the customer.

BODY

The body is a modular unit consisting of a main unit and a protruding part, made of extruded coated aluminium with flame retardant, ABS end caps, painted the same colour as the module to which they are applied.

The main unit is supplied as standard in RAL 9006 gray colour while the protruding part can be painted in various colours chosen from a range of RAL colours.

The CAL Z bed head units can be equipped with a distribution system for medical gases; in this case they are equipped with a box for the gas outlets.



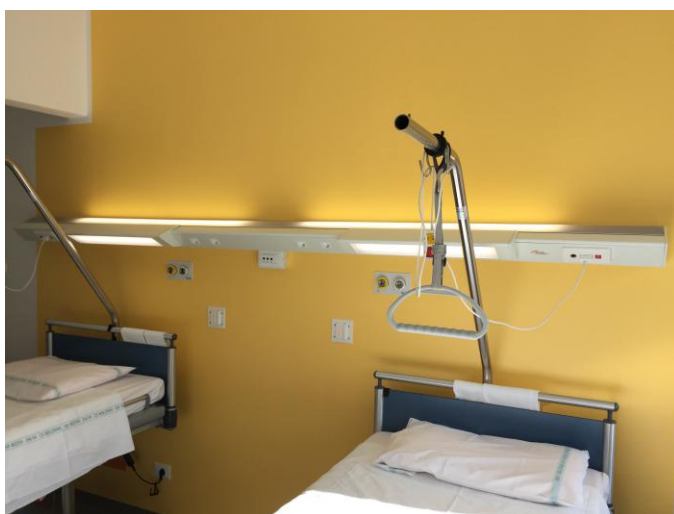
INSTALLATION

CAL Z is fixed to the wall, using screws and wall plugs suitable for the type of masonry at a recommended height of 1750 mm. (Cal Z axis) from the ground.



EQUIPMENT AND SYSTEMS

CAL Z is an electric unit ready for connection to a central point, with sockets and switches already wired to the central terminal connection. The electrical equipment can be chosen from among all the series on the market, without any constraint except to verify its compatibility, in terms of mechanical size, with the structure and the size of CAL Z.



PLANNING

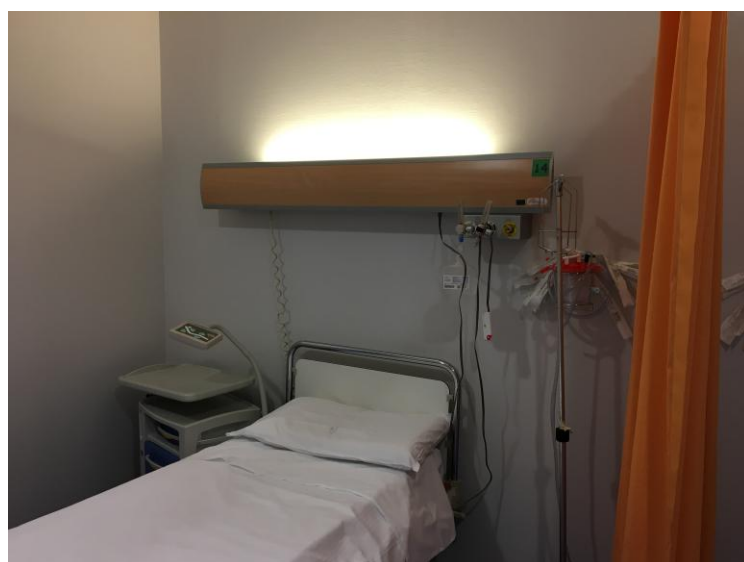
For the proper identification of the primary characteristics of CAL Z it is recommended to:

- Determine the most appropriate lighting configuration;
- Specify the total length of the unit;
- Specify if the power supply is on the left or on the right;
- Specify the position of the bedside table;
- Specify the electrical services deemed necessary

These data will be reviewed and processed by our Technical Department which will provide mechanical and electrical drawings related to the project, if necessary, adapting them to the building requirements and relevant regulations.

XENIA

Horizontal bed head unit for hospital rooms

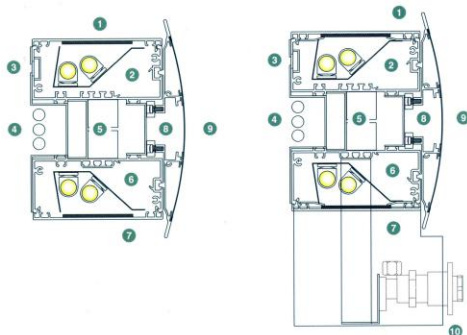




Xenia is registered in the Directory of Medical Devices of the Ministry of Health with assigned sequence number 1117257.
Xenia is a Medical Device marked CE according to Directive 93/42CEE and is manufactured and tested in Italy.

XENIA is added to the Dune horizontal bed head equipment catalogue as an element characterised by extreme attention to design and finishes and the possibility to customise the colour of the product. Like all the articles in the series, XENIA also presents itself as an architectural piece of furniture, with its laminate front that covers all the typical facilities of a bed head unit, lighting included.

XENIA is a set of extruded aluminium profiles, assembled with a high pressure laminate front cover in various finishes. In the upper profile there is space for the components for indirect and night lighting, while in the lower one are installed both the necessary electrical equipment and the components for direct lighting. Boxes for the terminal units of the medical gas systems complete the range of accessories.



TECHNICAL DETAILS

1. Top cover with indirect light plate
2. Compartment housing for LED indirect lighting
3. Bracket for wall mounting
4. Passage area for medical gas pipes
5. Compartment housing for electrical components
6. Compartment housing for direct light lamps and electrical and communication equipment
7. Bottom cover with direct light plate
8. Front bracket
9. Front cover
10. Box for single medical gas outlets

LIGHTING



LED lighting is made with high-efficiency modules. LED Modules are sized by our technical office to provide the best light emissions based on the characteristics of the environment.

eLED⁺line modules are installed in the unit, which guarantee a very long life of the product with high luminous efficiency and low consumption (more light generated with less power). The light is clear and brilliant, the perception of the human eye is of natural illumination.

The color temperature is calibrated to provide the best compromise between patient well-being and the operational need of the ward.

Light emission, on request, can be dimmable by button, DALI protocol, 1-10V switch, or smartphone/tablet APP.

General indirect lighting is usually supplied by LED Modules. A snap-fixed cover sheet of lined polycarbonate protects from dust.

The reading and for medical examinations light is usually supplied by LED Modules.

With Xenia there is also the possibility to mount a blue LED strip, to help with orientation during the night hours.

BODY AND FRONT PANEL

The main body consists of two extruded aluminium profiles, closed by snap-on covers and head ends made of laser cut aluminium, all painted with epoxy cured, RAL 9006 colour.

The front panel can be chosen in a wide range of finishes and colours and is made of high-pressure laminate, closed between two lateral wings of extruded aluminium painted the same colour as the body.

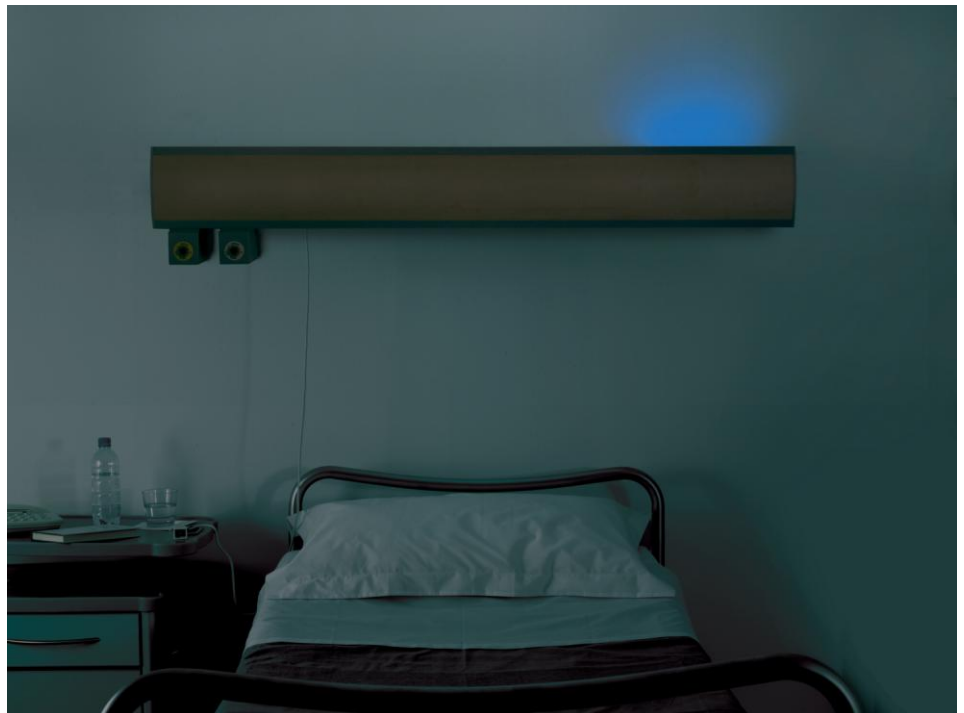
The ends of the front panel are closed by ABS head caps painted Ral 9006.

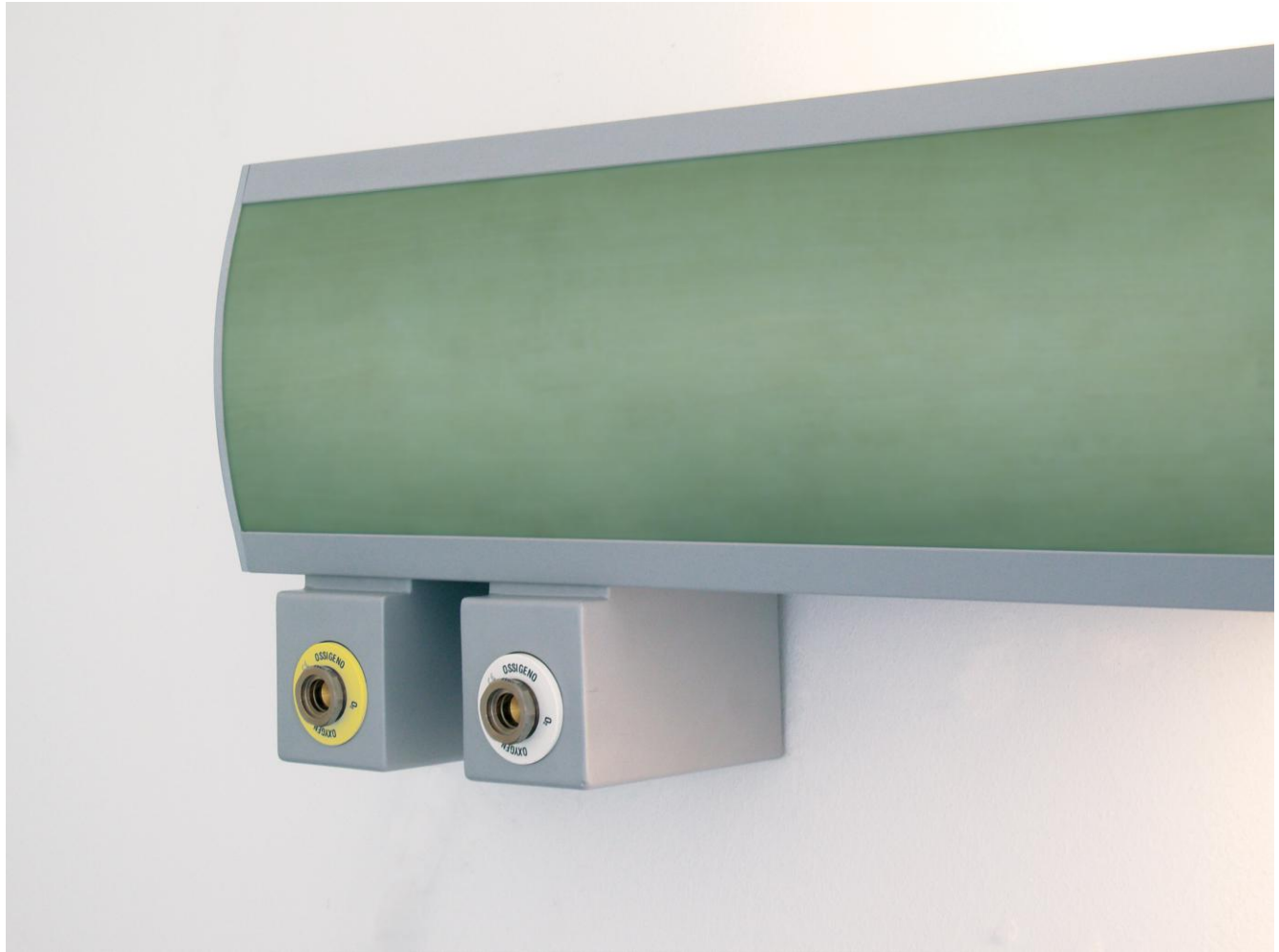
In standard version, the central body has a length of 1500 mm; the front cover has a length of 1700 mm.



INSTALLATION

Xenia is fixed to the wall, using screws and wall plugs suitable for the type of masonry at a recommended height of 1750 mm. (Xenia axis) from the ground.





EQUIPMENT AND SYSTEMS

Xenia is an electric unit ready for connection to a central point, with sockets and switches already wired to the central terminal connection.

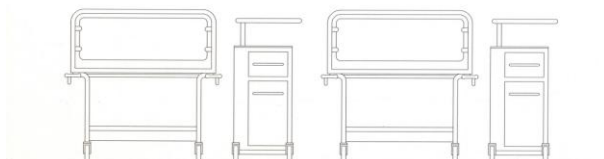
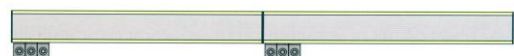
The electrical equipment can be chosen from among all the series on the market, without any constraint except to verify its compatibility, in terms of mechanical size, with the structure and the size of Xenia.

PLANNING

For the proper identification of the primary characteristics of Xenia it is recommended to:

- Determine the most appropriate lighting configuration;
- Specify if the power supply is on the left or on the right;
- Specify the position of the bedside table;
- Specify the electrical services deemed necessary;
- Specify the finish of the front panel

These data will be reviewed and processed by our Technical Department which will provide mechanical and electrical drawings related to the project, if necessary, adapting them to the building requirements and relevant regulations.





NAP

design by Andrea Rovatti
Bed Head unit for hospital rooms



NAP is registered in the Directory of Medical Devices of the Ministry of Health with assigned sequence number 1117287.

NAP is a Medical Device marked CE according to Directive 93/42CEE and is manufactured and tested in Italy.

The NAP series completes the family of hospital dedicated equipment.

NAP is made of extruded aluminium and can accommodate different light sources for direct and indirect lighting.

NAP can also house electrical outlets, control switches for lights and a nurse call button panel.

With these facilities, the bed head unit is particularly well suited for places where non-intensive and specialist care is carried out, such as geriatric institutions, nursing homes, outpatient clinics, inpatient areas, etc...



LIGHTING



LED lighting is made with high-efficiency modules. LED Modules are sized by our technical office to provide the best light emissions based on the characteristics of the environment.

eLED^{line} modules are installed in the unit, which guarantee a very long life of the product with high luminous efficiency and low consumption (more light generated with less power). The light is clear and brilliant, the perception of the human eye is of natural illumination.

The color temperature is calibrated to provide the best compromise between patient well-being and the operational need of the ward.

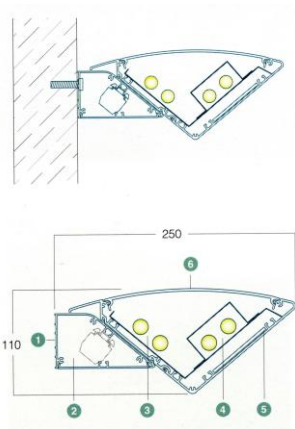
Light emission, on request, can be dimmable by button, DALI protocol, 1-10V switch, or smartphone/tablet APP.

General indirect lighting is usually supplied by LED Modules. A snap-fixed cover sheet of lined polycarbonate protects from dust.

The reading and for visit examinations light is usually supplied by LED Modules.

The light for medical examination is supplied by LED Modules or by the simultaneous activation.

With NAP there is also the possibility to mount a blue LED strip, to help with orientation during the night hours.



BODY

NAP is made of extruded aluminium painted in various colours to be chosen from a RAL range. The end caps are made of self-extinguishing ABS painted the same colour.

1. Wall mounting
2. Electrical components housing
3. Indirect light
4. Direct light for reading and examining
5. Direct light cover plate
6. Indirect light cover plate

EQUIPMENT AND SYSTEMS

NAP is an electric unit ready for connection to a central point, with sockets and switches already wired to the central terminal connection.

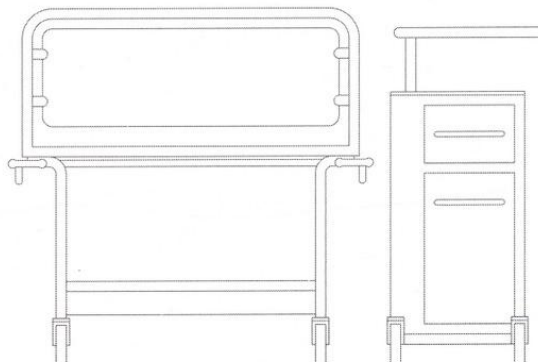
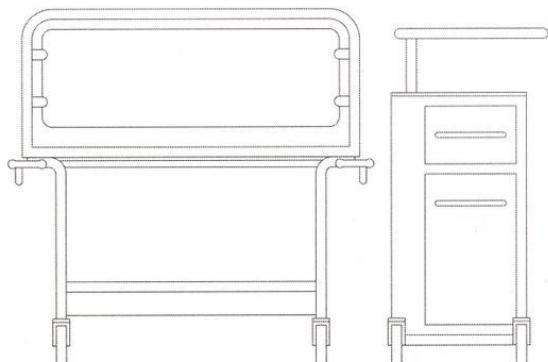
The electrical equipment can be chosen from among all the series on the market, without any constraint except to verify its compatibility, in terms of mechanical size, with the structure and the size of NAP.

PLANNING

For the proper identification of the primary characteristics of NAP it is recommended to:

- Determine the most appropriate lighting configuration;
- Specify the position of the bedside table
- Specify the electrical services deemed necessary

These data will be reviewed and processed by our Technical Department which will provide mechanical and electrical drawings related to the project, if necessary, adapting them to the building requirements and relevant regulations.



STILOS

design by Andrea Rovatti

Vertical service system for ward





Stilos is registered in the Directory of Medical Devices of the Ministry of Health with assigned sequence number 1117231.
Stilos is a Medical Device marked CE according to Directive 93/42CEE and is manufactured and tested in Italy.

The need in the inpatient environments to resemble the aesthetic criteria, and type of comfort to those typical of hotels, lead to the development of alternatives to the traditional system of the horizontal bed head unit.

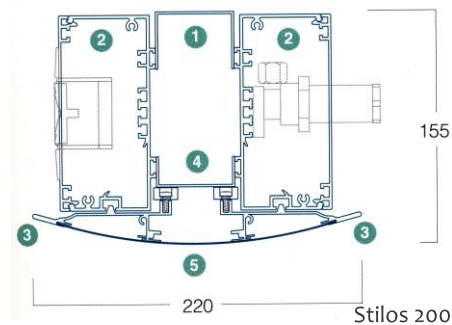
So STILOS was designed, a vertical unit for one bed made with of a set of extruded aluminium profiles, assembled with a front cover in high pressure laminate in various finishes.

Separately stored in the two side profiles are the low-voltage, very low voltage facilities and medicinal gas pipes, without having the dimensional limits imposed by the bodies of the traditional type of bed head lighting units.

STILOS must be coupled to a lighting unit capable of providing the different types of illumination generally considered necessary for the hospitalised patient (for example Nap or Artemis).

TECHNICAL DETAILS

1. Bracket for wall mounting
2. Extruded aluminium conduit for housing the electrical and medical gas equipment
3. Extruded aluminium side profile
4. Front bracket
5. High-pressure laminate sheet



BODY AND FRONT PANEL

The main body consists of two extruded aluminium profiles, closed at the front by a snap on cover, painted with polymerised epoxy powder Ral 9006 colour.

The upper and lower heads are laser cut aluminium, painted the same colour of the body.

The front panel, chosen in a wide range of finishes and colours, is made of high-pressure laminate, closed between two lateral wings of extruded aluminium painted the same colour as the body.

ABS end caps, painted RAL 9006, are used to close the upper and lower front panel.

EQUIPMENT

Each type of electrical, communication or service accessory can be installed in the lateral profiles of STILOS. Even the night lighting, obtainable with LED Modules, can be integrated in the body of STILOS so that the beam spreads from the base to illuminate the floor.



Stilos 200



Stilos 200

INSTALLATION

The installation is done using a bracket fixed to the wall which is already integrated in the body; the attachment of the front by magnets, guarantees an extreme ease of access to the technical compartment in case of maintenance.

EQUIPMENT AND SYSTEMS

Stilos is an electric unit, ready to be connected to a central point, with sockets and switches already wired to the central terminal connection.

The electrical equipment can be chosen from among all the series available on the market, without any constraint except to verify its compatibility, in terms of structural size, with the structure and the size of STILOS.

PLANNING

For proper identification of the primary characteristics of STILOS it is recommended to:

- Specify the electrical facilities deemed necessary;
- Specify the set ups relating to the medical gas system;
- Specify the finish of the front panel;
- Specify, if necessary, the lighting unit to be integrated with STILOS

These data will be reviewed and processed by our Technical Department which will provide mechanical and electrical drawings related to the project, if necessary, adapting them to the building requirements and relevant regulations.

MODELS

Stilos 200: classic model with front cover without light points

Stilos 300: model with light point in the front cover

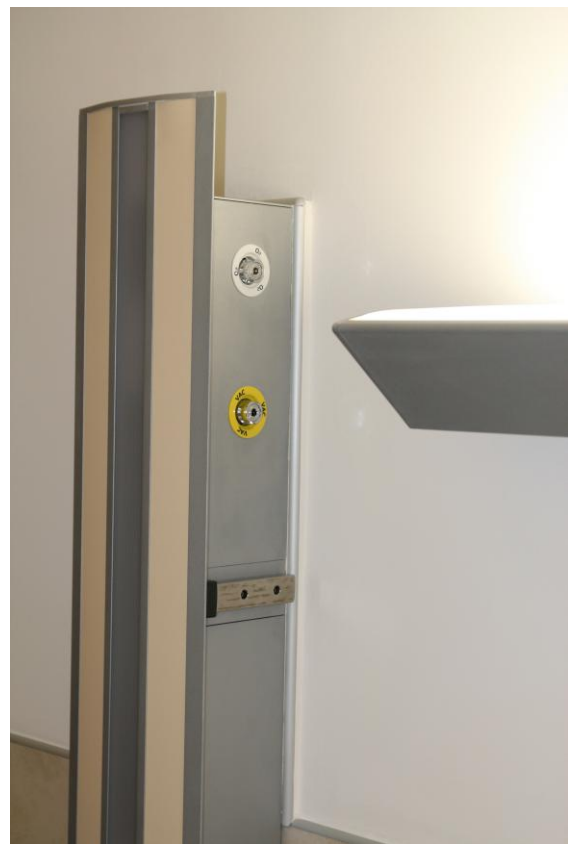




STILOS is a vertical unit for one or two beds, made of a set of extruded aluminium profiles, assembled with a front cover in high pressure laminate in various finishes and, optionally, with a central insert in methacrylate, backlightable with LED Modules or T5 lamps; the light intensity can be adjusted with dimmer systems or by mixing RGB colours.



Stilos 300



Stilos 300

POLIS

Service panel for hospital rooms





Polis is registered in the Directory of Medical Devices of the Ministry of Health with assigned sequence number 1117234. Polis is a Medical Device marked CE according to Directive 93/42CEE and is manufactured and tested in Italy.

POLIS is a flexible project to ensure that the bed head has the necessary facilities such as electricity and medical gas system terminal units, telecommunications and data communication utilities, everything with a rationally designed body, with aluminium technical profiles in simple compositions to cover any structural requirement.

POLIS can be mounted on the outer wall or recessed into the wall.

In case of intensive use of the utilities, instead of the sliding front panel it is advisable to fix an aluminium frame finish.

PLANNING

For proper identification of the primary characteristics of POLIS it is recommended to:

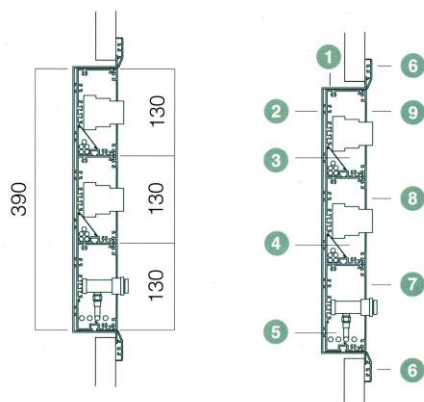
- Specify the electrical facilities deemed necessary;
- Specify the set ups relating to the medical gas system;
- Specify, if necessary, the lighting unit to be integrated with POLIS.

These data will be reviewed and processed by our Technical Department which will provide mechanical and electrical drawings related to the project, if necessary, adapting them to the building requirements and relevant regulations.

TECHNICAL DETAILS

Example of composition recessed into the wall with three profiles:

1. Steel sheet box for recessing
2. Aluminium profile
3. Housing for low voltage conductors
4. Compartment for communication and data wires
5. Housing for medical gas piping
6. Aluminium closing frame
7. Gas compartment aluminum snap-on cover
8. Low voltage compartment aluminium snap-on cover
9. Low voltage compartment aluminium snap-on cover



BODY

The main body is made from a composition of extruded aluminium profiles, closed on the front by a snap on cover, painted with polymerised epoxy powder, standard colour RAL 9006 gray.

The profiles contain and distribute medical gases, low voltage and very low voltage systems.

The aluminium profiles and the magnetic frame finish are fitted to the box.





DEMOS

design by Targetti Health/ Luca Tomei

Bed head wall furniture and service for hospital rooms





Demos is registered in the Directory of Medical Devices of the Ministry of Health with assigned sequence number 1216247. Demos is a Medical Device marked CE according to Directive 93/42CEE and is manufactured and tested in Italy.

DEMOS is a wall unit coming from a great project idea: to free the hospital rooms from any technical constraints.

DEMOS is composed of one, two or three horizontal panels in high pressure laminate installed on a steel supporting structure: the technology that a modern hospital room requires is hidden in the compartment which is created between the front panels and the back wall, so they can be distributed to the element designed for the electrical, communication and medical gas appliances.

DEMOS is a system characterised by a surface finish of excellent hygiene, shock, wear, water and scratch-resistant and resistant to micro-organisms, also certified for its use in environments with special needs.

Made to the customer's specifications in size and with the various appliances with which it can be fitted, it can be integrated with a lighting unit capable of providing the different types of lighting generally required for a comfortable hospital stay (like NAP, for example).

LIGHTING



LED lighting is made with high-efficiency modules. LED Modules are sized by our technical office to provide the best light emissions based on the characteristics of the environment.

eLED^{line} modules are installed in the unit, which guarantee a very long life of the product with high luminous efficiency and low consumption (more light generated with less power). The light is clear and brilliant, the perception of the human eye is of natural illumination.

The color temperature is calibrated to provide the best compromise between patient well-being and the operational need of the ward.

Light emission, on request, can be dimmable by button, DALI protocol, 1-10V switch, or smartphone/tablet APP.

General indirect lighting is usually supplied by LED Modules, A cover sheet of lined polycarbonate protects the modules from dust.

Visit and reading light and direct light to illuminate the environment is usually supplied by LED Modules.

With Demos there is also the possibility to mount LED Modules for lateral light emission and a blue LED strip, to help with orientation during the night hours.





FRONT PANELS

The front structure of DEMOS is made of one, two or three panels in high pressure laminate. The manufacturing technologies and the characteristics of the material allow processing the panels without any kind of limitation; cuts, holes and shapes can be made in any size and shape.

The top panel can, for example, be processed in order to be transformed into a "frame" or "window" with a frosted glass, backlit with RGB systems or dimmers.

Typical of DEMOS panels is the particular processing of the edges and cuts, made with high precision, in order to obtain edges without sharp corners, for greater safety when using DEMOS and for greater robustness of the panels themselves.

The main body consists of two extruded aluminium profiles, closed at the front by a snap on lid, painted with polymerised epoxy powder Ral9006.

The profiles contain and distribute separately, low voltage, very low voltage and medical gases.

The supporting structure is made of steel sheet. Uprights and crossbars are pre-assembled and then applied to the walls. The three front panels engage individually and independently to the structure; this provides access to the technical space and the wiring simply by removing a single panel.

EQUIPMENT

DEMOS are an electric unit ready for connection to a central point, with sockets and switches already wired to the central terminal connection.

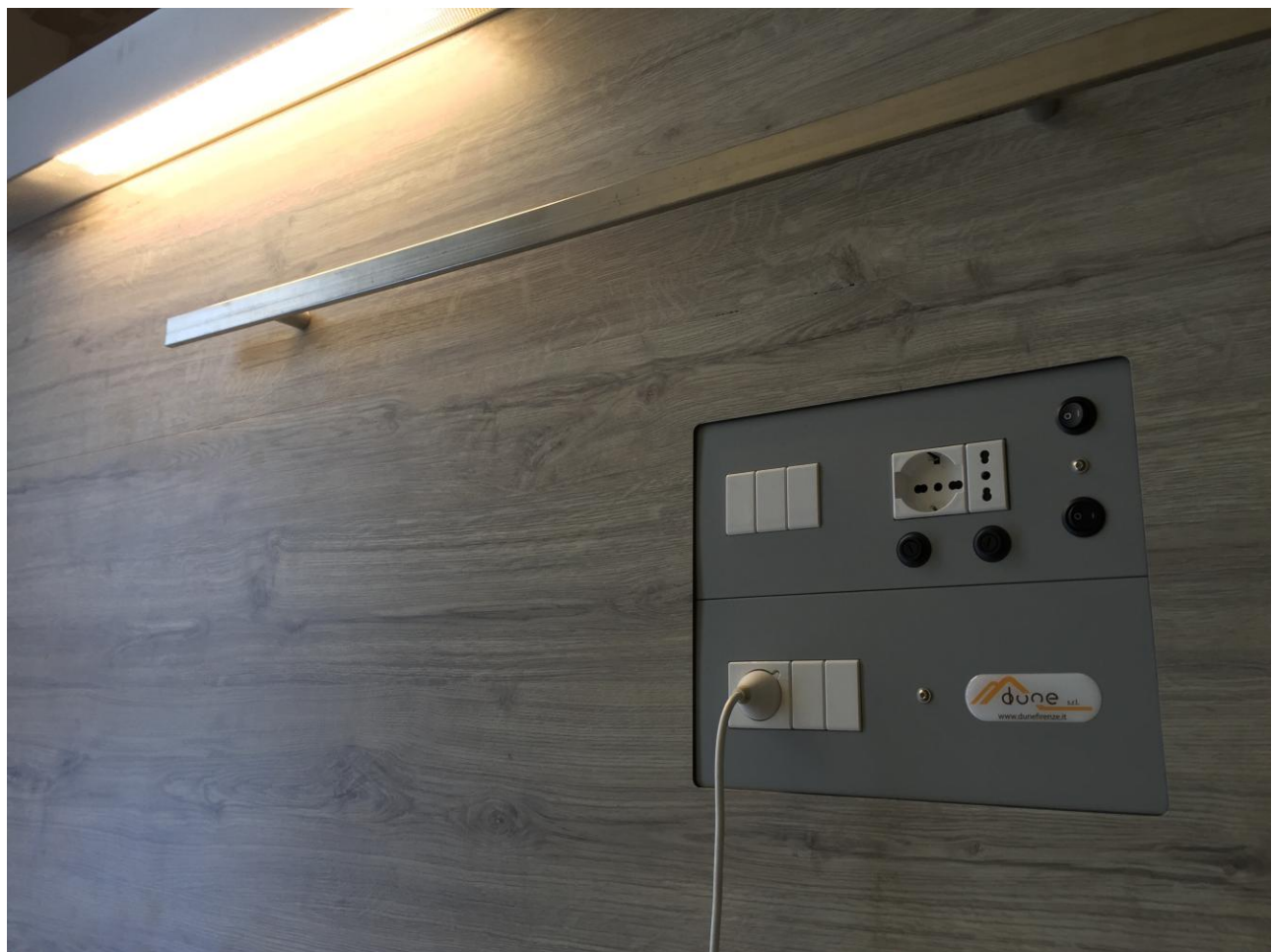
The electrical equipment can be chosen from among all the series available on the market, without any constraint except to verify its compatibility, in terms of structural size, with the structure and the size of DEMOS.

PLANNING

For proper identification of the primary characteristics of DEMOS it is recommended to:

- Specify the electrical facilities deemed necessary;
- Specify the set ups relating to medical gases
- Specify the finish of the front panels
- Specify, if necessary, the lighting unit to be integrated with DEMOS.

These data will be reviewed and processed by our Technical Department which will provide mechanical and electrical drawings related to the project, if necessary, adapting them to the building requirements and relevant regulations.



SKIA

Bed Head unit for intensive care rooms



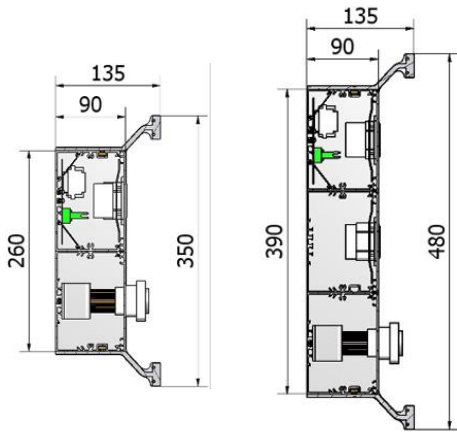
In areas requiring maximum efficiency, speed and precision, everything has to be on hand: tools, machines, sockets, must be easily accessible and readily identifiable to avoid mistakes.

SKIA was designed to respond to this need, a compact and versatile technical unit. A rich set of sockets, data sockets, and medical gas outlets are distributed across the front in an ergonomic way, to enable easy identification and use.

SKIA is made in three versions: wall mounted, hanging from the ceiling or fixed to the floor by uprights.



SKIA is registered in the Directory of Medical Devices of the Ministry of Health with assigned serial number 1117146
SKIA is a Medical Device marked CE according to Directive 93/42CEE and is manufactured and tested in Italy



EQUIPMENT AND SYSTEMS

SKIA is an electric unit, ready to be connected to a central point, with sockets and switches already wired to the central terminal connection.

The electrical equipment can be chosen from among all the series available on the market, without any constraint except to verify its compatibility, in terms of structural size, with the structure and the size of SKIA.

BODY

The main body is made from the composition of extruded aluminium profiles, closed on the front by a snap on cover. The profiles contain and distribute separately, low voltage, very low voltage and medical gases.

Each profile is locked individually and independently by its snap on cover; this enables to access the technical space and the wiring by simply removing a single panel.



ACCESSORIES

For top and bottom closure, SKIA has an extruded aluminium profile with a terminal track, allowing the installation of equipment and accessories, such as shelves, drawers, monitors, blood pressure monitors, lamps and anything else needed for the patient's benefit.



LIGHT SOURCES



LED lighting is made with high-efficiency modules. LED Modules are sized by our technical office to provide the best light emissions based on the characteristics of the environment.

eLED^{line} modules are installed in the unit, which guarantee a very long life of the product with high luminous efficiency and low consumption (more light generated with less power). The light is clear and brilliant, the perception of the human eye is of natural illumination. The color temperature is calibrated to provide the best compromise between patient well-being and the operational need of the ward. Light emission, on request, can be dimmable by button, DALI protocol, 1-10V switch, or smartphone/tablet APP.

Indirect lighting is supplied by LED Modules with a polycarbonate cover sheet, with different power and length according to the needs and the size of the unit.

The reading light, with a polycarbonate optical system, is also made with LED Modules.

The light for visits and examinations can be made with a lamp with a swivel arm with three joints that can be attached by means of a sliding clamp or fixed directly to a preferred position.

Finally, with SKIA, there is the possibility to fit a strip of blue LEDs to help with orientation during the night hours.





SKIA versione Easy Rail e Totem

Elements at the patient's service

Easy is a flexible project, intended for all those environments that require facilities for the patient provided by a simple and cheap element.

Easy consists of extruded aluminium profiles, closed at the front by a snap on cover, painted with polymerised epoxy powder in standard colour RAL 9003. The profiles contain and distribute medical gases, low voltage and very low voltage systems.

The profiles are closed by aluminium covers, painted like the body. Easy is an electric unit ready for connection to a central point, with sockets and switches already wired to the central terminal connection. The electrical equipment can be chosen from among all the series available on the market, without any constraint except to verify its compatibility, in terms of structural size, with the structure and the size of Easy.

Our technical department is available to evaluate the most appropriate solution.

The easy family consists of the following models:

- Easy RAIL where the orientation of the bed head is traditional and the unit is installed horizontally at the "head of the bed"
- Easy TOTEM where the orientation is vertical and the unit is installed next to the bed or in the middle, shared between two beds.



CERTIFICATO

kiwa

Reg. Numero / Reg. Number	17134 - A	Valido da / Valid from	2018-07-13
Primo rilascio / First issue date	2003-05-28	Ultima modifica / Last change date	2018-07-13
Sede/Unità / Head office	2021-05-09	Servizio IAF / IAF office	EA, 28, 19

Certificato del Sistema di Gestione per la Qualità ISO 9001:2015

Si dichiara che il sistema di gestione per la Qualità dell'Organizzazione:

DUNE S.r.l.

è conforme alla norma UNI EN ISO 9001:2015 per i seguenti prodotti/servizi:

Progettazione e produzione di unità testate e di sistemi parali articolati e fissi per la distribuzione di gas medicinali e per l'evacuazione di gas anestetici. Progettazione, installazione e manutenzione e assistenza di impianti per la distribuzione di gas medicinali. Manutenzione di impianti per la distribuzione di gas tecnici di laboratorio. Realizzazione di disegni su supporto cartaceo e/o elettronico.

Chief Operating Officer
Giampiero Belcredi

kiwa

Il mantenimento della certificazione è soggetto a sorveglianza annuale e subordinato al rispetto dei requisiti contrattuali di Kiwa Cermet Italia. Sistema di gestione per la qualità conforme alla norma ISO 9001, valutato secondo la prassi del Regolamento Tecnico Accreditato RT 05. La presente certificazione si intende riferita agli aspetti gestionali dell'impresa nel suo complesso ed è valida fino alla qualificazione della impresa o costruzione o rinnovo dell'edificio in base al D.Lgs. 50/2013 e s.m.i. e al Linea Guida ANAC applicabile. Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute dello stato della certificazione di cui al presente certificato, si prega di contattare il telefono +39 051 483.1111 o e-mail: info@cermet.it. Il presente certificato è costituito da 1 pagina. La data di rilascio di questo certificato corrisponde alla data di primo rilascio da parte di altro Ente accreditato.

DUNE S.r.l.
Sede Legale
Via delle Tre Piante, 2 50141 Firenze Italia
Sedi e punti di certificazione
- Via delle Tre Piante, 2 50141 Firenze Italia

CERMET **IAF** **ACCREDIA**

CERTIFICATO

kiwa

Reg. Numero / Reg. Number	17134 - M	Valido da / Valid from	2018-07-13
Primo rilascio / First issue date	2003-05-28	Ultima modifica / Last change date	2018-07-13
Sede/Unità / Head office	2021-05-09		

Certificato del Sistema di Gestione per la Qualità ISO 13485:2016

Si dichiara che il Sistema di Gestione per la Qualità dell'Organizzazione:

DUNE S.r.l.

è conforme alla norma UNI CEI EN ISO 13485:2016 per i seguenti prodotti/servizi:

Progettazione e produzione di unità testate e di sistemi parali articolati e fissi per la distribuzione di gas medicinali e per l'evacuazione di gas anestetici. Progettazione, installazione e manutenzione e assistenza di impianti per la distribuzione di gas medicinali.

Chief Operating Officer
Giampiero Belcredi

kiwa

Il mantenimento della certificazione è soggetto a sorveglianza annuale e subordinato al rispetto dei requisiti contrattuali di Kiwa Cermet Italia. Sistema di gestione per la qualità conforme alla norma UNI CEI EN ISO 13485:2016. La data di primo rilascio del certificato corrisponde alla data di primo rilascio da parte di altro organismo accreditato. Il presente certificato è costituito da 1 pagina.

DUNE S.r.l.
Sede Legale
Via delle Tre Piante, 2 50141 Firenze Italia
Sedi e punti di certificazione
- Via delle Tre Piante, 2 50141 Firenze Italia

CERMET **IAF** **ACCREDIA**

CERTIFICATE

kiwa

Reg. Numero / Reg. Number	MED 31536	Revisione / Revision	0
Primo rilascio / First issue date	2018-12-13	Valido da / Valid from	2018-12-13
Sede/Unità / Head office	2023-12-12	Ultima modifica / Last change date	2018-12-13

Certificato CE del Sistema di Garanzia della Qualità EC Quality Assurance System Certificate

Si certifica che, sulla base dei risultati degli audit effettuati, il Sistema completo di garanzia di Qualità dell'Organizzazione: *We certify that, on the basis of the audits carried out, the full Quality Assurance System of the Organization:*

DUNE S.r.l.

Sede Legale e Operativa / Registered and Operational Headquarters:
Via delle Tre Piante, 2
50127 Firenze, FI - Italia

è conforme ai requisiti applicabili della Direttiva 93/42/CEE e successive modifiche ed integrazioni. Allegato il modulo il pto. 4, attuale in Italia con Digs. 46 del 1997/02/24 e successive modifiche ed integrazioni per le seguenti tipologie di Dispositivi Medici *is in compliance with the applicable requirements of 93/42/EEC Directive as amended Annex II without point 4, transposed in Italy by Digs. 46 of 1997/02/24 as amended for the following Medical Devices:*

Impianti per evacuazione di gas medicinali / *Anaesthetic gas scavenging disposal systems*
Impianti per la distribuzione di gas medicinali / *Medical gas pipeline systems*
Unità testate e sistemi parali articolati e fissi per la distribuzione di gas medicinali / *Bed side units and articulated and fixed units for the supply of medical gases*

Chief Operating Officer
Giampiero Belcredi

CERMET **CE** Organismo Notificato n. 0476
Notified Body nr. 0476

CERTIFICATE

kiwa

Reg. Numero / Reg. Number	MED 31636	Revisione / Revision	0
Primo rilascio / First issue date	2018-12-13	Valido da / Valid from	2018-12-13
Sede/Unità / Head office	2023-12-12	Ultima modifica / Last change date	2018-12-13

Allegato tecnico al Certificato / Technical sheet enclosed to the Certificate

Identificazione dei Dispositivi Medici / Identification of Medical Devices:

Tipologia / Medical Device:
Impianti per evacuazione di gas medicinali / *Anaesthetic gas scavenging disposal systems*

Classe di rischio / Risk class:
II

Codice NANDO / ANADO codice:
MD 1112

Tipologia / Medical Device:
Impianti per la distribuzione di gas medicinali / *Medical gas pipeline systems*

Classe di rischio / Risk class:
II

Codice NANDO / ANADO codice:
MD 1112

Tipologia / Medical Device:
Unità testate e sistemi parali articolati e fissi per la distribuzione di gas medicinali / *Bed side units and articulated and fixed units for the supply of medical gases*

Classe di rischio / Risk class:
II

Codice NANDO / ANADO codice:
MD 1112

Marca / Brandname:
DUNE

Modello / Model:
Braccio Snodato - Unità di alimentazione per uso medico / *Hinged arm - Power supply unit for medical use*
Mastello / Mastell
Torretta Pansella - Unità di alimentazione per uso medico / *Tower - Power supply unit for medical use*

Modello / Model:
Unità Testa Letto - Unità di alimentazione per uso medico CAL A, CAL A+B, CAL A+B-D / *Bed side unit - Power supply unit for medical use CAL A, CAL A+B, CAL A+B-D*

Chief Operating Officer
Giampiero Belcredi

CERMET **CE** Organismo Notificato n. 0476
Notified Body nr. 0476

CERTIFICATE

kiwa

Reg. Numero / Reg. Number	MED 31636	Revisione / Revision	0
Primo rilascio / First issue date	2018-12-13	Valido da / Valid from	2018-12-13
Sede/Unità / Head office	2023-12-12	Ultima modifica / Last change date	2018-12-13

Allegato tecnico al Certificato / Technical sheet enclosed to the Certificate

Identificazione dei Dispositivi Medici / Identification of Medical Devices:

Tipologia / Medical Device:
Unità testate e sistemi parali articolati e fissi per la distribuzione di gas medicinali / *Bed side units and articulated and fixed units for the supply of medical gases*

Marca / Brandname:
DUNE

Modello / Model:
Unità Testa Letto - Unità di alimentazione per uso medico CAL Z / *Bed side unit - Power supply unit for medical use CAL Z*
Unità Testa Letto - Unità di alimentazione per uso medico Demos / *Bed side unit - Power supply unit for medical use Demos*
Unità Testa Letto - Unità di alimentazione per uso medico Polia / *Bed side unit - Power supply unit for medical use Polia*
Unità Testa Letto - Unità di alimentazione per uso medico SKIA, SKIA easy / *Bed side unit - Power supply unit for medical use SKIA, SKIA easy*
Unità Testa Letto - Unità di alimentazione per uso medico Sitos / *Bed side unit - Power supply unit for medical use Sitos*
Unità Testa Letto - Unità di alimentazione per uso medico Xenia / *Bed side unit - Power supply unit for medical use Xenia*

La lista completa dei codici, relativi ai modelli certificati, è disponibile presso Kiwa Cermet Italia. / *The complete list of the codes relative to the certified models is available at Kiwa Cermet Italia. Il presente Certificato è soggetto ai requisiti dei requisiti contrattuali di Kiwa Cermet Italia ed è valido solo per le tipologie di dispositivi sopra identificati (cfr. allegato a integrazione). The Certificate is subject to the Kiwa Cermet Italia contractual requirements and is valid only for the above mentioned Medical Devices that are subject to survey. L'allegato tecnico è parte integrante del presente Certificato. / *The technical sheet is an integral part of the Certificate.**

Chief Operating Officer
Giampiero Belcredi

CERMET **CE** Organismo Notificato n. 0476
Notified Body nr. 0476



Dune s.r.l. - Via delle Tre Pietre, 2 - 50127 Firenze- Italy -

Tel. +39 0554378966 - Fax +39 0554379479 -

Fiscale/P.IVA/Reg. Imprese-FI 03624560482 -

www.dunefirenze.it