

BIOLED bed head unit



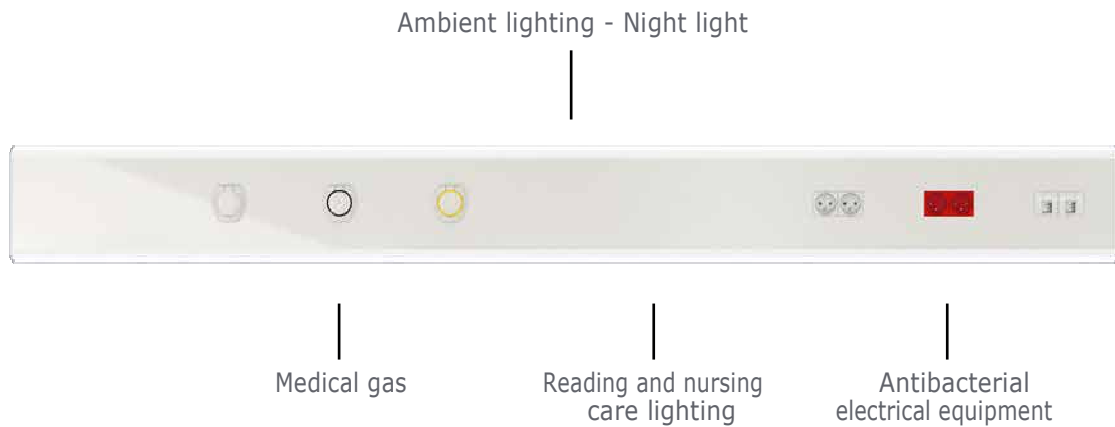
Trademark

Specially developed by IOL designer agency, the BIOLED is the concentration of a new technology for lighting system (efficient energy saving) together with a compact customized deigned Bed Head Unit for a special « hotel » room comfort in the hospital.

Thanks to its minimalist design, the BIOLED is the central piece of aesthetic hospital room.

Available in 3 different types : Standard line with epoxy painted RAL colors, Signatureline with laminate wood of any finishes (to match the room furniture) and Colibri line when integrated into the wood panel, the BIOLED is the new answer to all hospital room requirements.

BIOLED bed head unit



ELECTRICAL EQUIPMENT & MEDICAL GAS OUTLETS

Bacteria resistant electrical sockets. In conformity with all International standards.

Easy electrical terminals for wiring connections (WAGO type)

Earth contact by cable on all removable covers.

Electrical and medical gases equipment modular system.

Special insulated plastic housing for electrical equipment and steel for medical gases attached to the aluminium trunking.

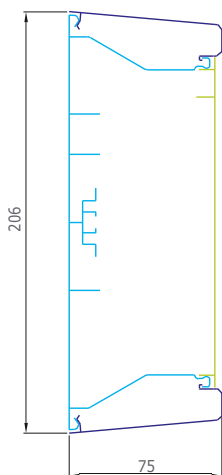
Total compatibility with major European components.

Robust and modular system for all brand of gas outlet mounted on stainless steel brackets. Special finish with a cast aluminium cover (white or grey epoxy paint).

Possible use of the medical gas manufacturer cover.

Efficient ventilation by no visible openings under the covers for a better asepsis (in conformity with ENISO 11197 standards and hygiene associations recommendations).

SECTION PROFILE



SUPPLY DUCTS



Medical gas outlet feedings points can be either lateral, rear (special cutting) or by segregate aluminium profile ducts.

2 types of ducts are available according to the technical specifications and/or design (twin system if required).

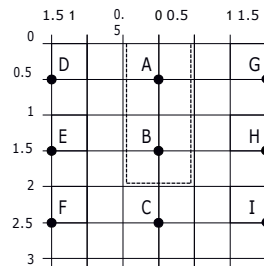
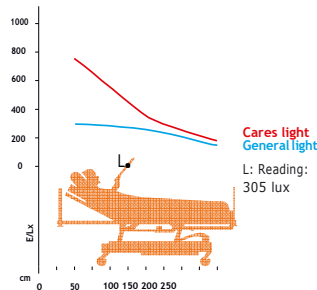
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FULL LED LIGHTINGS

- Low luminance by integration of LED battens under a unbreakable opal polycarbonate (specially used for LED technology).
- Ambient general light of 8010 lumen (1680 mm) – 4000°k – CRI > 85 or Full LED batten with integrated night light (optional).
- Direct reading/care light of 2130 lumen (560 mm) – 3000°K on inclined plane (1 or 2 battens accordingly).
Possible sliding positioning of the lighting system to match the axis of the bed
- Electronic components and LED converters.
- Heat dissipation of LED battens thanks to direct position to the aluminum profile : 50 000 hours' guarantee.
- Integrated night light: Inside the general up light batten or direct light for night care controls.

BIOLED									
	A	B	C	D	E	F	G	H	I
General Light	280	245	160	170	160	140	170	160	140
Reading Light	495	90	30	55	35	25	55	35	25
Cares Light	760	330	185	225	200	145	225	200	145

Modules LED: 8010 lm



LED LIGHTINGS

Thanks to the new technology the energy saving lightings offer high results in lighting levels, color rendering index, illumination....

Technical performances of this technology also allows (option) a dedicated RGB system for CRI variation according to daylight.

Possible circadian cycle by "Biodynamic" lighting.

CONTROLS

A self-powered electronic device connected to the handset for control of lightings and roller blinds (with LIGHT controls).

A luminosity or presence detector can also be installed save more than 30 % of energy savings.

VARIOUS CONFIGURATIONS

The BioLED is adapted for all type of rooms (Surgery, Maternity, Geriatric....) in accordance with the room layout. Thus you can customize any rooms with design, look and healing.

BIOLED : STANDARDLINE

With its minimal design the BIOLED is available in RAL 9016 White Mat epoxy finish painted

(Any other colors on demand)



BIOLED : SIGNATURE LINE

Over 1000 various wood finishes matching the room furniture thanks to our expertise in hospital room layouts and carpenter.

BIOLED : COLIBRI LINE

Any possible creative design :

- Direct lighting system with electricity and medical gas integration (upper trunking when placed at 1m40 from ffl).
- Indirect general light system with electricity and medical gas integration (lower trunking when placed at 1m60 from ffl with additional Acrylic decorative lighting panel).



TECHNICAL DATAS

- Design and Technology in conformity with Standards EN ISO 11197 (Technical units for medical use).
- Lighting systems in conformity with Standards NF EN 12464-1 and French Lighting associations recommendation (Feb-2000).
- Electrical registration Class I NF EN 60601-1.
- IP20 protection rate.
- 850°C incandescent wire tested (NF EN 60695-2-11).
- Average weight : 8 kg/ linear meter (according to configuration).
- Epoxy paint finish white RAL 9016 (or grey RAL 9006)
- Materials : Aluminium and polycarbonate.
- Easy cleaning and disinfection with a soft cloth and disinfectant.
- Cardboard and shrink wrap packaging.
- Wall mounting system by plugs and screws suitable for each support.