MEDISSIMA LED Dynamic Lighting

TLV Healthcare

Normal care / Horizontal bed head unit

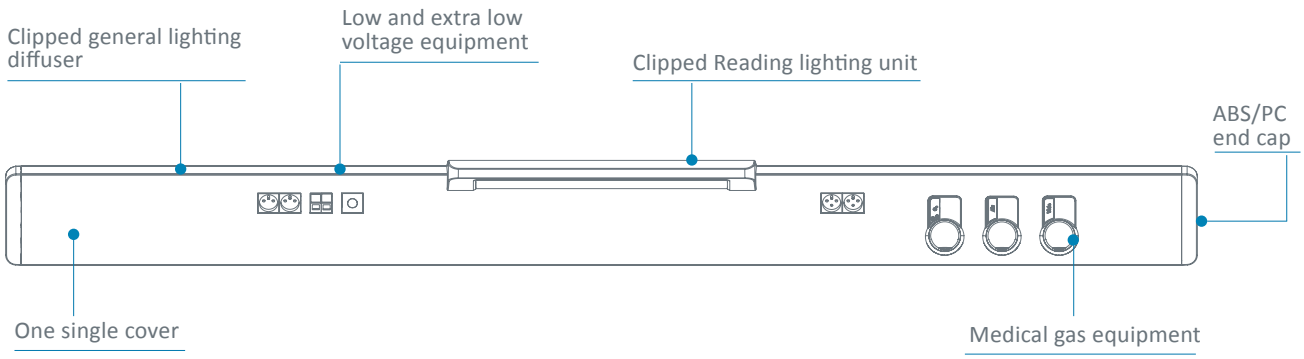
Design & Ergonomics

MEDISSIMA's equipment and accessories are within easy reach for users. Its smooth surfaces facilitate cleaning and disinfection.

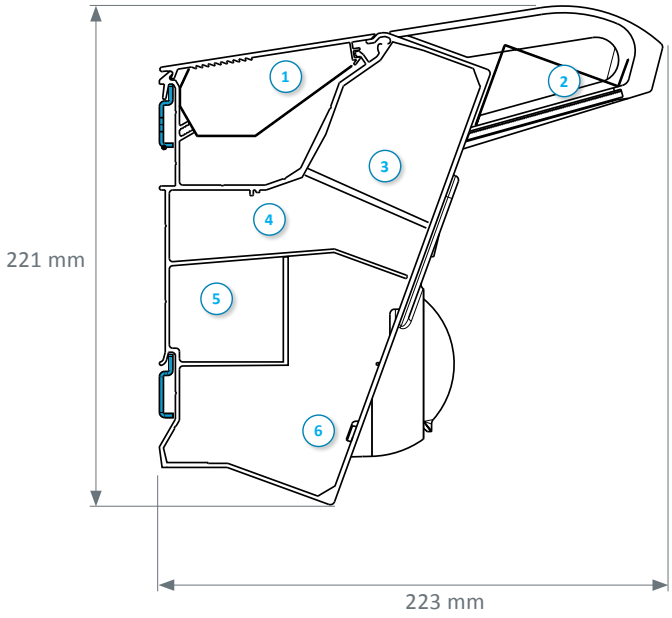
Medical gas casing

The innovative design of the medical gas casing and its integration to the front, ease the installation and maintenance. Retractable flap has been designed in the respect of MEDISSIMA's aesthetics.

Front view



Cross-section



1. Night orientation and general lighting compartment
2. Reading lighting unit
3. Electrical equipment
4. Low voltage compartment
5. Extra low voltage compartment
6. Medical gas compartment

Colours

	White RAL 9016	Grey RAL 7035	Grey RAL 7040
Aluminum profile	●	●	
Medical gas casing	●		●
End caps	●		●
Lighting unit			●

FUNCTIONALITY

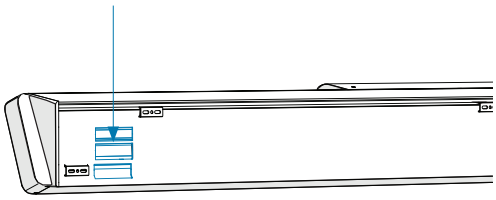
Custom made Medissima offers good modularity thanks to its configuration and its integration into care area. It is convenient for installation and maintenance.

Power supply

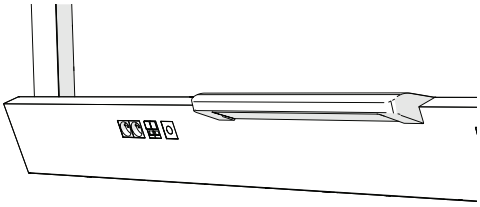
MEDISSIMA is designed to be fed :

- From the wall (A)
- From the ceiling, by a riser (B)
- From the side through an extra duct (C)

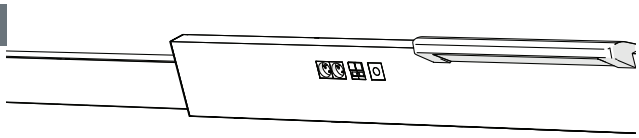
A



B

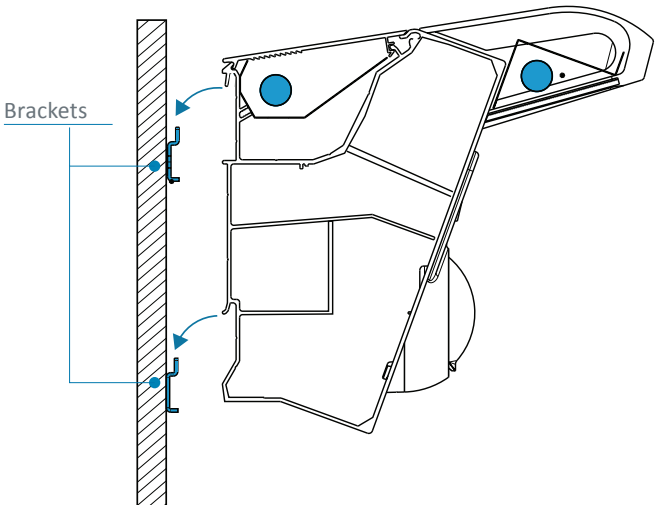


C



Installation & maintenance

The wall mounting system with an easy locking procures a real time saving during installation.



Electrical equipment integration

The waterjet cutting of the Medissima's cover enables exact and customized cutting. It can integrate all forms of outlets. Flush mounting of electrical equipment enables easier cleaning and disinfection of the product.

Medical gas casing

The ABS/PC medical gas casing are available with flap (A), or without flap (B). They enable the integration of all gas outlet type (AFNOR, DIN, BS…).

A

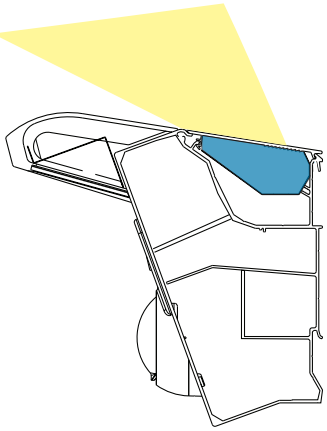
B

CONTROLLED LIGHTING

Its optical design allows perfect control of the lighting, favouring the well-being of care teams and patients.

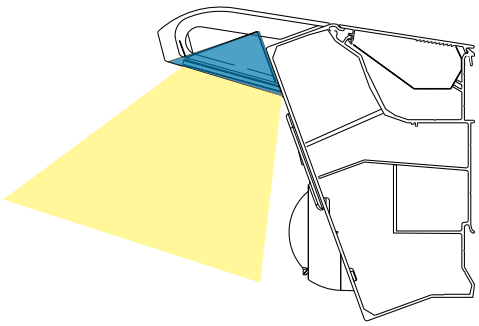
General lighting

- Extruded PMMA* diffuser with asymmetric grooves
- MIRO 20 SILVER® aluminum reflector



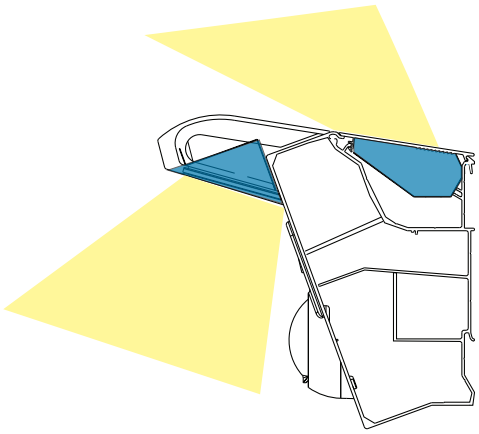
Reading lighting

- Pressed PMMA* micro-prismatic diffuser
- MIRO 20 SILVER® aluminum reflector



Caring lighting

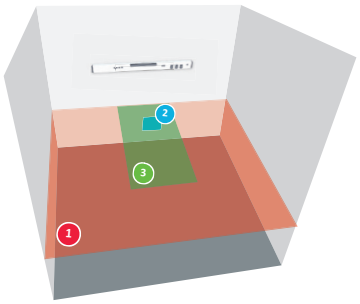
Caring lighting combines direct (reading) lighting with indirect (general) lighting.

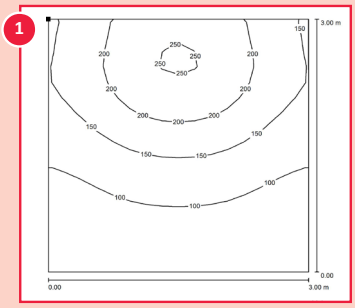
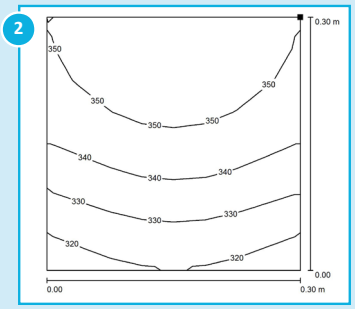
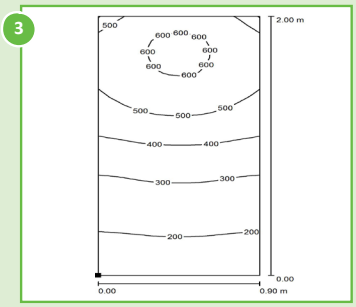


*Polymethyl Metacrylate

Lighting study

- Standard room
- Dimensions of the room: 3 m x 3 m, ceiling clearance 2.5 m
- Reflection coefficients: ceiling 7, walls 5, and floor 3
- Coefficient of depreciation 0.83



	General lighting Virtual general lighting plane of a surface equal to the one of the room, located 0.85 m above the floor (3 m x 3 m for a single room).	Reading lighting Virtual reading plane 0.3 m x 0.3 m inclined at 75° located 1.1 m from the floor and 1 m from the wall where the unit is located.	Caring lighting Virtual examination plane 2 m x 0.9 m located 0.85 m from the floor, centred in width and 0.1 m from the wall.
LED	**4 ft module** 	**2 ft module** 	**General and reading lighting combined** 
Consumption	42,2 W	15,9 W	58,1 W
Average lighting	140 lx	326 lx	394 lx

Lighting power

Lighting	Modules power	Types of sources	Color temperature	Luminous flux (1)	Consumption	System Efficiency	Driver(s)
General lighting	35,9 W (4 Ft)	LED	3000 K 4000 K	5965 lm	42,2 W	141,4 lm/W	Fixed /DALI
	44,3 W (5 Ft)	LED	3000 K 4000 K	7390 lm	51,5 W	143,6 lm/W	Fixed / DALI
Reading lighting	12,5 W (2 Ft)	LED	3000 K 4000 K	2173 lm	15,9 W	136,6 lm/W	Fixed / DALI
Night light	1 x 3,1 W	LED	3000 K	335 lm	4,9 W	68,1 lm/W	Fixed

(1) All the luminous flux indicated in the brochure are based on the flux of the LED modules also known as system flux.

Luminaire output flux = (Module flux) x (optical efficiency), the optical efficiency of the luminaire is indicated in the Eulumdat file (LDT line 23) available for download on our website or on request.

Norms & recommendations

- EN ISO 13485: Quality management systems
- CE Medical Devices Marking according to 93/42/EEC Directive
- EN ISO 11197: Medical supply units
- EN ISO 7396-1: Medical gas pipeline systems - Part 1
- European rules for caring centers lighting

Ceiling pendants, Suspended Beams & Columns, Bed head units / trunkings,
Sealed ceiling lightings, Medical gases monitoring & Biomedical Accessories

MADE IN FRANCE

TLV Healthcare

22, rue Molière, BP 369 - 59057 Roubaix (Lille) - Cedex 1, France
Tel: + 33 (0) 3 20 81 50 00 - Fax: + 33 (0) 3 20 81 50 19 - www.tlv.fr – contact@tlv.fr