



### + Continuous lighting

The LED version of the FLUIDYS offers the possibility of a continuous direct light, adding an aesthetic appreciation.

### + Design and ergonomics

The bed head unit can incorporate an optional 300 mm long medical accessory mounting rail. This rail can be positioned at the top or bottom of the bed head unit.

### + Medical gas casing

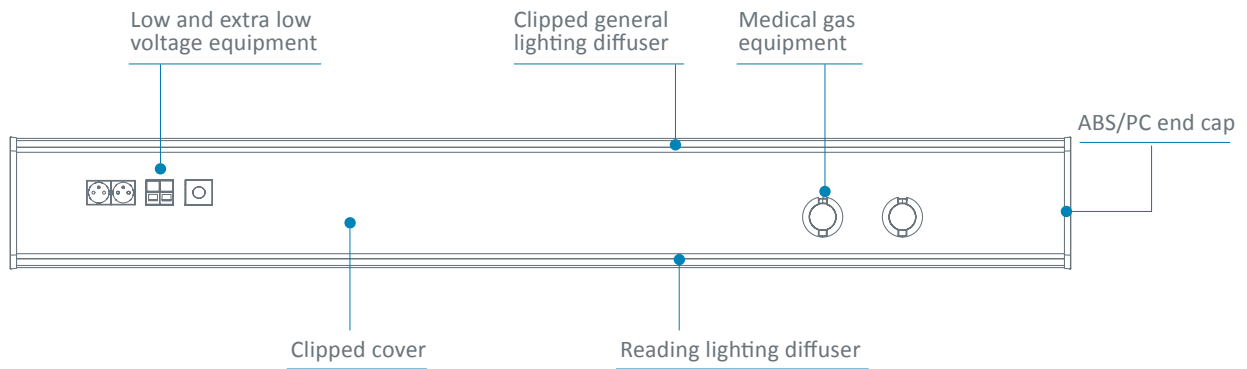
These easy-clean medical gas casing provide protection.

They are securely fastened to the cover, for easy installation and maintenance.

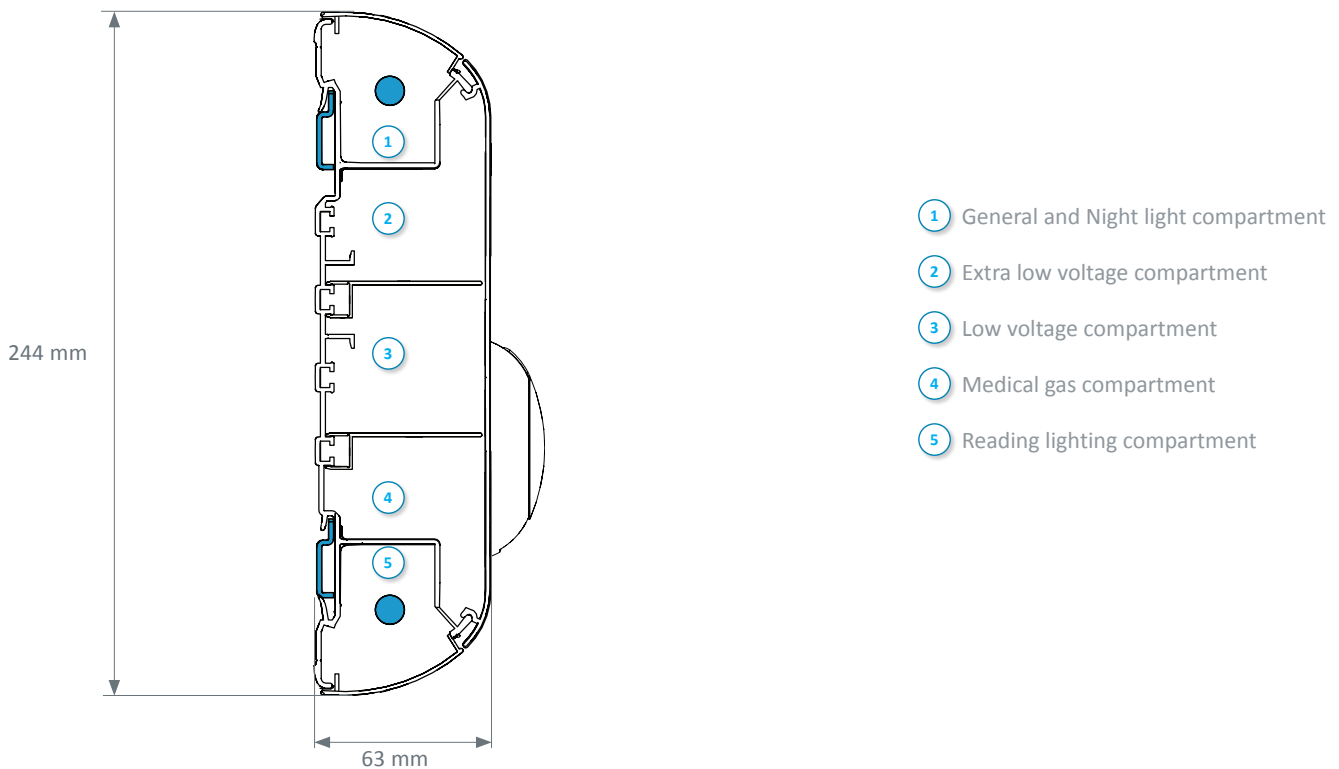


# TECHNICAL FEATURES

## Front view



## Cross-section



## Colours

	White RAL 9016	Grey RAL 7040	Grey RAL 9006
Aluminum profile	●		●
Medical gas casing	●	●	
End caps	●	●	

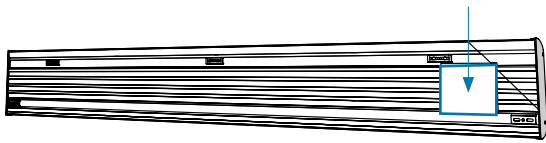
The innovative design of the FLUIDYS has produced a stylish unit with clean lines, blending in perfectly with caring facilities. The bed head unit is easy to install and very ergonomic. The bed head unit has a monobloc cover, so that maintenance teams can easily clean and disinfect it.

## Power Supply

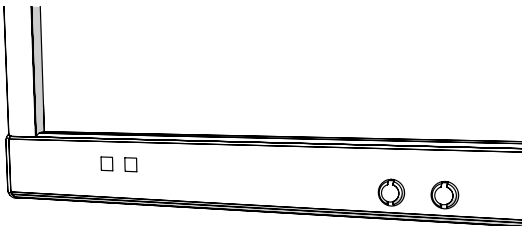
FLUIDYS is designed to be supplied:

- From behind (A)
- From the ceiling, by a riser (B)
- From the side (C)

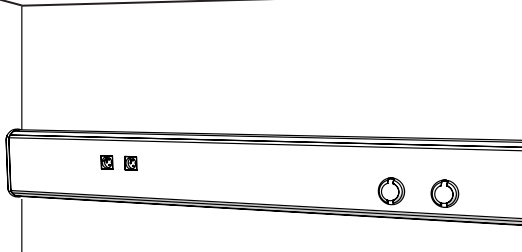
A



B

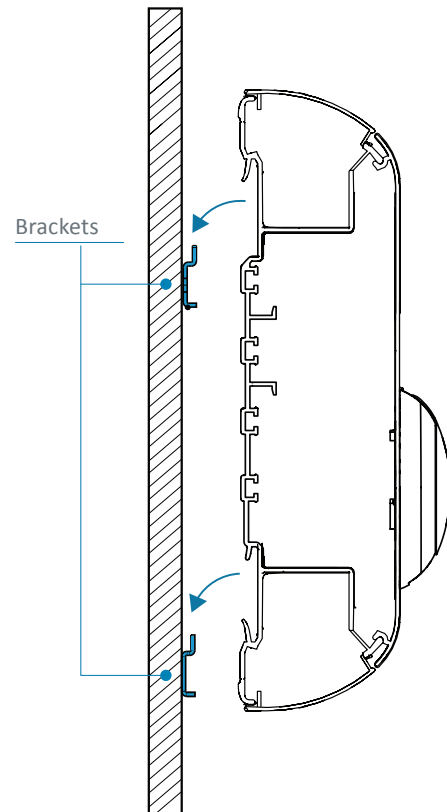


C



## Installation

The wall-mounting system and the simplicity of the locking system save a great deal of installation time.



## Electrical equipment integration

The waterjet cutting of the FLUIDYS 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

For AFNOR gas outlets, ABS/PC medical gas casing are available with c over (A). For any other outlet standard, there are no medical gas casing (B).

A



B



# CONTROLLED LIGHTING

The FLUIDYS is available in both LED and fluorescent versions. Its optical design allows perfect control of the lighting, favouring the well-being of care teams and patients.

## Efficient lighting:

The reflectors provide high output and focus the light.

## Comfortable lighting:

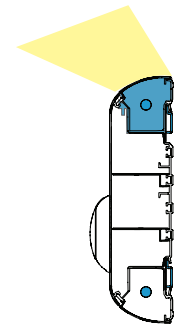
Reading lighting is provided with an anti glare effect diffuser.

## Controlled and directed lighting:

The general and reading lighting units incorporate prism diffusers that direct the light flux towards the middle of the room and the reading plane.

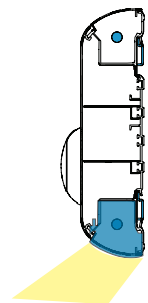
## General lighting

- Extruded PMMA\* diffuser with asymmetric grooves
- MIRO 8 SILVER® (T5) and MIRO 20 SILVER® (LED) aluminum reflector



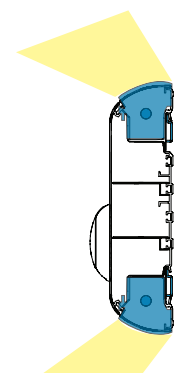
## Reading lighting

- Extruded PMMA diffuser with asymmetric grooves
- MIRO 8 SILVER® (T5) and MIRO 20 SILVER® (LED) aluminum reflector



## Caring lighting

Caring lighting combines direct (reading) lighting with indirect (general) lighting, meeting all norms and standards.

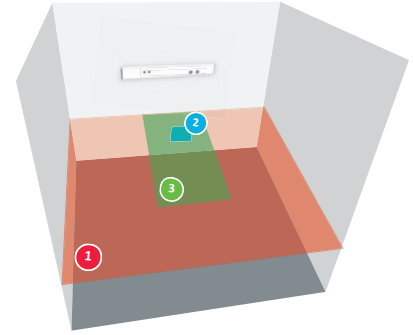


\* PMMA: Polymethyl methacrylate

# EFFICIENT LIGHTING

## 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



	<b>General lighting</b> 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).	<b>Reading lighting</b> 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.	<b>Caring lighting</b> 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.
<b>FLUO</b>	<b>T5 1 x 80 W</b> 	<b>T5 1 x 39 W</b> 	<b>General and reading lighting combined</b> 
Consumption	86 W	42 W	128 W
Average lighting	129 lx	385 lx	470 lx
<b>LED</b>	<b>5 Ft module</b> 	<b>2 Ft module</b> 	<b>General and reading lighting combined</b> 
Consumption	52 W <b>-40%</b>	15 W <b>-65%</b>	78 W <b>-39%</b>
Average lighting	137 lx	362 lx	376 lx

## Lighting power

Lighting	Power	Types of source / Endsocket	Luminous Flux	Consumption	System Efficiency	Gear(s) / Driver(s)
General lighting	2 x 54 W	T5 / G5	9000 lm	118 W	76 lm/W	EVG / EVG Dimm / EVG Dimm Dali
	1 x 80 W	T5 / G5	6150 lm	86 W	71,5 lm/W	EVG / EVG Dimm / EVG Dimm Dali
	1 x 54 W	T5 / G5	4450 lm	61 W	73 lm/W	EVG / EVG Dimm / EVG Dimm Dali
	45,2 W (5 Ft)	LED*	6645 lm	52 W	128 lm/W	Fixe / 1-10 V / DALI
Reading lighting	1 x 39 W	T5 / G5	3100 lm	42 W	74 lm/W	EVG / EVG Dimm / EVG Dimm Dali
	1 x 24 W	T5 / G5	1750 lm	27 W	65 lm/W	EVG / EVG Dimm / EVG Dimm Dali
	13,7 W (2 Ft)	LED*	2120 lm	16,8 W	126 lm/W	Fixe / 1-10 V / DALI
Night light	1 x 6 W	T5 / G5	300 lm	8 W	37,5 lm/W	EVG
	1 x 3,2 W	LED*	350 lm	5,2 W	67,5 lm/W	Fixe

\* Available in 3000 K or 4000 K (night light only in 3000 K)

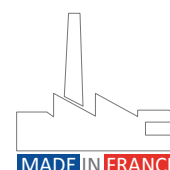




## Norms & certifications

- EN ISO 9001 and 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

Bed head units, Wall lighting units, Ceiling pendants, Suspended Beams & Columns,  
Special care bed head units, Sealed lightings, Medical gas monitoring & Biomedical Accessories



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