TLV Healthcare

Continuous lighting

The AXIS bed head unit offers the possibility of a continuous direct light, adding an aesthetic appreciation.

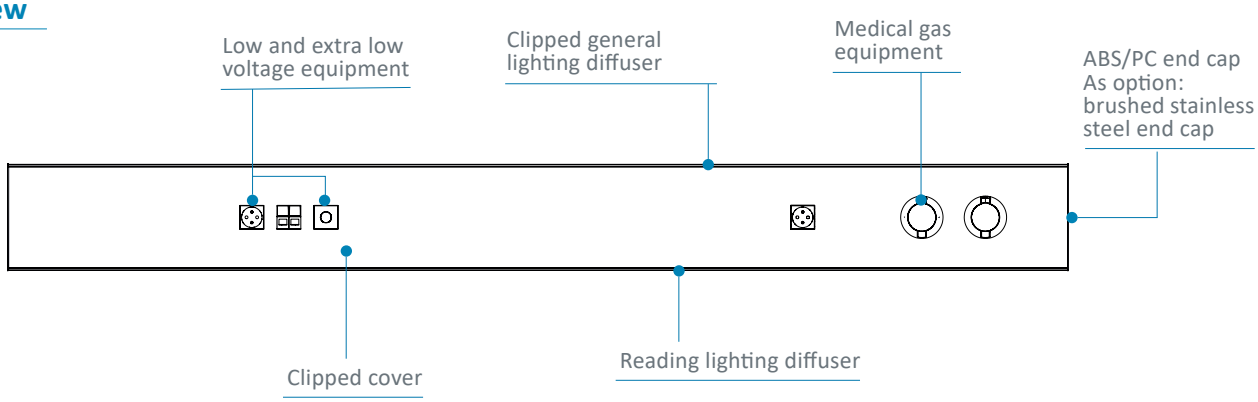
Design and ergonomics

The bed head unit can integrate an optional vertical stainless steel tube support and a shelf which can be positioned at the bottom of the bed head unit.

Medical gas casing

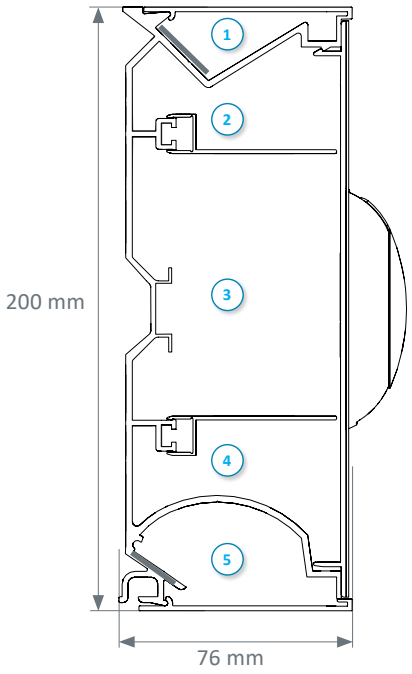
They are not only easy clean provide protection but also they are securely fastened to the cover, for easy installation and maintenance.

Front view



Cross-section

AXIS



1. General and night light compartment
2. Extra low voltage compartment
3. Low voltage compartment
4. Medical gas compartment
5. Reading lighting compartment

Colours

	White RAL 9016	Grey RAL 7040	Grey RAL 9006	Plain colours or wood finishes	Brushed stainless steel
Aluminum profile	●		●		
Medical gas casing	●	●			
End caps	●	●			●
Laminate stick on the cover	SEE PAGE 302 FROM THE CATALOGUE				

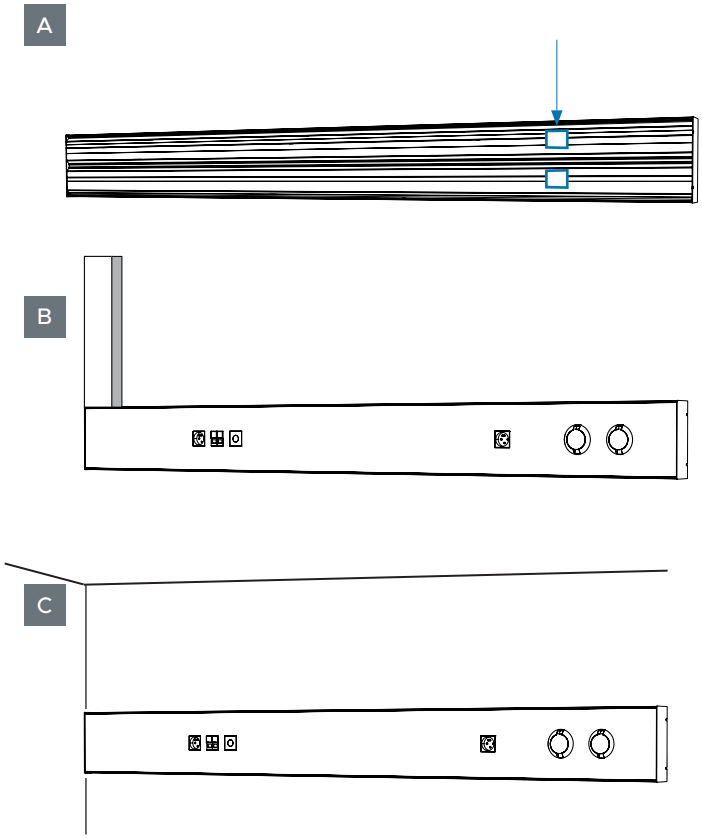
FUNCTIONALITY

The innovative design of the AXIS bed head unit offers 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

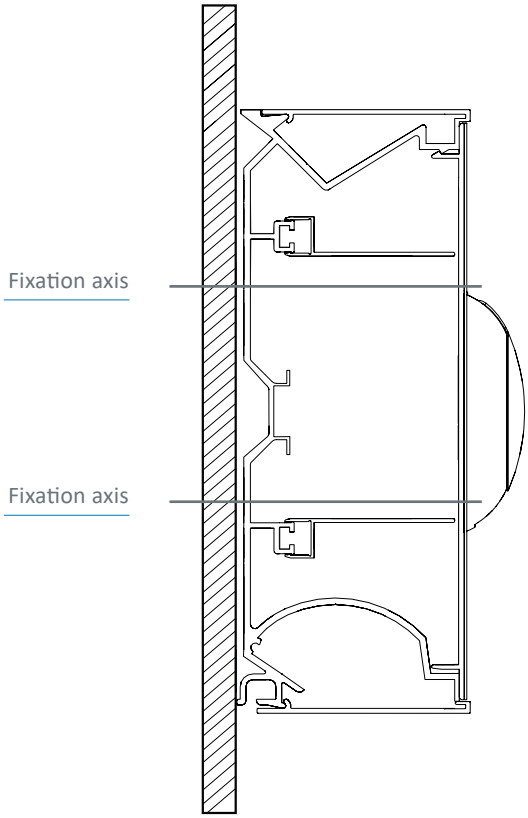
AXIS is designed to be fed:

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



Installation

Thanks to its screw fixing system at the back of the bed head unit, the AXIS offers a quick and easy installation.



Electrical equipment integration

The waterjet cutting of the AXIS 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). F or any other outlet standard, there are no medical gas casings (B).

OPTIONAL ACCESSORIES

TLV has developed a range of optional equipment for the AXIS bedhead to answer the needs of healthcare professionals.

Brushed stainless steel end cap

ABS/PC end caps can be replaced with end caps with brushed stainless steel finish to provide cohesion with all biomedical accessories.

Stainless steel vertical tube accessory support

Brushed stainless steel tube Ø 30 mm: max weight 25 kg
Dimensions : (HxL) 1180 mm x 150 mm

Stainless steel tablet accessories support

Brushed stainless steel tablet accessories support : max weight 5 kg
Dimensions : (LxHxD) : 331 mm x 207 mm x 200 mm

OTHER CONFIGURATIONS :
COMBINATION OF ONE OR MORE WOOD PANELS AND/OR ACRYLIC PANELS WITH AN AXIS BED HEAD

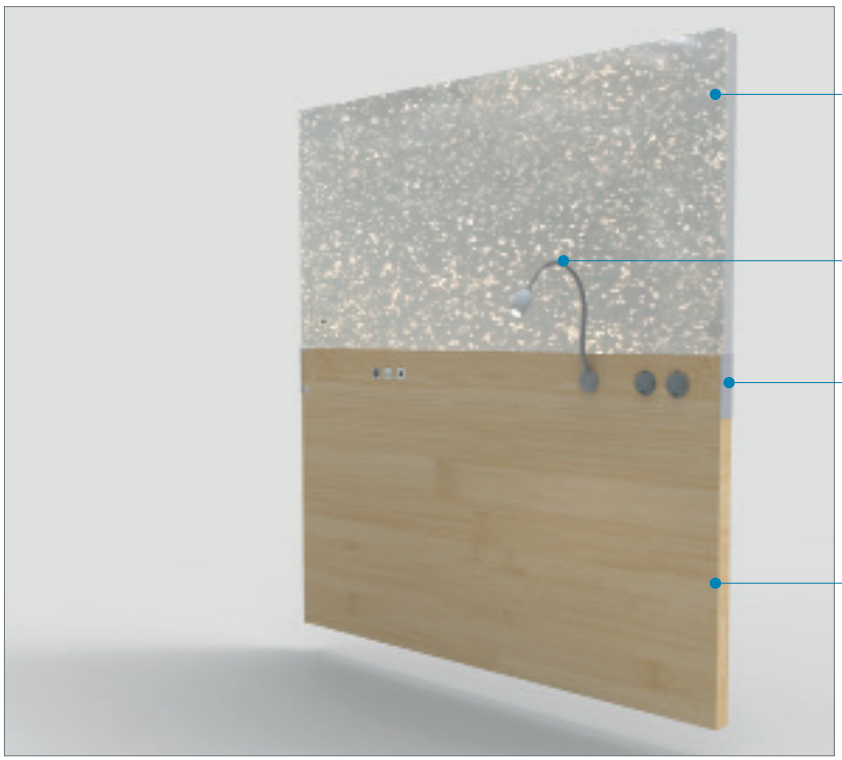
Acrylic panel with inclusion of broken glass (or other decorations)

AXIS bed head

AXIS bed head

Acrylic panel with inclusion of broken glass (or other decorations)

Wood panel coordinates with the the colour of the laminated cover of the the bed head



Acrylic panel with inclusion of broken glass (or other decorations)

Reading spotlight FLEX-e-LED

AXIS bed head

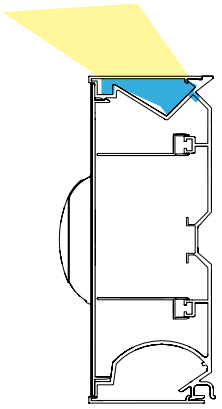
Wood panel coordinates with the the colour of the laminated cover of the the bed head

CONTROLLED LIGHTING

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

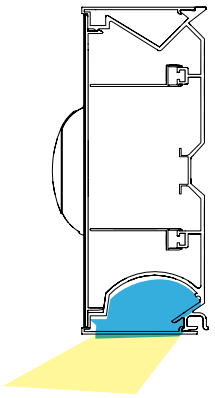
General lighting

- Satin finish polycarbonate diffuser



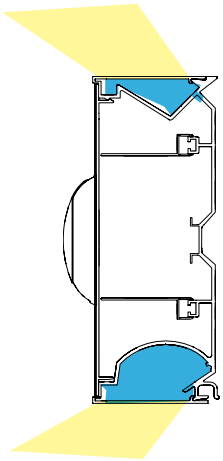
Reading lighting

- Satin finish polycarbonate diffuser



Caring lighting

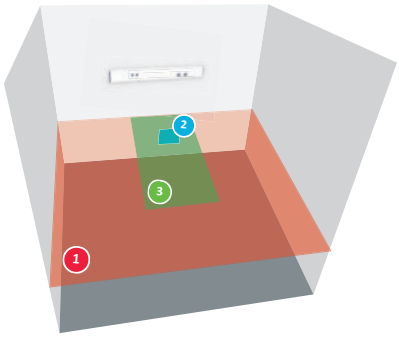
- Caring lighting combines direct (reading) lighting with indirect (general) lighting.

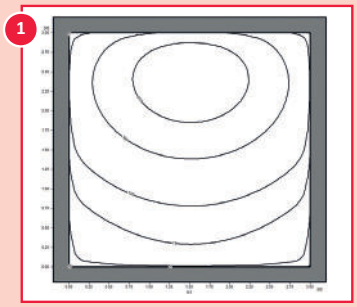
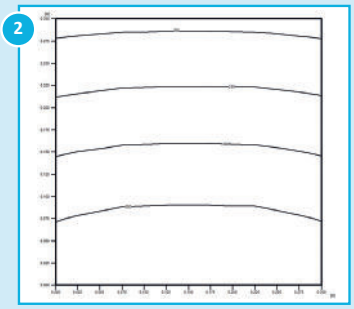
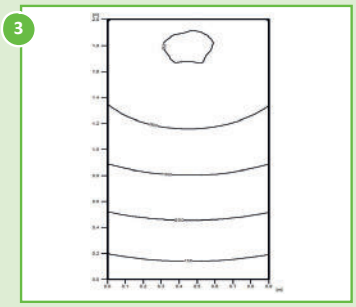


* PMMA: Polymethyl methacrylate

Lighting study

- Standard room
- Dimensions of the room: 3m 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	21,5 W	63,7 W
Average lighting	131 lx	301 lx	410 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
General lighting (Dynamic lighting)	47,2 W (4 Ft)	LED	2700 K to 6500 K	6200 lm	54 W	114,8 lm/W	DALI
Reading lighting	17,7 W (2Ft)	LED	3000 K 4000 K	2945 lm	21,5 W	136,9 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.

Dynamic Lighting

The AXIS bed head unit is available with dynamic lighting.
For more information, please read the dedicated brochure.

Norms & certifications

- 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

MADE IN FRANCE

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