



+ Design & Ergonomics

The pure form and the thinness of LYSA wall lighting unit make it discreet in normal care room.

Low and extra low voltage equipment, integrated to the duct, are within easy reach of the users.

+ Innovation

Available in LED version, LYSA wall lighting unit has an efficient and comfortable optical system for patients and caregivers.

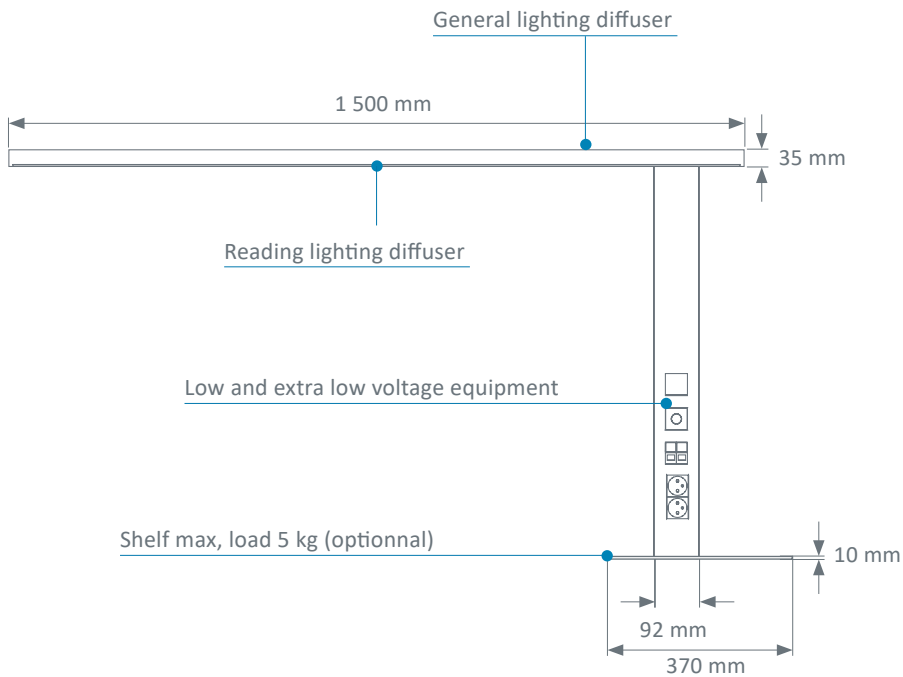
Integration of dynamic lighting simulating a 24 hours light cycle, will be helpful for the patient well-being.



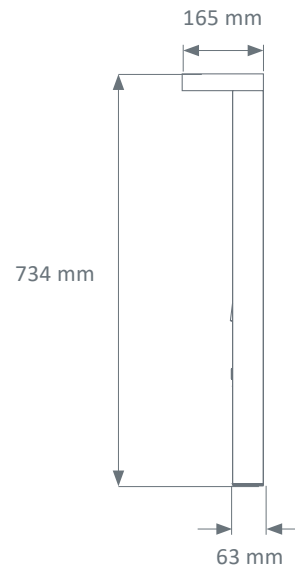
TECHNICAL FEATURES

Front view

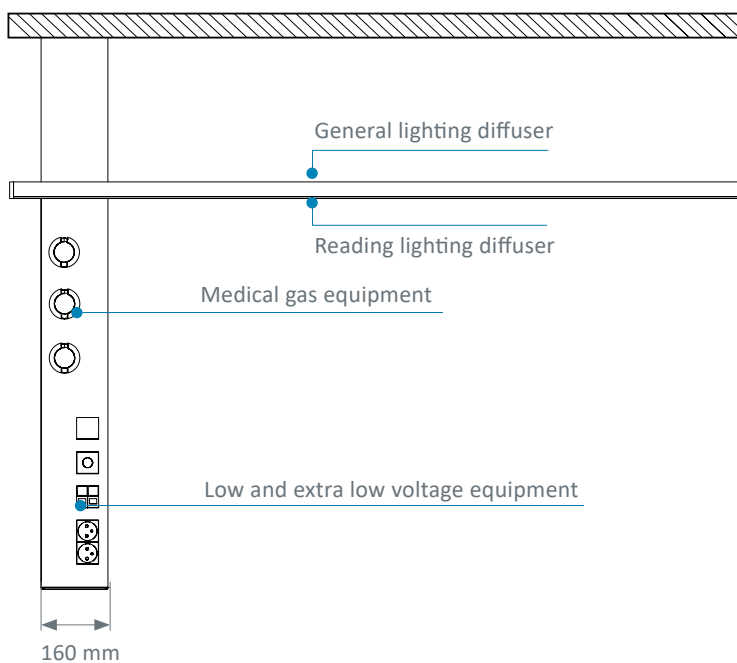
LYSA with electrical equipment



Side view

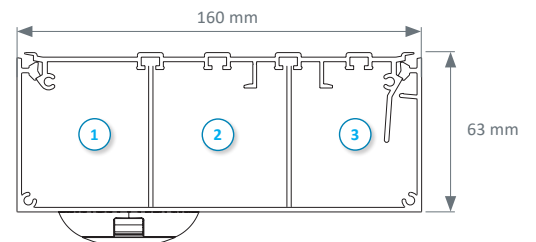


LYSA with electrical and medical gas equipment



Cross-section

- ① Medical gas compartment
- ② Low voltage compartment
- ③ Extra low voltage compartment



Colours

	Grey RAL 9006	Grey RAL 9007	White RAL 9016
LYSA	●	●	●

CONTROLLED LIGHTING

The LYSA bed head unit is ideal for rest homes, retirement homes, and nursing homes. The quality of the light promotes the comfort and well-being of patients and healthcare professionals.

General lighting

- Clear polycarbonate indirect diffuser
- MIRO 20 Silver® Aluminum reflector



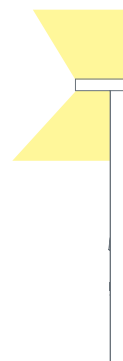
Reading lighting

- Satin-finish polycarbonate direct diffuser
- MIRO 20 Silver® Aluminum reflector



Caring lighting

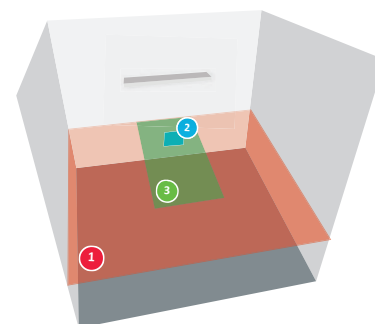
Caring lighting combines direct (reading) lighting with indirect (general) lighting.



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
- Recommended average illumination level :

General lighting 100 lux, reading lighting 300 lux and caring lighting 300 lux



	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 light fitting is mounted.	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	3 Ft module 	2 Ft module 	General and reading lighting combined
Consumption	33,2 W	10,8 W	44,9 W
Average lighting	132 lx	348 lx	397 lx

Lighting power

Lighting	Modules power	Color Temperature	Luminous Flux ⁽¹⁾	Consumption	System Efficiency	Driver(s)	Efficiency energy class IRC 80	Efficiency energy class IRC 90
General lighting	28,7 W (3 Ft)	3000 K 4000 K	5039 lm (length 1050 mm)	33,2 W	151,9 lm/W	Fixed / DALI	A↑G C	A↑G D
	35,3 W (4 Ft)	3000 K 4000 K	6255 lm (length 1300 mm)	40,8 W	153,4 lm/W	Fixed / DALI	A↑G C	A↑G D
General lighting (Dynamic lighting)	38,9 W (3 Ft)	2700 K to 6500 K	5000 lm	44,9 W	111,4 lm/W	DALI		A↑G E
	47,2 W (4 Ft)	2700 K to 6500 K	6200 lm	54 W	114,8 lm/W	DALI		A↑G E
Reading lighting	8,9 W (2 Ft)	3000 K 4000 K	1710 lm	10,8 W	158,8 lm/W	Fixed / DALI	A↑G C	A↑G D
Night light	3,1 W	3000 K	292 lm*	3,3 W	89,8 lm/W	Fixed		A↑G D

⁽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



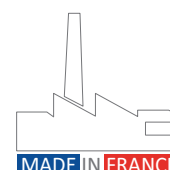
The LYSA bed head unit is available with dynamic lighting.
For more information, please read the dedicated brochure.



Norms & certifications

- EN ISO 13485: Quality management systems
- CE Medical Devices Marking according to the (EU) Rules 2017/745
- 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



* Energy Efficiency Index - All specifications here in are provided for information purposes only and may be modified by TLV without notice. (N) - Update (U) (M) (A) : 06/06/2023