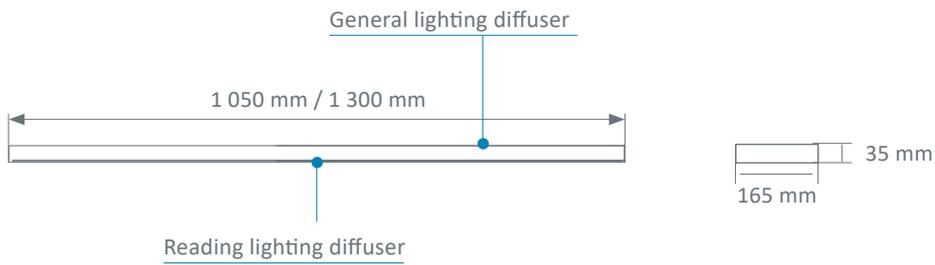




Registered design

TECHNICAL FEATURES

Front view / Side view



Colours

	GREY RAL 9006	GREY RAL 9007	WHITE RAL 9016
LYSA	●	●	●

Driver(s)

Fixed	DALI
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Classifications

Class I	650°	IP20	IK 08
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CONTROLLED LIGHTING

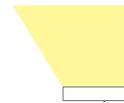
The LYSA lighting unit is ideal for lighting retirement homes and clinics. The quality of the light offers comfort and well-being to the patients and healthcare professionals.

High-performance comfortable and controlled lighting

The reading light diffuser provides soft, comfortable lighting. The patient, medical personnel, or visitors, because the sources are not directly visible.

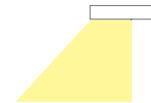
General lighting

- Indirect diffuser in clear satin PMMA* with anti-UV treatment
- 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.



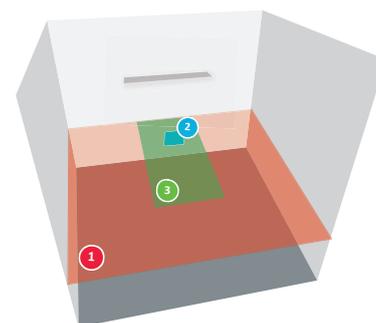
*PMMA: Polymethyl methacrylate

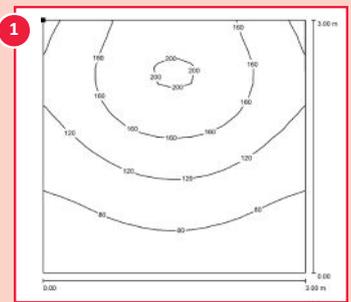
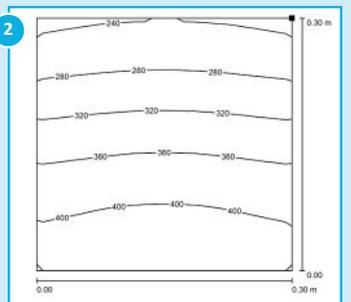
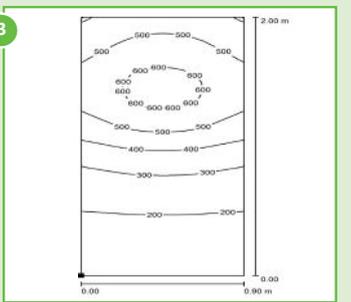
EFFICIENT LIGHTING

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
- 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	30,7 W (3 Ft)	3000 K 4000 K	5040 lm	35,1 W	143,6 lm/W	Fixed / DALI	A↑G C	A↑G D
	35,6 W (4 Ft)	3000 K 4000 K	5945 lm	41 W	145 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	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	A↑G E
Reading lighting	9,9 W (2 Ft)	3000 K 4000 K	1764 lm	11,9 W	148,3 lm/W	Fixed / DALI	A↑G C	A↑G D
Night light	2,1 W	3000 K	313 lm	3,5 W	89,4 lm/W	Fixed / DALI	A↑G D	A↑G D

- Luminous flux maintenance factor : L80B10 to 60 000 hours
- MacAdam Ellipse: 3 SDCM
- LED sources photobiological risk : GP1

⁽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.

* Only available for Lysa 1300 mm



Dynamic Lighting



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

Norms & certifications

- Directive 2014/30/UE : Electromagnetic Compatibility (EMC)
- Low Voltage Directive (LVD) 2014/35/UE
- EN 60598: Luminaires - Part 1: General requirements and tests - Part 2-25: Luminaires for use in clinical areas of hospitals and health care buildings
- Article EC5 safety regulation against the risks of fire and panic in public buildings
- 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

