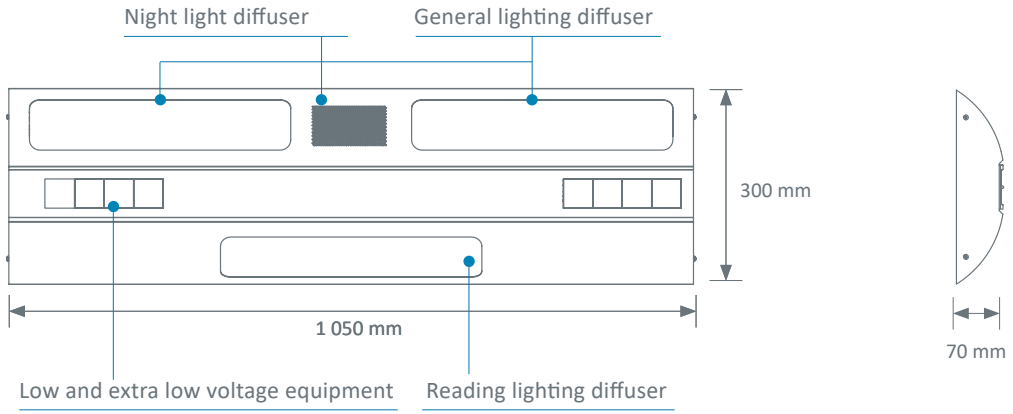
AVOLYS LED

TLV Healthcare

Normal care / Wall lighting unit

Front view



Colours

	White RAL 9016
AVOLYS	●

Driver(s)

Fixed | DALI

Classifications

Class I | 650° | IP 20 | IK 08

Ergonomics

AVOLYS satisfies the lighting and electrical distribution needs of normal care rooms. It can incorporate up to eight electrical accessories.

The wall-mounted lighting unit also impact resistance rating (IK08), providing maximum safety to patients and healthcare professionals working in a secure environment (nursing home, Alzheimer units, specialist hospitals, prisons, and psychiatric departments).

CONTROLLED LIGHTING

The AVOLYS wall lamp can be equipped with LED source. The ALVOLYS wall lighting unit provides comfortable, high-quality lighting for patients and care teams.

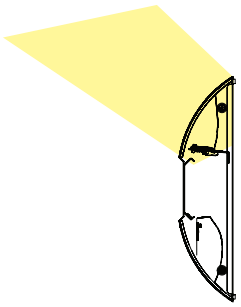
High-performance and controlled lighting

The high-performance reflectors in the general lighting and reading light units offer high efficiency and direct the light towards the middle of the room and onto the reading surface.

Comfortable lighting:

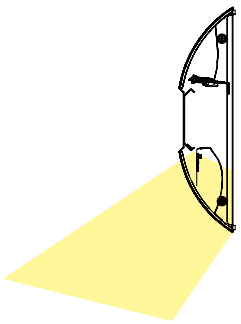
General and reading lightings are less likely to dazzle the patient, medical personnel, or visitors, because the sources are not directly visible.

- PMMA * diffuser
- MIRO 20 SILVER® Aluminum reflector



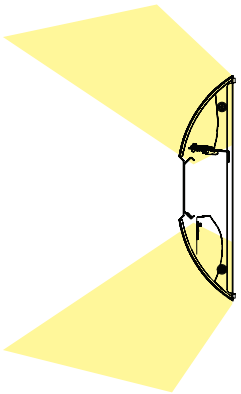
Reading lighting

- PMMA diffuser
- MIRO 20 SILVER® Aluminum reflector



Caring lighting

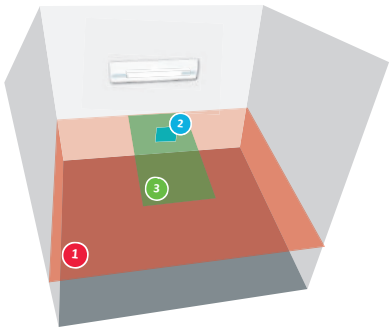
Caring lighting combines direct (reading) and indirect (general) lighting.

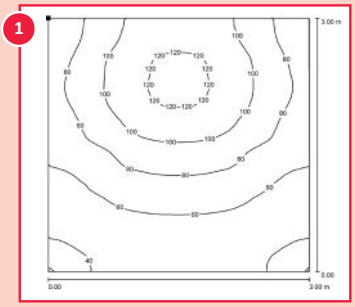
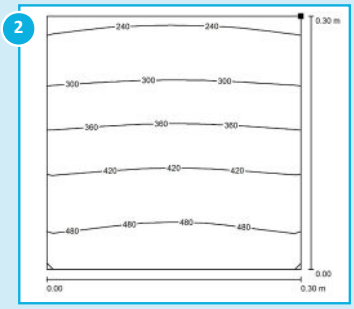
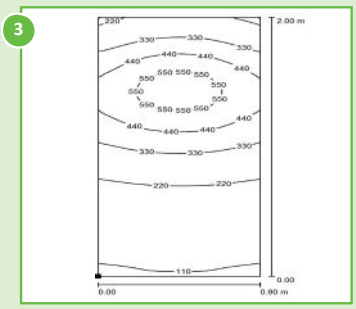


* PMMA: Polymethyl methacrylate

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 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	**2 Ft module** 1 	**1 Ft module** 2 	**General and reading lighting combined** 3 
Consumption	25,9 W	10,2 W	36,1 W
Average lighting	78 lx	378 lx	305 lx

Lighting power

Lighting	Modules power	Colour temperature	Luminous Flux (1)	Consumption	System Efficiency	Driver(s)	Efficiency energy class ICR 80	Efficiency energy class ICR 90
General lighting	24,2 W (2 Ft)	3000 K 4000 K	3867 lm	27,8 W	139,1 lm/W	Fixed / DALI	C	D
Reading lighting	8,4 W (1 Ft)	3000 K 4000 K	1421 lm	10 W	142,1 lm/W	Fixed / DALI	C	D
Night light	2,1 W	3000 K	313 lm	3,5 W	89,4 lm/W	Fixed / DALI		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.

Norms & certifications

- Low Voltage Directive (LVD) 2014/35/UE
- Directive 2014/30/UE : Electromagnetic Compatibility (EMC)
- EN 60598: Luminaires - Part 1: General requirements and tests - Part 2-25: Luminaires for use in clinical areas of hospitals and health care 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

MADE IN FRANCE

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