

**Waldmann** **W**

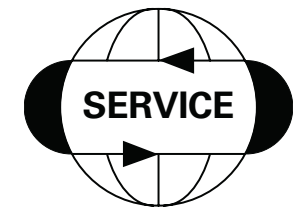
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**LIGHT FOR  
BETTER CARE**

US

# WE CARE FOR BETTER LIGHT



# LIGHT IN THE ROOM

LIGHT FOR BETTER CARE  
FALL PREVENTION  
WHAT HAPPENS WHEN SENIORS FALL?  
BETTER SLEEP  
WHAT DOES POOR LIGHTING MEAN FOR SLEEP?

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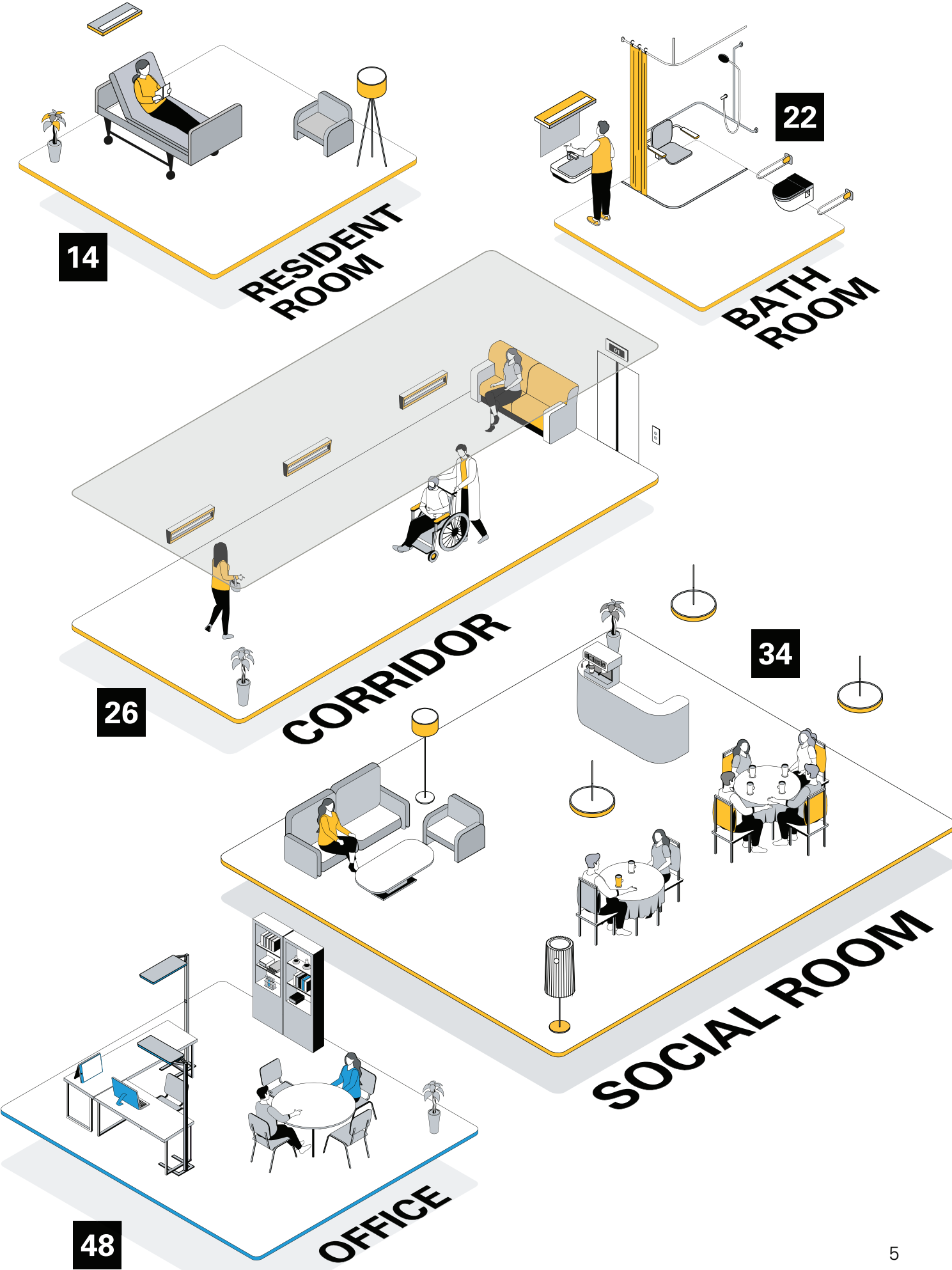
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# LIGHT FOR BETTER CARE



## FALL PREVENTION

**„It is particularly gratifying that we have demonstrably recorded a very low fall rate among our clients (approx. 1.5 %). In normal households and in care facilities, this rate is more than 50 %. The difference is significant.“**

Gerd Bekel  
Managing Director and Scientific Director, ProPersonaCare,  
Neubrandenburg

## BETTER SLEEP

**„Light is far more than brightness. It promotes alertness, encourages movement, and gives the day rhythm. Older adults benefit in particular: less daytime drowsiness, more activity – and thus the best foundation for a good night’s sleep. This creates an environment that not only provides safety, but also promotes calm and restorative nights.“**

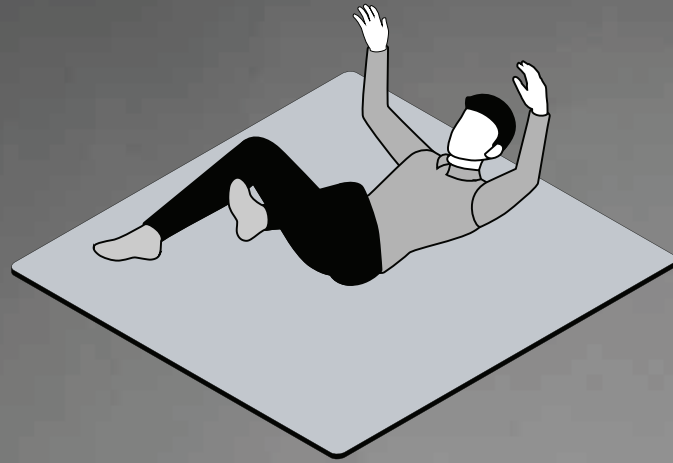
André Alesi  
Sleep Scientist  
Managing Director, Institut für Schlaf und Regeneration GmbH

## DEMENTIA CARE

**„A well-planned and purposefully applied lighting system means far more than just brightness in a room for people with dementia. Especially the use of biodynamic lighting, which follows the natural course of daylight, can demonstrably help to positively influence the disrupted day–night rhythm in people with dementia. In addition, good lighting supports spatial orientation, can contribute to daily structuring, minimize the risk of falls, and promote overall well-being.“**

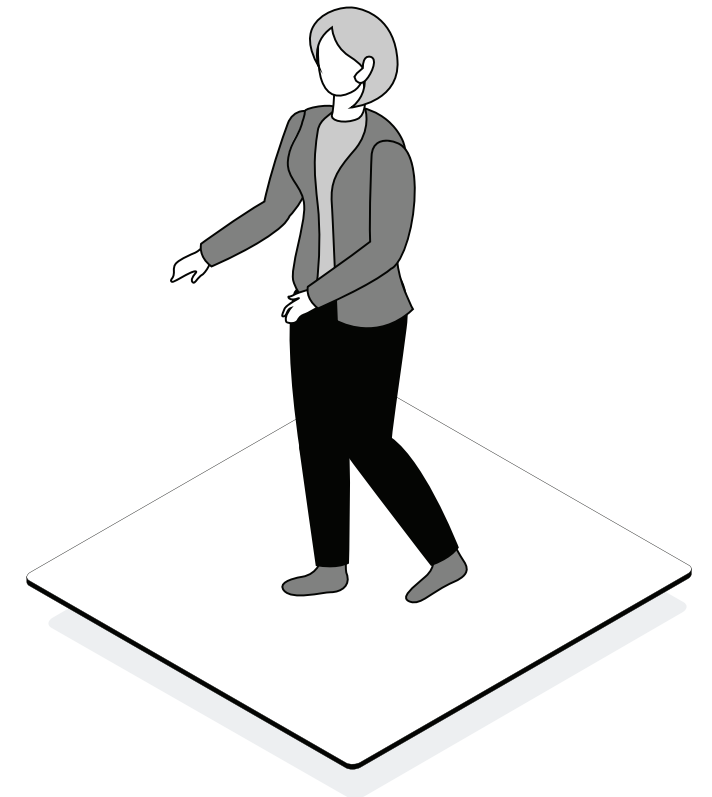
Antje Holst  
Kompetenzzentrum Demenz in Schleswig-Holstein  
Alzheimer Gesellschaft Schleswig-Holstein e.V. / Selbsthilfe Demenz

# FALL — PREVENTION



usually  
more than  
**50%**  
fall rate

Waldmann **W**  
less than  
**2%**  
fall rate



**„It is particularly gratifying that we have demonstrably recorded a very low fall rate among our clients (approx. 1.5 %). In normal households and in care facilities, this rate is more than 50 %. The difference is significant.“**

Gerd Bekel  
Managing Director and Scientific Director ProPersonaCare,  
Neubrandenburg





# What Happens When Seniors Fall?

## MEDICAL CONSEQUENCES

Falls frequently lead to fractures among older adults—especially femoral neck fractures—which result in long hospital stays and lasting limitations. Complications such as thrombosis, pneumonia, or infections may occur. [1]

## CARE AND DAILY-LIFE CONSEQUENCES

After a fall, mobility is often severely limited for weeks or months. This fosters loss of independence, increases the need for care, and in many cases raises the risk of becoming permanently bedridden. [2]

## PSYCHOLOGICAL CONSEQUENCES

A fall often triggers fear of falling again, which dampens the desire to move and increases insecurity. Feelings of dependence and loss of control arise, frequently leading to withdrawal or depressive moods. [3]

## ECONOMIC CONSEQUENCES FOR CARE FACILITIES

For care facilities, falls generate substantial additional costs that are not covered. Extended resident absences can lead to vacancies, and a high fall rate negatively affects attractiveness to families and care staff. [4]

[1] Lohmann et al. (2007); femoral neck fractures as the most common admission diagnosis. [2] Lohmann et al. (2007); long-term need for care after a proximal hip fracture [3] Lighting study, Care-Therapeutic Centers Altentrep-tow & Neubrandenburg, pro-persona.care GmbH [4] Leslie, D. L., Marcanto-nio, E. R., Zhang, Y., Leo-Summers, L., & Inouye, S. K. (2008); substantial additional medical costs

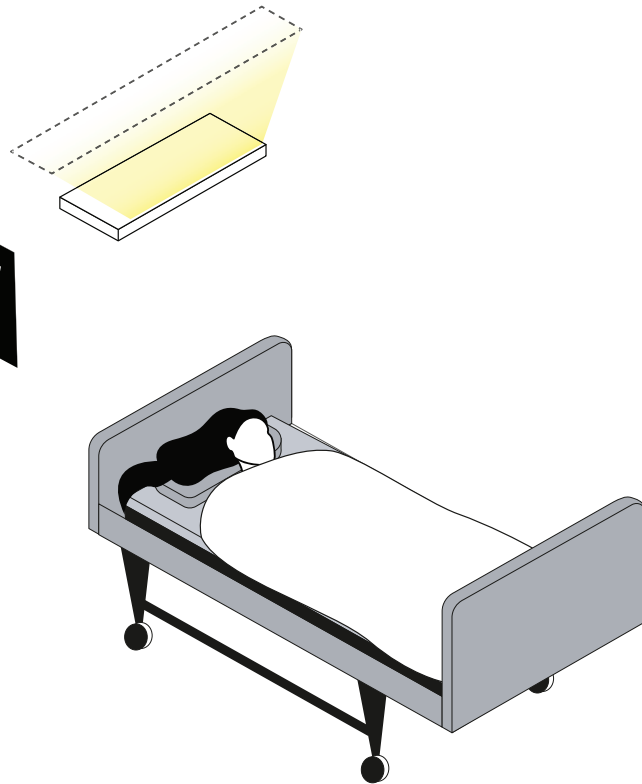
# Thanks to Waldmann, It Doesn't Have to Be This Way

While in private households and care facilities more than every second senior experiences a fall, the fall rate at pro-persona.care—thanks to Waldmann's innovative lighting concepts—is just 1.5 %, even though 80 % of residents are at increased risk.



# BETTER SLEEP

Waldmann **W**  
almost  
**75%**  
fewer restless nights



## BETTER SLEEP THROUGH THE RIGHT LIGHTING

As part of the modernization of the Fürstlich Fürstenbergisches Nursing Home in Hüfingen, the impact of biodynamic lighting on residents' well-being was examined.

After just eight weeks, sleep quality improved markedly. After about one year, there were almost 75 % fewer restless nights.

When the dynamic lighting was switched off during the test, sleep behavior reverted to the original level within six weeks. When the Waldmann lighting was switched back on, the positive effects returned immediately.

## BETTER SLEEP

# What Does Poor Lighting Mean for Sleep?

## DISRUPTED DAY-NIGHT RHYTHM

Without sufficient daylight—or with poor artificial lighting—the internal clock falls out of sync. Melatonin production shifts, and older adults find it harder to fall asleep in the evening. [1]

## MORE RESTLESSNESS AND DAYTIME SLEEPINESS

If the right light dose is missing during the day, many residents doze off. This weakens homeostatic sleep pressure in the evening, leading to restless nights and renewed daytime sleepiness. [2]

## PSYCHOLOGICAL BURDEN

Sleep disturbances affect mood: irritability, lack of drive, and depressive symptoms are common. Many seniors feel persistently exhausted—as if in a “twilight state.” [3]

## LESS ACTIVITY—WORSE SLEEP, HIGHER FALL RISK

Without appropriate lighting, residents are often passive and move less during the day. That reduces sleep pressure and further degrades sleep quality. At the same time, muscles and balance get less training, and poor lighting makes orientation harder—the risk of falls increases significantly. [4]

[1] Jung et al. (2010); acute effects of bright light on cortisol levels [2] Smolders & de Kort (2014); Smolders, de Kort, & Cluitmans (2012); effects of bright light on alertness, vitality, performance, and physiological arousal [3] Karlén, Ludvigsson, Frostell, Theodorsson & Faresjö (2011); hair cortisol as a biomarker for major life stressors [4] Runge, Martin (2008); fall rates in nursing homes



# THE PERFECT RESIDENT ROOM





# THE PERFECT RESIDENT ROOM

ZERA.bed  
VIVAA.free

**„Light is far more than brightness. It promotes alertness, encourages movement, and gives the day rhythm. Older adults benefit in particular: less daytime drowsiness, more activity—and thus the best foundation for a good night’s sleep. This creates an environment that not only provides safety, but also promotes calm and restorative nights.”**

André Alesi  
Sleep Scientist  
Managing Director, Institut für Schlaf und Regeneration GmbH

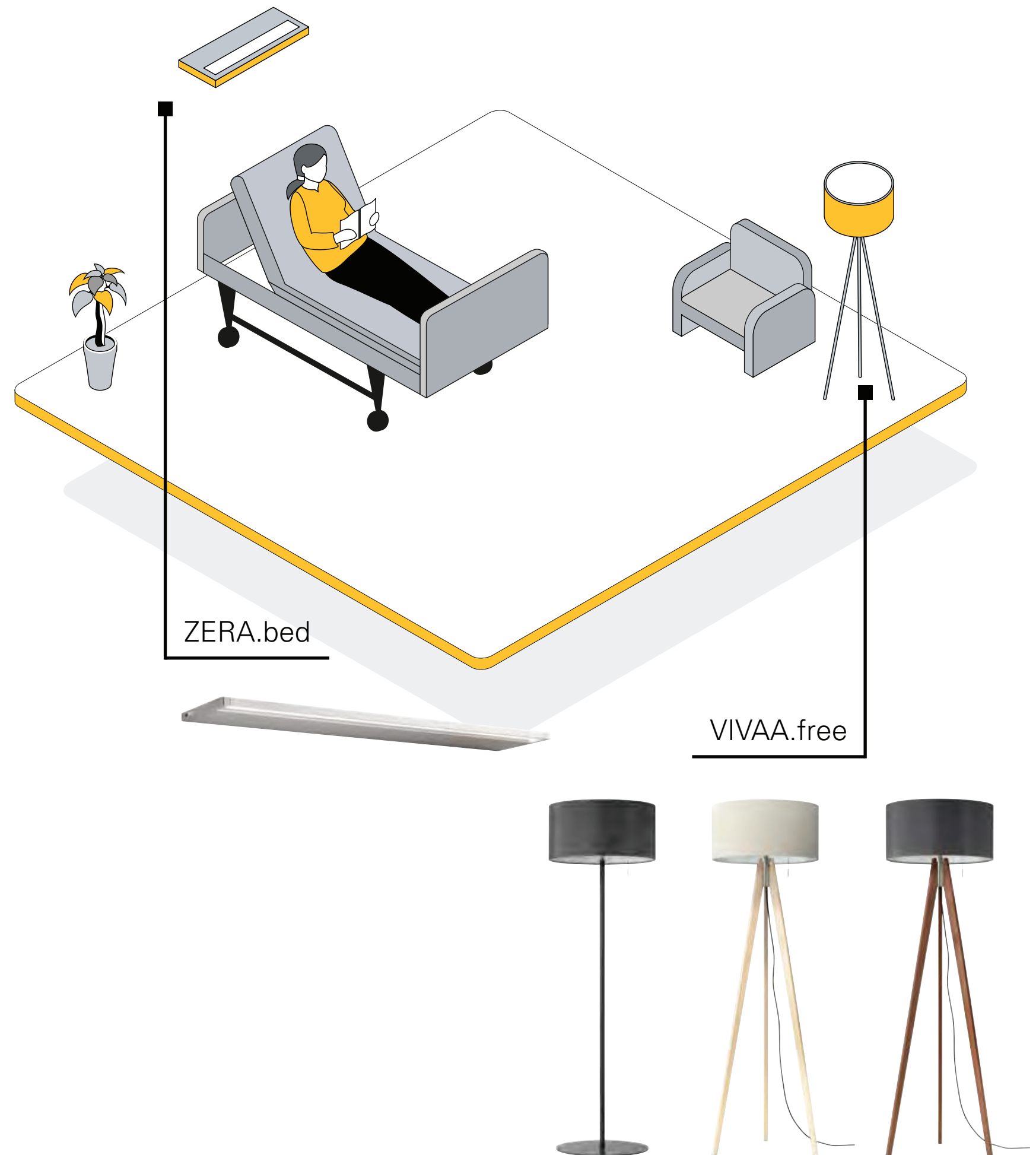
## SLEEP BETTER—VITALITY THROUGH LIGHT

Sleep is one of the most important factors for recovery, health, and performance. In care settings, good sleep affects not only residents’ well-being but also staff workload.

Waldmann lighting solutions with daylight simulation help stabilize the circadian rhythm: dynamic light during the day supports activity; in the evening, reduced blue content promotes melatonin production—for restorative sleep.

Especially for older adults, whose eyes absorb less light with age, daylight simulation helps bring the natural biorhythm back into balance. Stress levels drop, psychological well-being rises, and sleep quality improves significantly.

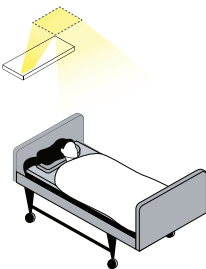
At the same time, low-shadow lighting helps reduce the risk of falls—an important safety factor in everyday care.



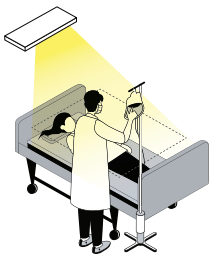
THE PERFECT RESIDENT ROOM

# ZERA.bed

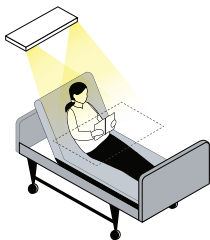
Wall-Mounted Luminaire



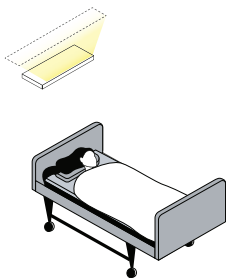
Daylight Simulation



Examination Light



Reading Light



Night Light

**MORE WELL-BEING**

The integrated daylight simulation supports the natural sleep-wake cycle, promotes healthy sleep, and contributes to improved mood and overall health—helping residents feel noticeably more refreshed.

**MORE SAFETY**

The low-shadow direct and indirect lighting makes it easier to navigate the room. Combined with daylight simulation, it has been proven to reduce the risk of falls and provides greater safety in everyday life.

**BETTER DAILY LIFE**

Whether for reading, examinations, general room atmosphere, or nighttime orientation—the versatile, easy-to-adjust lighting scenarios give both residents and caregivers more autonomy and flexibility.

**SMARTER ECONOMY**

With its high light output, the fixture replaces multiple individual devices. This saves space, energy, and costs—while at the same time creating a clean, modern room design.







THE PERFECT RESIDENT ROOM

## VIVAA.free

Free-Standing Luminaire



### MORE SAFETY

The low-shadow direct and indirect lighting ensures even illumination throughout the room. Combined with daylight simulation, it has been proven to help prevent falls.

### MORE WELL-BEING

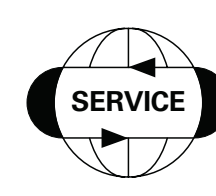
Daylight simulation supports a healthy sleep-wake cycle, enhances mood and vitality—for noticeably greater quality of life.

### BETTER DAILY LIFE

Dynamic light control promotes daytime activity, strengthens residents' autonomy, and helps create a structured, pleasant daily routine.

### ENCOURAGES SOCIAL INTERACTION

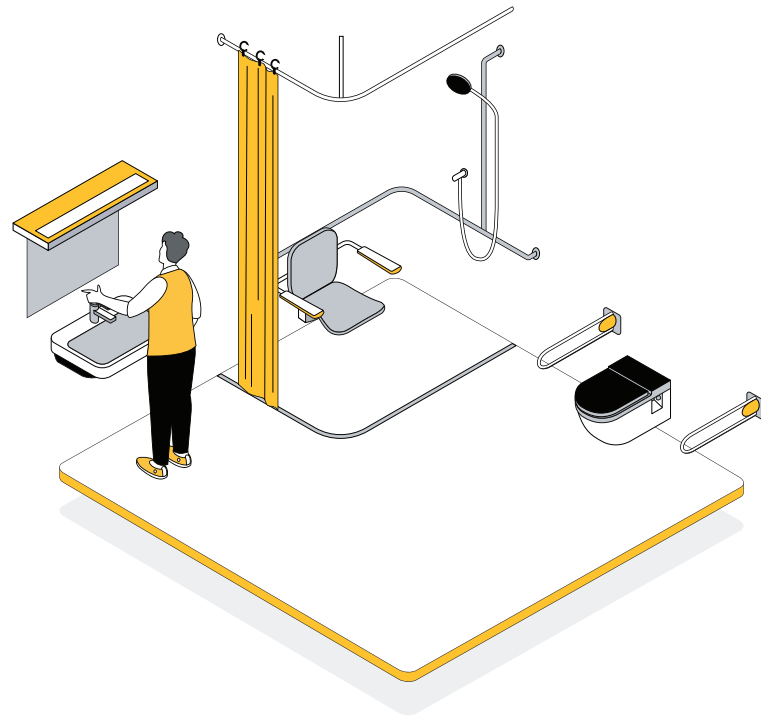
The luminaire creates an atmosphere that fosters communication and community. At the same time, its interchangeable shades, wood finishes, and metal bases allow it to adapt flexibly to any room and interior style.



THE BRIGHT BATHROOM

# ZERA.bath

Wall-Mounted Luminaire



**„Good bathroom lighting first and foremost means uniform, glare-free illumination of the entire facial area. That’s the prerequisite for men (e.g., shaving) and women (e.g., applying makeup) to remain as autonomous as possible at any age.“**

Michael Doser  
Business Developer HEALTHCARE at Waldmann

## MORE SAFETY IN THE BATHROOM

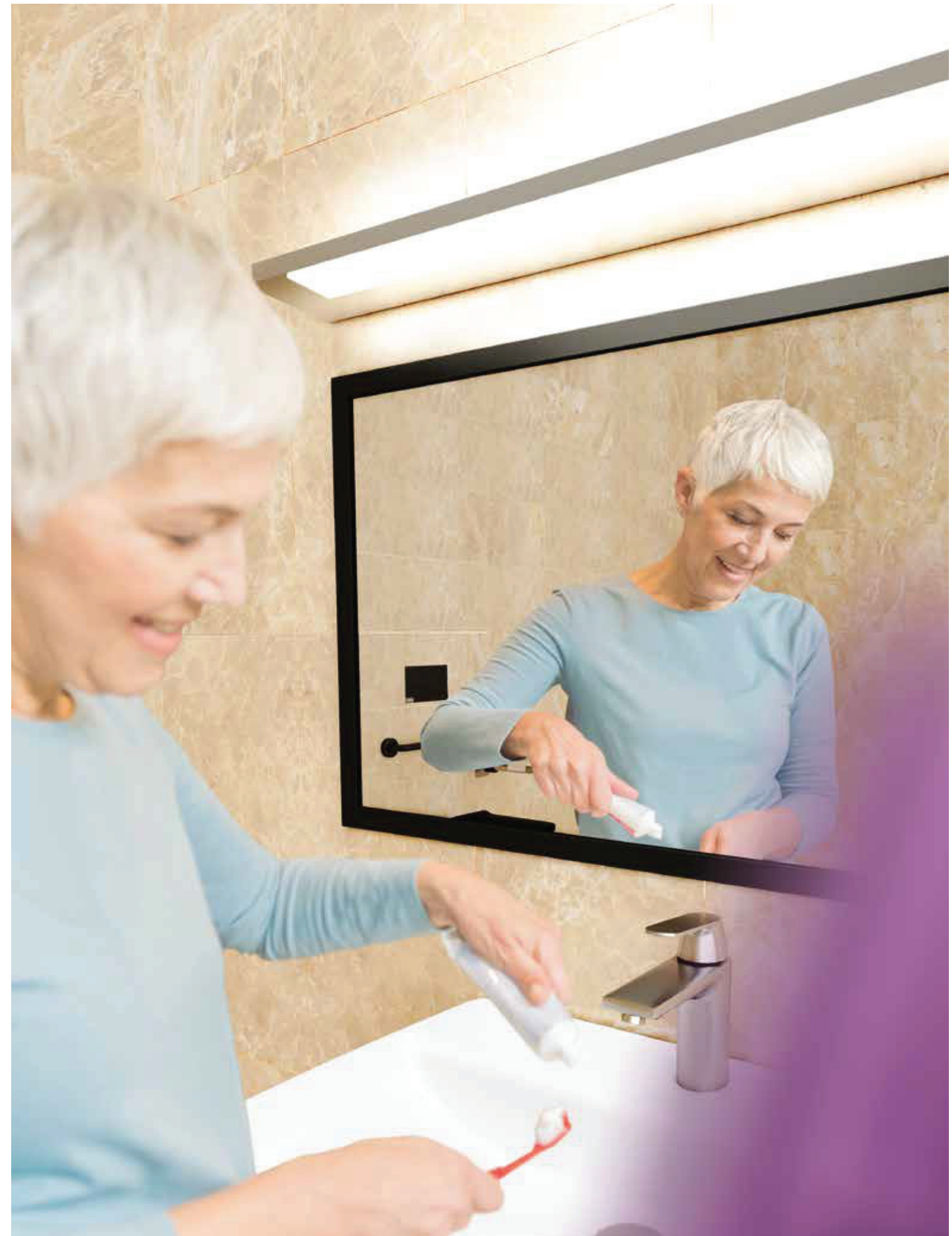
The low-shadow direct and indirect lighting provides even illumination and reduces the risk of falls—a crucial advantage, especially in damp or dark spaces.

## BETTER DAILY LIFE

The high, uniform, and glare-free light output improves visibility, creates a relaxed atmosphere, and supports greater autonomy and comfort in everyday use.

## SMARTER ECONOMY

With its powerful light output, ZERA.bath replaces several individual fixtures. This saves space, energy, and costs—while ensuring long-lasting quality.








# THE PERFECT RESIDENT ROOM

## THE PERFECT RESIDENT ROOM PRODUCT OVERVIEW

TRADE NAME		PRODUCT DESCRIPTION
	ZERA.bed	ZEW 11000/830/D/ALU/1049,5MM
	VIVAA.free	VFS 7000/VTL/D/ANT/ESCHE DK/CEE
	VIVAA.free	VFS 7000/VTL/D/ANT/ANTGR/CEE
	OBLO.fit	OBA 4000/830/WS/460MM

## THE BRIGHT BATHROOM PRODUCT OVERVIEW

TRADE NAME		PRODUCT DESCRIPTION
	ZERA.bath	ZEW 3000/830/ALU/600MM





# THE OPTIMAL CORRIDOR





# THE OPTIMAL CORRIDOR

VANERA.fit  
ZERA.wall

**„It is particularly gratifying that we have demonstrably recorded a very low fall rate among our clients (approx. 1.5%). In normal households and in care facilities, this rate is more than 50%. The difference is significant.“**

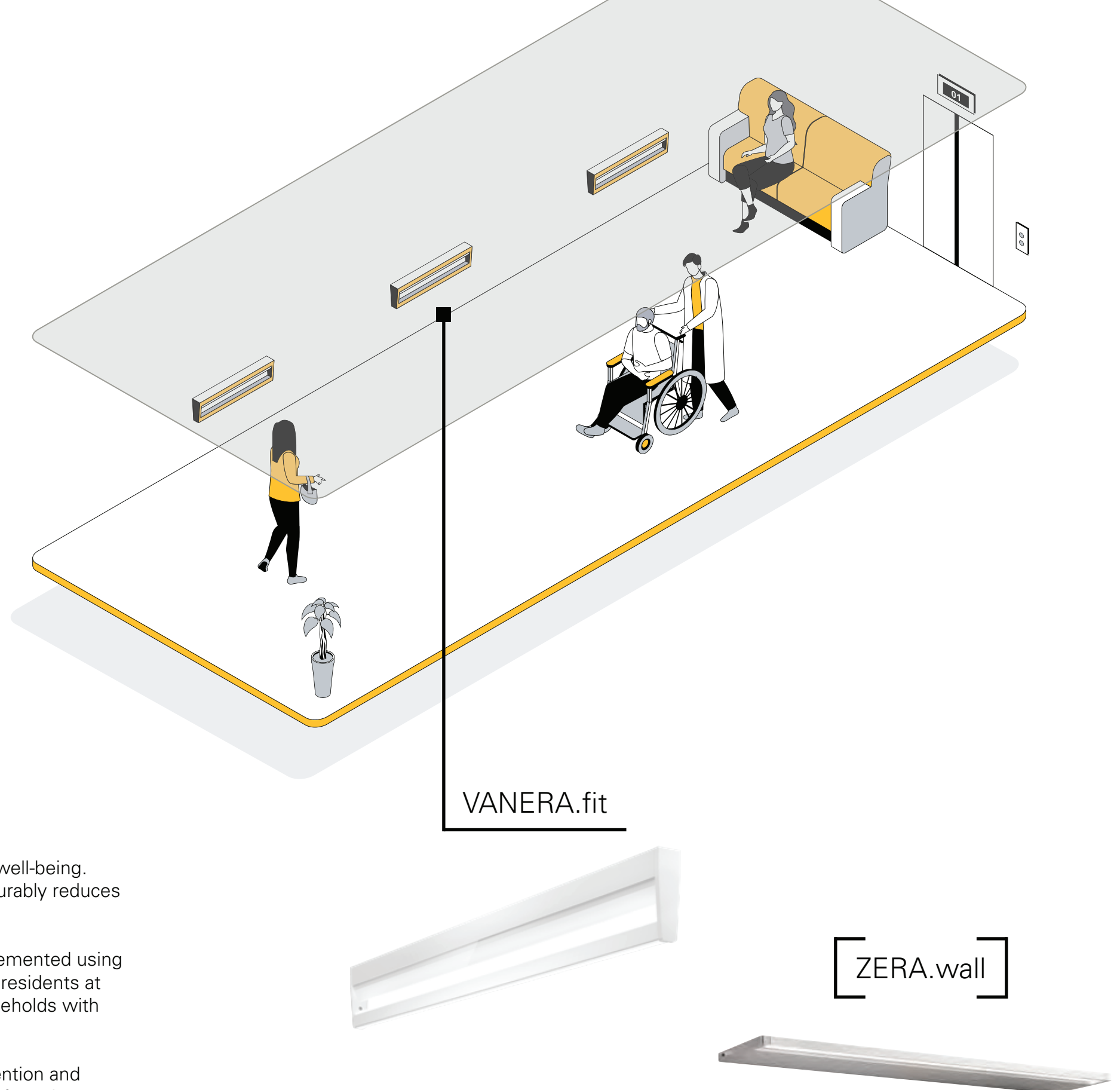
Gerd Bekel  
Managing Director and Scientific Director,  
ProPersonaCare, Neubrandenburg

## FALL PREVENTION — SAFETY THROUGH LIGHT

Thoughtfully designed corridor lighting is crucial for orientation, safety, and well-being. Glare-free, evenly distributed light eliminates disturbing shadows and measurably reduces the risk of falls.

A good example is pro-persona.care GmbH: their lighting concept was implemented using Waldmann solutions—with impressive results. Despite a high proportion of residents at elevated fall risk, the fall rate is only 1.5 %. In nursing homes or private households with seniors, the rate is typically over 50 %.

This proves: Waldmann lighting makes an effective contribution to fall prevention and significantly improves residents' quality of life and the economic efficiency of nursing homes.



THE OPTIMAL CORRIDOR

# VANERA.fit

Surface-Mounted Luminaire



**MORE SAFETY**

The low-shadow direct and indirect lighting provides even illumination and, together with daylight simulation, helps prevent falls—for greater safety in everyday life.

**MORE WELL-BEING**

Daylight simulation supports a healthy sleep-wake cycle, promotes restful sleep, and enhances overall well-being.

**BETTER DAILY LIFE**

Flexible lighting design gives residents more autonomy and supports caregivers by adapting more effectively to different daily situations.

**SMARTER ECONOMY AT ANY CEILING HEIGHT**

Thanks to its high light output, only a small number of fixtures are often needed per corridor. VANERA.fit is efficient, durable, and—with its low profile—perfectly suited even for rooms with low ceilings.



THE OPTIMAL CORRIDOR

# ZERA.wall

Wall-Mounted Luminaire



The perfect solution for stairwells and for modernizing existing wall lights.

**MORE SAFETY**

The combination of direct and indirect lighting creates evenly bright spaces without disturbing shadows. Together with daylight simulation, this reduces the risk of falls and makes orientation easier.

**MORE WELL-BEING**

Daylight simulation stabilizes the natural sleep-wake cycle, promotes healthy sleep, and enhances vitality and quality of life.

**BETTER DAILY LIFE**

Flexible lighting design supports residents’ autonomy, makes it easier to adapt to individual needs, and contributes to an active, self-determined daily routine.

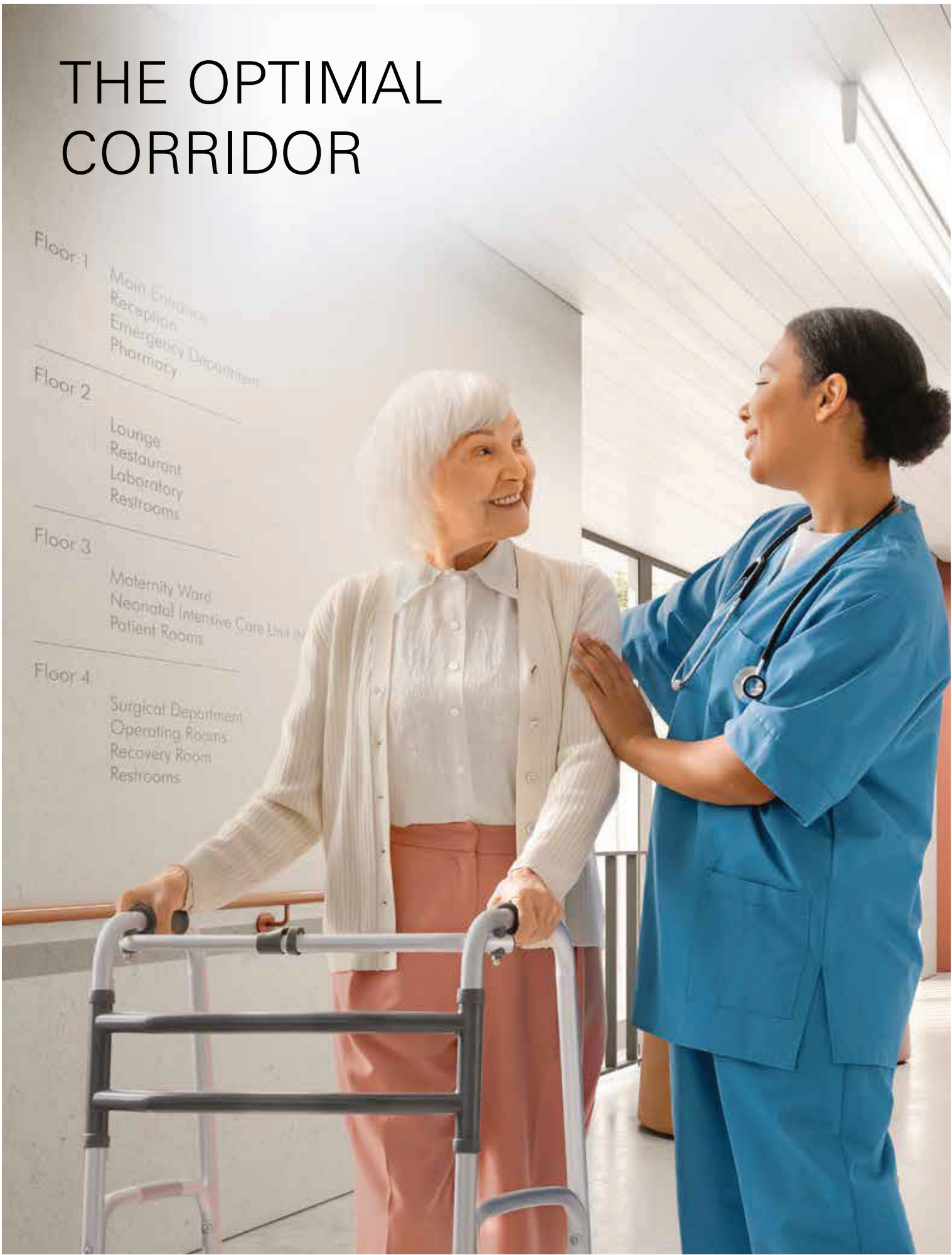
**SMARTER ECONOMY**

Thanks to its high light output, fewer fixtures are often needed per corridor. ZERA.wall is efficient, durable, and provides a sustainable solution for effective room lighting.







# THE OPTIMAL CORRIDOR



## THE OPTIMAL CORRIDOR PRODUCT OVERVIEW

TRADE NAME		PRODUCT DESCRIPTION
	VANERA.fit	VAA 6000/927-965/D/VKWS DT6 with mounting rail
	ZERA.wall	ZEW 7000/VTL/ALU/1049,5MM





# THE IDEAL SOCIAL ROOM

Lounge Areas, Seating Areas & Cafeteria



# THE IDEAL SOCIAL ROOM

VIVAA.pendant  
VIVAA.free

VIVAA.fit  
VIVAA.social

**„Well-designed and targeted lighting is far more than just brightness in a room for people with dementia. Especially biodynamic light, oriented toward natural daylight, can demonstrably help to positively influence the disrupted day–night rhythm in people with dementia. In addition, good lighting supports orientation in the room, can provide daily structure, minimize fall risk, and promote general well-being.“**

Antje Holst  
Kompetenzzentrum Demenz in Schleswig-Holstein  
Alzheimer Gesellschaft Schleswig-Holstein e.V. / Selbsthilfe Demenz

## EXPERIENCING COMMUNITY—LIGHT AS A BRIDGE

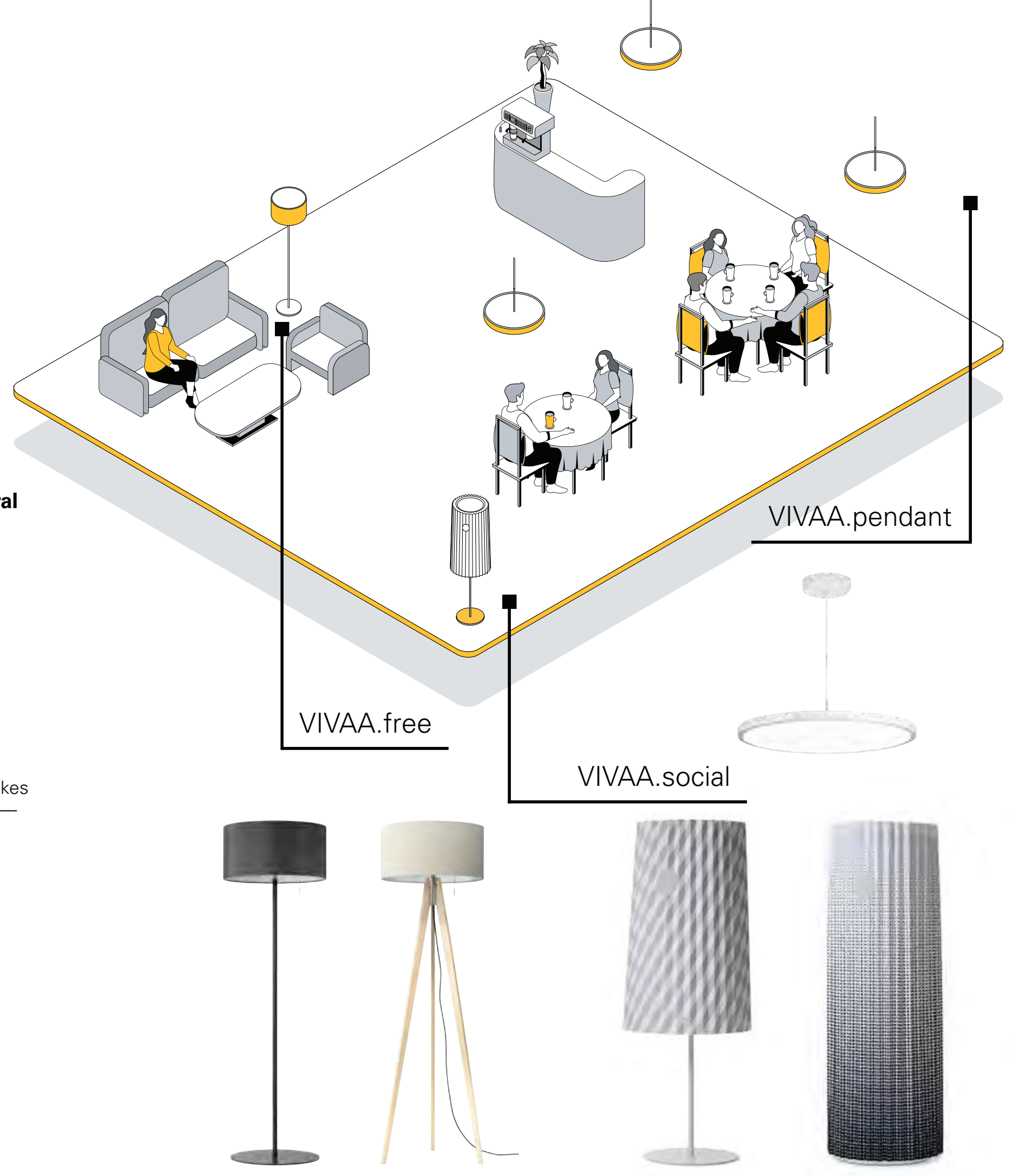
In the social areas of nursing homes, social interaction is essential for joy and participation. Waldmann lighting solutions create pleasant, uniform illumination that makes faces easier to recognize and communication more natural. Light thus becomes a bridge—fostering closeness, community, and active togetherness.

## BETTER SLEEP—HEALTH THROUGH DAYLIGHT SIMULATION

Coordinated lighting with daylight simulation supports the natural biorhythm: during the day, bright dynamic light promotes activity; in the evening, reduced blue content encourages melatonin production—for restful sleep and vitality. Older adults benefit in particular, as their eyes absorb less light with age.

## MOVING SAFELY—REDUCING FALL RISKS

Low-shadow, glare-free light ensures good orientation and reduces tripping hazards. Everyday fall risk decreases significantly—an essential contribution to safety, independence, and quality of life in old age.





THE IDEAL SOCIAL ROOM

# VIVAA.pendant

Suspended Luminaire



**MORE WELL-BEING**

The integrated daylight simulation supports a healthy sleep-wake cycle, improves mood and sleep quality, and enhances overall well-being.

**MORE SAFETY**

The low-shadow direct and indirect lighting provides even brightness throughout the room. Combined with daylight simulation, it significantly reduces the risk of trips and falls.

**BETTER DAILY LIFE**

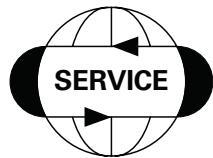
Flexible lighting design gives residents greater autonomy while also supporting social interaction in daily life—for more activity and quality of life.

**ENCOURAGES SOCIAL INTERACTION**

The luminaire creates an atmosphere that fosters community and communication. Different design options further enhance its impact on both the space and the people in it.

**SMARTER ECONOMY**

Thanks to its high light output, fewer fixtures are often needed per room. VIVAA.pendant is durable, energy-efficient, and delivers sustainable cost-effectiveness.





THE IDEAL SOCIAL ROOM

## VIVAA.fit

Surface-Mounted Luminaire /  
Wall-Mounted Luminaire



### MORE WELL-BEING

The integrated daylight simulation supports a healthy sleep-wake cycle, improves sleep and mood, and sustainably enhances quality of life.

### MORE SAFETY

The low-shadow direct and indirect lighting provides even brightness throughout the room. Together with daylight simulation, it significantly reduces the risk of falls.

### BETTER DAILY LIFE

Flexible lighting design gives residents greater autonomy, encourages activity, and supports a lively sense of community in everyday life.

### ENCOURAGES SOCIAL INTERACTION

The luminaire creates a pleasant atmosphere that promotes communication and togetherness—and convinces with its impact on both the space and the people in it, even with low ceilings or when wall-mounted.

### SMARTER ECONOMY

Thanks to its high light output, fewer fixtures are often needed per room. VIVAA.fit is efficient, durable, and ensures effective lighting with minimal maintenance.





THE IDEAL SOCIAL ROOM

# VIVAA.free

Free-Standing Luminaire



**MORE WELL-BEING**

The integrated daylight simulation supports a healthy sleep-wake cycle, improves sleep and mood, and promotes vitality and overall health.

**MORE SAFETY**

The low-shadow direct and indirect lighting ensures even illumination and, together with daylight simulation, helps prevent falls.

**BETTER DAILY LIFE**

Flexible lighting design gives residents more autonomy, encourages social interaction, and creates a reliable structure for the daily routine.

**ENCOURAGES SOCIAL INTERACTION**

The luminaire creates an atmosphere that fosters communication and community. Thanks to its adaptable effect, it adjusts both to the room and to people’s needs.

**SMARTER ECONOMY**

With its high light output, fewer fixtures are often needed. VIVAA.free is efficient, durable, and provides effective lighting with a clean room design.





THE IDEAL SOCIAL ROOM

# VIVAA.social

Free-Standing Luminaire



## MORE WELL-BEING

The integrated daylight simulation stabilizes the natural sleep-wake cycle, improves sleep and mood, and sustainably enhances vitality and quality of life.

## MORE SAFETY

The low-shadow direct and indirect lighting provides even brightness and, together with daylight simulation, helps significantly reduce the risk of falls.

## BETTER DAILY LIFE

Flexible lighting design supports residents' autonomy, makes it easier to maintain a structured daily routine, and at the same time fosters social interaction in everyday life.

## ENCOURAGES SOCIAL INTERACTION

VIVAA.social creates an atmosphere that strengthens communication and community. Its effect unfolds both within the space and directly for people, adapting flexibly to different usage situations.

## SMARTER ECONOMY

With its high light output, fewer fixtures are often sufficient. VIVAA.social is efficient, durable, and ensures effective lighting with a modern design.





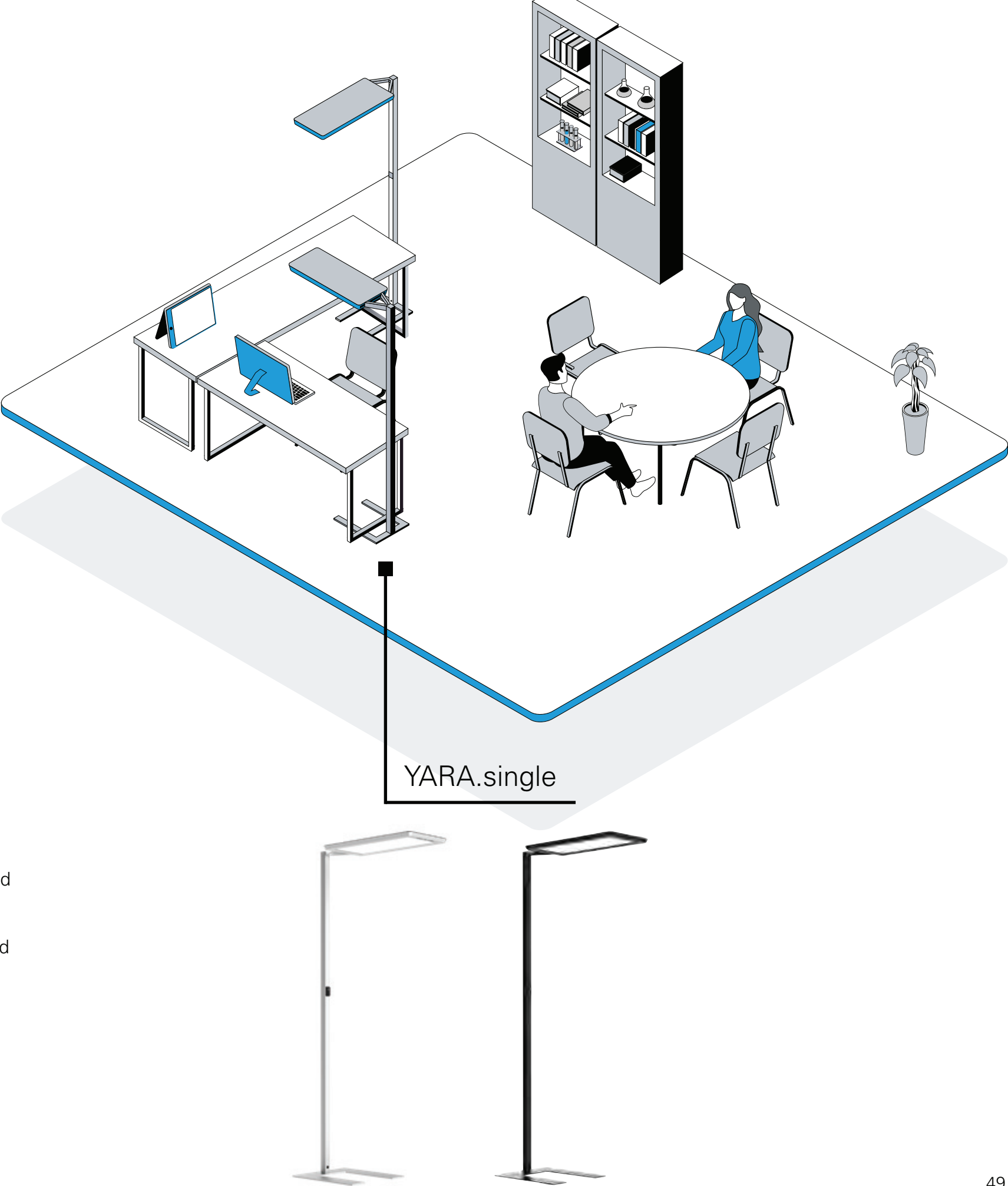


THE IDEAL SOCIAL ROOM  
**PRODUCT OVERVIEW**

TRADE NAME		PRODUCT DESCRIPTION
	VIVAA.social	VSS 7000/VTL/D/BL/1596MM/RWS/CEE
	VIVAA.social	VSS 7000/VTL/D/WS/985MM/RWS/CEE
	VIVAA.free	VFS 7000/VTL/D/ANT/ESCHE DK/CEE
	VIVAA.free	VFS 7000/VTL/D/ANT/ANTGR/CEE
	VIVAA.pendant	VIP 10000/VTL/D/WS/VBLG/WS CASAMBI module (optional)
	VIVAA.pendant	VIP 7000/VTL/D/WS/VBLG/WS CASAMBI module (optional)
	VIVAA.fit	VIA 10000/VTL/D/WS/600MM
	VIVAA.fit	VIA 7000/VTL/D/WS/450MM

# THE LIGHT-OPTIMIZED OFFICE

YARA.single



## LIGHT FOR OFFICES AND ADMINISTRATION IN HEALTHCARE

Work environments in healthcare are also changing: administration, organization, and communication are becoming increasingly digital, flexible, and networked. Offices are evolving into places of collaboration and exchange—supplemented by zones for focus and quiet.

Comprehensive lighting design plays a key role in meeting these demands. User-centered LED lighting ensures optimal visual conditions, increases satisfaction, and contributes to employee health. Light enhances concentration, reduces fatigue, and creates an atmosphere in which people enjoy working.

With Waldmann solutions, sustainable, energy-efficient, and digital lighting concepts emerge—tailored to the individual needs of staff. The result: productive, future-ready working environments in healthcare.



THE LIGHT-OPTIMIZED OFFICE

# YARA.single

Free-Standing Luminaire



**MORE WELL-BEING**

The integrated daylight simulation stabilizes the natural sleep-wake cycle, improves sleep and mood, and reduces sick days—for healthier employees and stronger teams.

**WORK MORE EFFECTIVELY, AVOID MISTAKES**

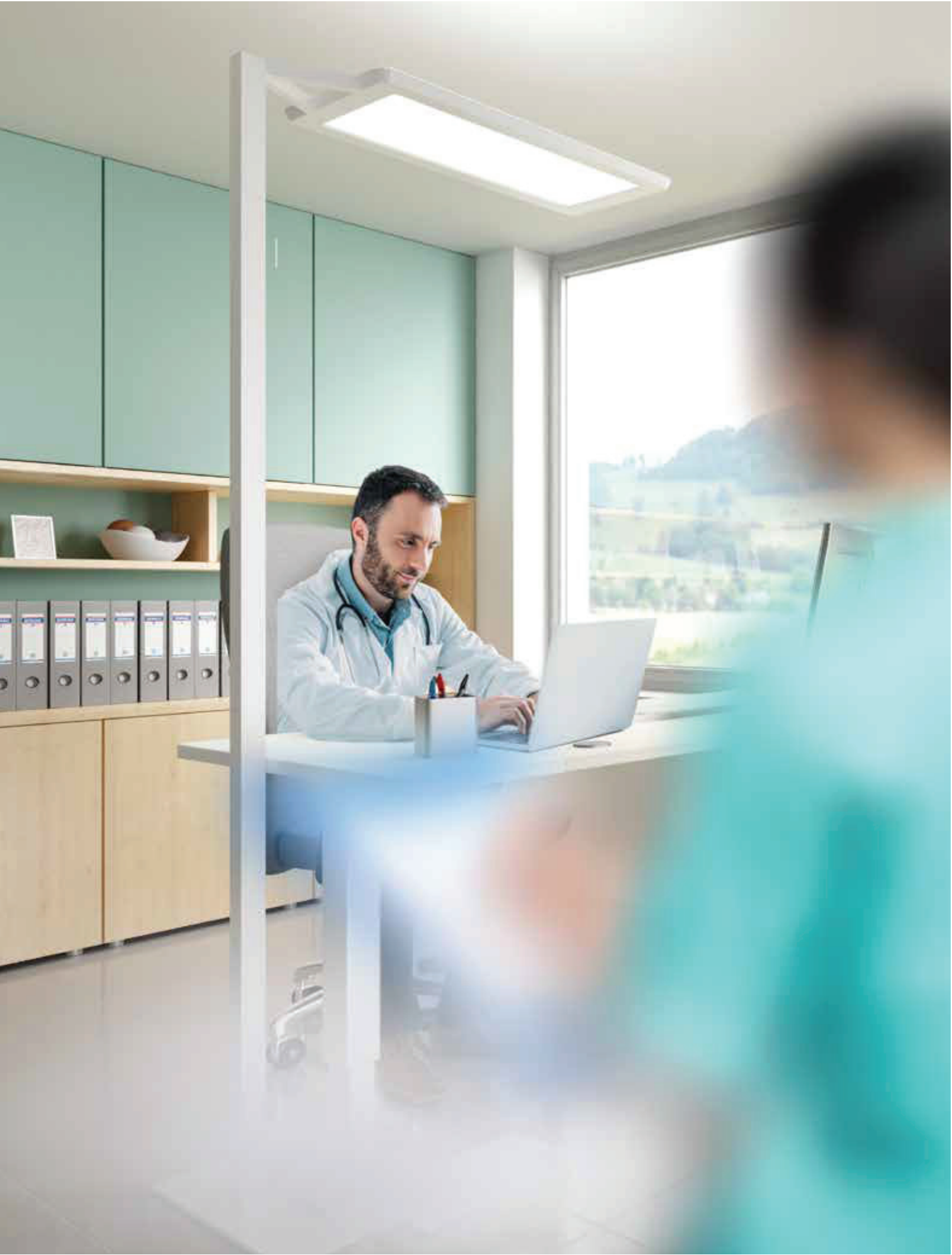
The right lighting enhances concentration and alertness, supports precise work, and actively helps prevent errors.

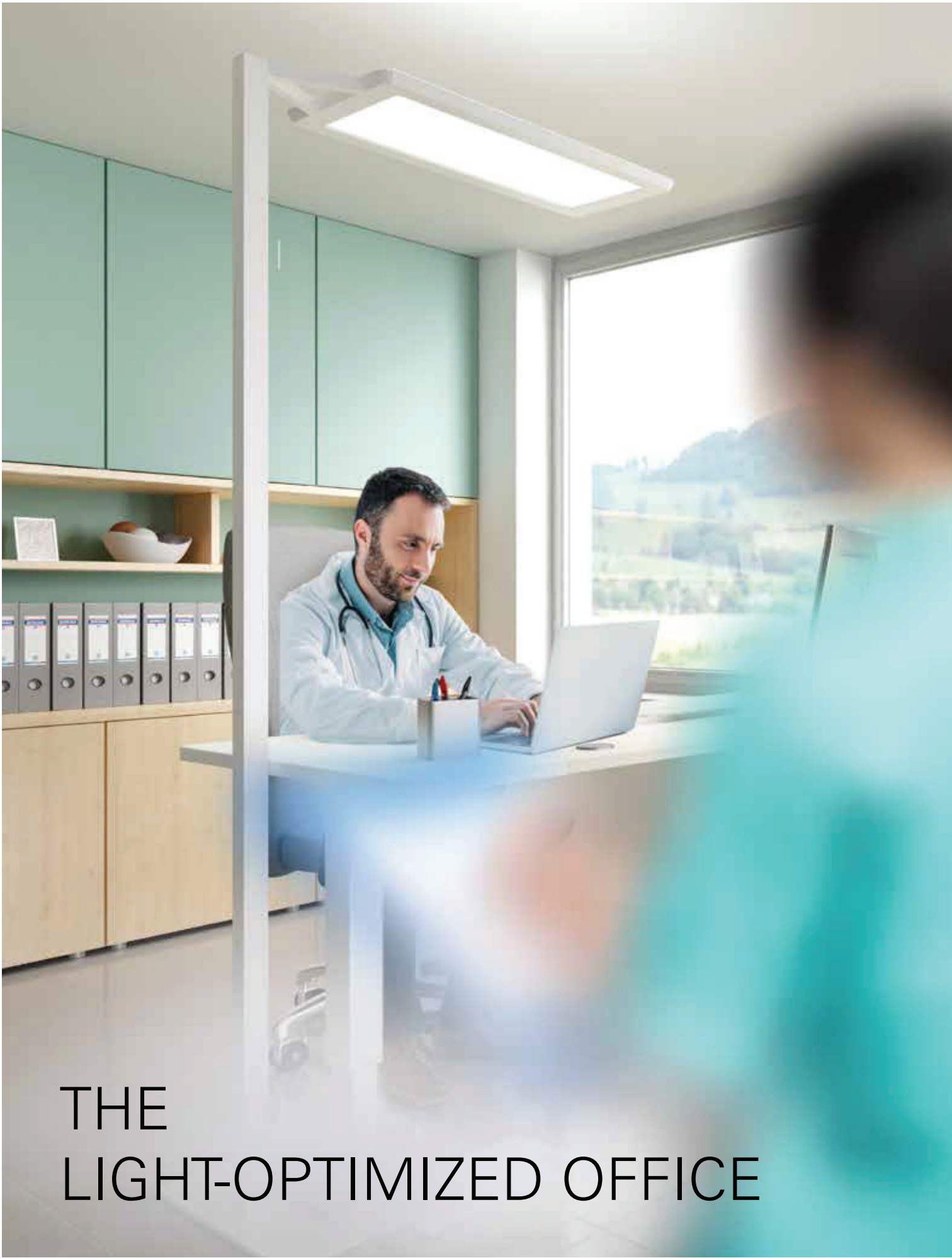
**BOOSTED PROBLEM-SOLVING ABILITY**

Dynamic lighting stimulates creativity, making it easier to develop innovative ideas and solve complex tasks.

**SMARTER ECONOMY**

Thanks to its high light output, fewer fixtures are needed per room. In addition, YARA.single is efficient, durable, and represents a sustainable investment in modern work environments.

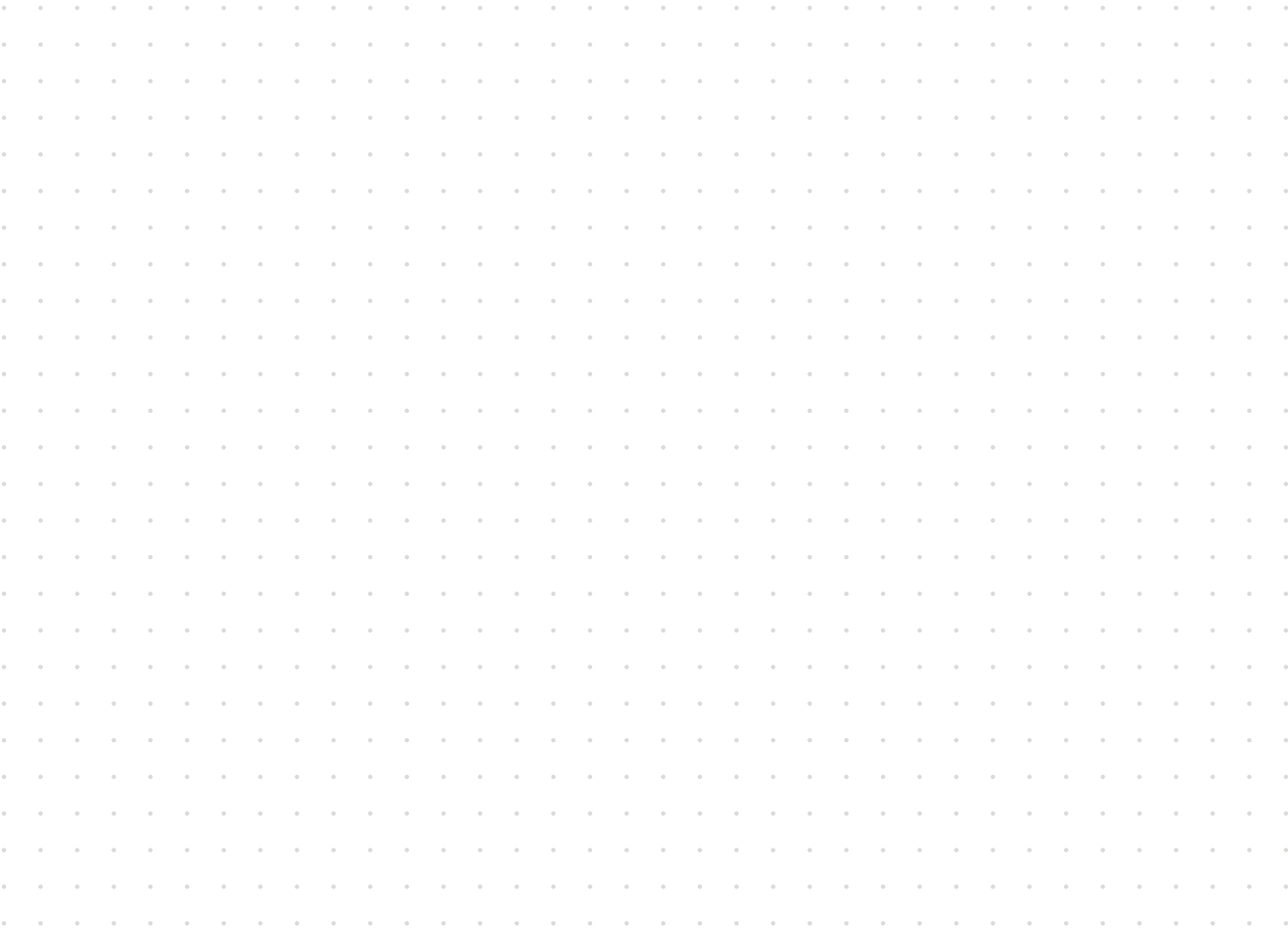




THE  
LIGHT-OPTIMIZED OFFICE

THE LIGHT-OPTIMIZED OFFICE  
**PRODUCT OVERVIEW**

TRADE NAME		PRODUCT DESCRIPTION
	YARA.single	YAS 15000/VTL/RX/SW/CEE/S0/C





# LIGHT FOR BETTER RESULTS

Since 1928, **Waldmann** has continuously advanced work environments in industry, office, and healthcare.

As a family-owned company, we design lighting solutions with one clear focus: **people**.

That is how **“Light for Better Results”** is created.

Our luminaires are part of modern connectivity concepts that digitally optimize workplaces—energy-efficient, intelligently networked, and future-proof.

Thanks to deep in-house production **made in Germany**, durable components, and precise craftsmanship, our products actively contribute to conserving resources.


The **20-year warranty** underlines our commitment to quality.





THE PERFECT RESIDENT ROOM

TRADE NAME		PRODUCT DESCRIPTION
	ZERA.bed	ZEW 11000/830/D/ALU/1049,5MM
	VIVAA.free	VFS 7000/VTL/D/ANT/ESCHE DK/CEE
	VIVAA.free	VFS 7000/VTL/D/ANT/ANTGR/CEE
	OBLO.fit	OBA 4000/830/WS/460MM

THE BRIGHT BATHROOM

TRADE NAME		PRODUCT DESCRIPTION
	ZERA.bath	ZEW 3000/830/ALU/600MM

THE OPTIMAL CORRIDOR

TRADE NAME		PRODUCT DESCRIPTION
	VANERA.fit	VAA 6000/927-965/D/VKWS DT6 with mounting rail
	ZERA.wall	ZEW 7000/VTL/ALU/1049,5MM

THE LIGHT-OPTIMIZED OFFICE

TRADE NAME		PRODUCT DESCRIPTION
	YARA.single	YAS 15000/VTL/RX/SW/CEE/S0/C



PRODUCT OVERVIEW

THE IDEAL SOCIAL ROOM

TRADE NAME		PRODUCT DESCRIPTION
	VIVAA.social	VSS 7000/VTL/D/BL/1596MM/RWS/CEE
	VIVAA.social	VSS 7000/VTL/D/WS/985MM/RWS/CEE
	VIVAA.free	VFS 7000/VTL/D/ANT/ESCHE DK/CEE
	VIVAA.free	VFS 7000/VTL/D/ANT/ANTGR/CEE
	VIVAA.pendant	VIP 10000/VTL/D/WS/VBLG/WS CASAMBI module (optional)
	VIVAA.pendant	VIP 7000/VTL/D/WS/VBLG/WS CASAMBI module (optional)
	VIVAA.fit	VIA 10000/VTL/D/WS/600MM
	VIVAA.fit	VIA 7000/VTL/D/WS/450MM