



ZERA

THE WALL
MOUNTED LUMINAIRE



reddot award 2018
winner

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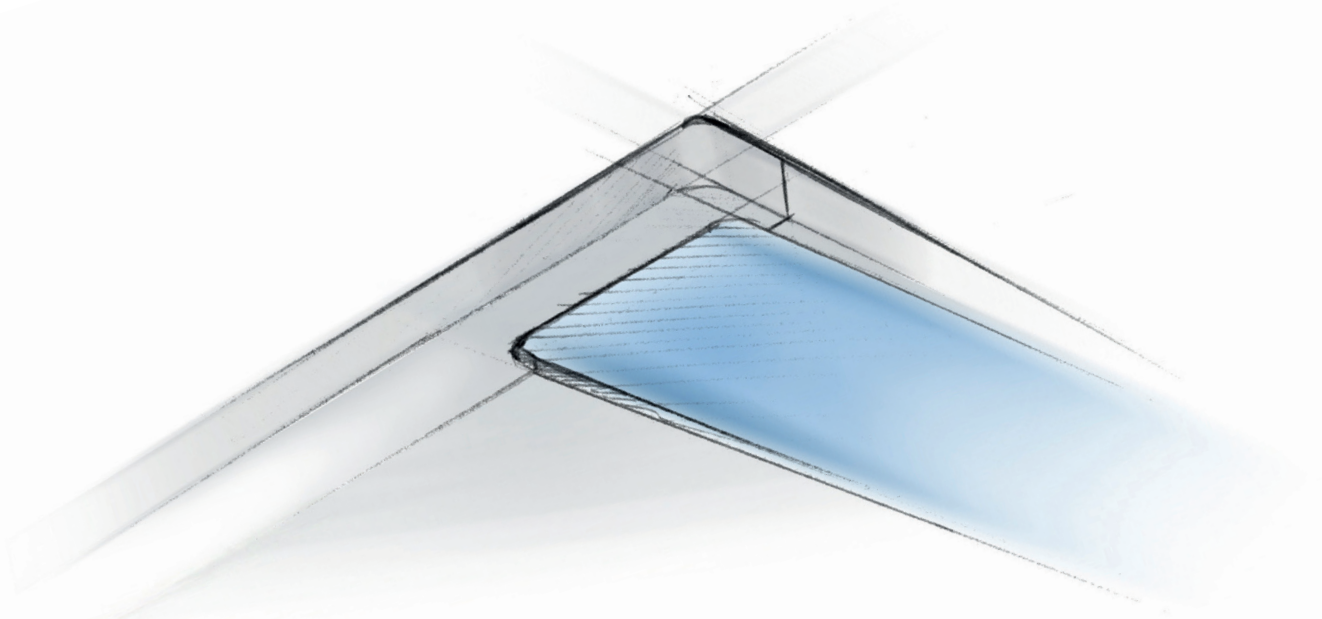
"DESIGN –
A HARMONIOUS RELATIONSHIP BETWEEN SHAPE AND SPACE."

Erwin Weitgasser, designer





LIGHTING ENGINEERS FROM DERUNGS AND THE CREATIVE MINDS AT ZEUG DESIGN: CREATORS OF THE ZERA



A CONVERSATION WITH **PRODUCT DESIGNER ERWIN WEITGASSER** ABOUT THE **DEVELOPMENT OF THE ZERA.**

Mr Weitgasser, you and your team have already received several renowned design awards. What is the guiding principle behind your innovations? What inspires you?

Our team has always been guided by the principle that "design has soul". What we mean by this is a self-assured product identity. We are brave enough to strike out in new directions and we scrutinize the characteristics of already established products. What inspires me personally, to be frank, are the beautiful things in life: we surround ourselves daily with beautiful objects. Often these are so simple and modest and yet they still have an inimitable quality. This is the kind of identity we want to bring to life in our designs.

Zeug Design is very eclectic. You develop products in the most diverse areas ranging from consumer electronics to action sports gear to capital goods. What is it about the topic of lighting in particular that fascinates you?

The issue of lighting is really exciting because you are not just dealing with the design of the luminaire itself; light also shapes the space around it. Light accentuates and emphasizes materials and brings colors to life. Whether it is natural or artificial, light is what lends a room atmosphere; it bids us linger a while, enticing us to relax with a book, enjoy a fine wine with friends or to focus while working.

GREAT STYLE COMES FROM PURE EXPRESSION OF NECESSITY.

THE ZERA FAMILY OF LUMINAIRES.

The restrained, elegant look of the ZERA luminaire family inspires everyone: The slender ZERA luminaires don't only look good in nursing home and hospital rooms, but also in hallways, common areas and lavatories. Highly efficient LEDs and specially developed optics ensure inviting direct and indirect light. The ZERA luminaire family's high lighting efficiency opens up new options for architectural design. First, less light is needed to achieve required illumination intensity. Secondly, the luminaires are very efficient and long-lasting. Their extremely slender silhouette and sandblasted anodized aluminum housing communicate airiness and elegance. The rounded corners, the narrow gap dimensions and the premium workmanship give the ZERA a overall image of high quality that makes for a stylish interior.

VARIETY.

FOR BEDS, HALLWAYS, STAIRWAYS AND BATHROOMS.



ZERA Bed wall-mounted luminaire

Versatile light for nursing home and hospital rooms:

- Various light scenarios adapt to the needs of users
- The latest LEDs and excellent light technology turn light into an experience
- A variety of equipment packages meet individual requirements



BED

residents' rooms and patient rooms



ZERA Wall wall-mounted luminaire

Efficient light for hallways and stairways:

- Slim, reduced design fits into the space harmoniously
- Above-average light output requires fewer luminaires
- Excellent lighting efficiency reduces energy consumption



WALL

hallways and stairways



ZERA Bath luminaire

Perfect light for every bath:

- The latest LEDs and light technology for optimal illumination of baths and lavatories
- Subtle, modern design underscores the architecture
- Glare-free, uniform light helps prevent falls



BATH

bathrooms



reddot award 2018
winner

ZERA BED LUMINAIRE.

DEVELOPED FOR EVERYDAY VERSATILITY IN HEALTHCARE.

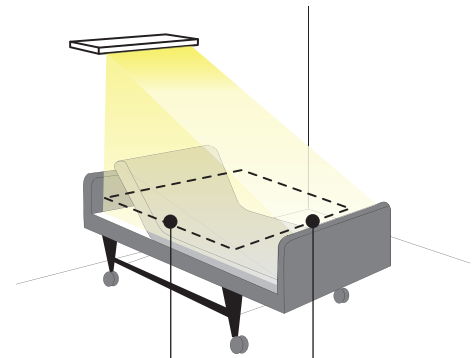
In terms of the technical specifications for the ZERA Bed the designers and developers have placed a great emphasis on modularity and functionality. So the luminaire has four separate or jointly switchable light scenarios. The two basic models with various configuration packages meet individual needs. The best examination conditions are provided by the examination light, which is determined by the size of the bed, and which offers either 300 lux at the end of the bed or 1 000 lux in the examination area.



The latest LED modules and innovative glare suppression technology open completely new options for preventing glare at people lying next to or across from the lights. The ZERA Bed produces a homogeneous, low-glare lighting experience. The warm lighting ensures pleasant basic illumination, while the rectangular, neutral white examination light provides the perfect conditions for

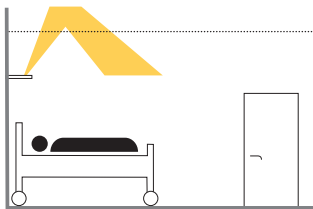
examinations and nursing activities. The reading light is calming while simultaneously enabling optimal reading conditions. It takes into account the greater lighting requirements of older people. The night light, with its warm light, ensures easy orientation around the room.

The innovative free-form optic enables a clearly defined, homogeneous examination light.



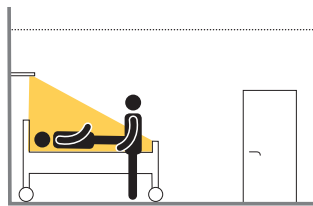
1 000 lx
moderate illumination intensity
at the examination level

300 lx
at the end
of the bed



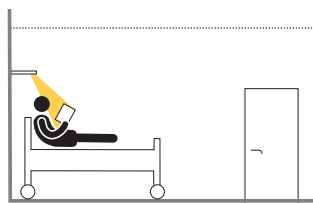
General lighting

- Warm white light 3000 K
- Pleasant spatial perception
- Indirect
- Homogeneous
- Glare-free



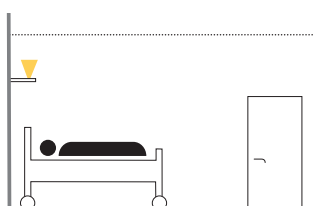
Examination light

- Neutral white light 4000 K
- Color rendering CRI > 90
- Asymmetrical
- Clearly defined
- Glare-free



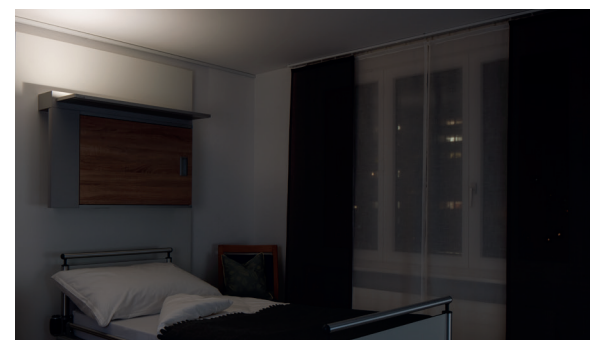
Reading light

- Warm white light 2700 K
- Calming
- Age appropriate illumination intensity
- Asymmetrical
- Glare-free



Night light

- Warm white light 2700 K
- Calming
- Indirect
- Homogeneous
- Glare-free

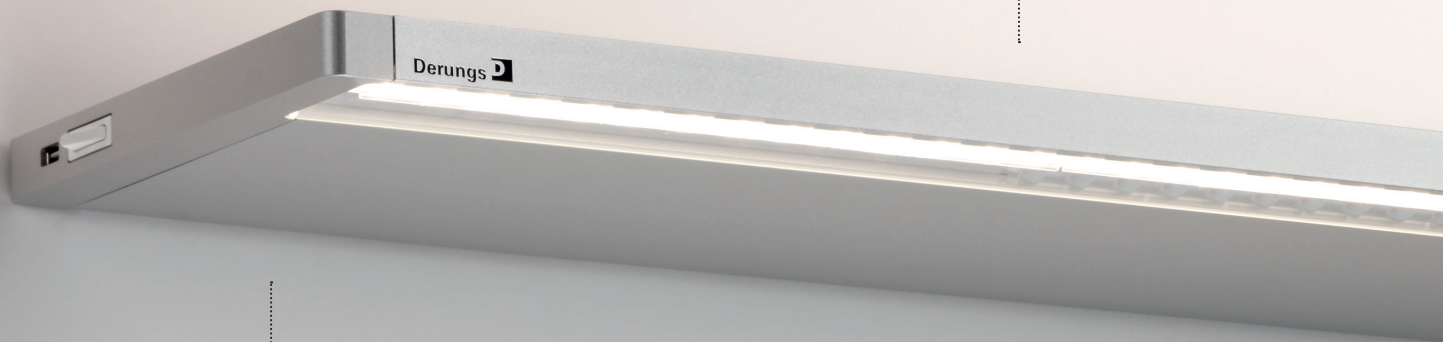


ZERA BED



Latest LED technology
for energy reduction

4 different light scenarios
general lighting, examination light,
reading light, night light



Asymmetric free-form optic
for effective light control

Elegant, flat design
for discreet integration in the room

EN 60598-2-25

suitable for rooms used for medical purposes

**Strong examination light**

for high illumination of the bed with up to 1 000 lx, 4 000 K, CRI > 90

**Needs-based light**

for residents, patients and staff

**High quality aluminum luminaire body**

for quick and easy cleaning

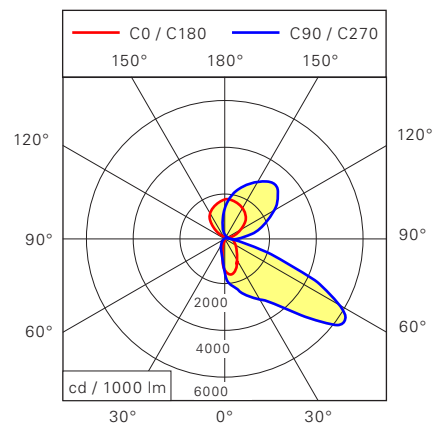
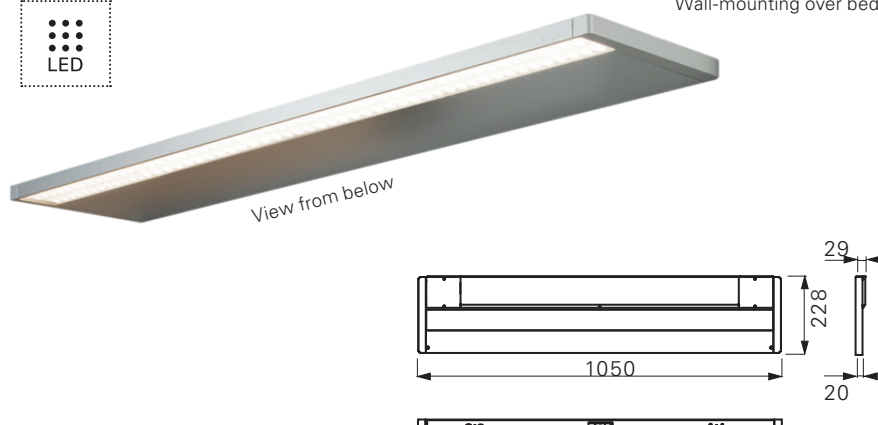
Optional

- **Circadian light management VTL**
for a biological effect

ZERA Bed



Installation height 1.8 m
Wall-mounting over bed



Photometric data
-10% / +20% tolerance

ZERA Bed compact

- Suitable for nursing and rehabilitation facilities as well as the hospital sector
- Modern very slimline design
- Homogeneous, rectangular examination light with two different illumination intensities (300 / 1 000 lx)
- Single or combined switchable light scenarios
- Can be integrated with DALI light management system
- ZERA bed luminaires come with optional VTL (HCL)

ZERA Bed technical

Light distribution	direct/indirect
Luminous flux	6900 lm* / 11,090 lm*
Luminous efficacy	General lighting 103 lm/W*
Illumination intensity	300 lx at the end of the bed or 1000 lx at the examination level
Light color	2700 K, 3000 K and 4000 K**
Color rendering	CRI > 80 and CRI > 90 (examination light)

Measurements 1 050 x 228 x 20 mm (L x W x H)

* -10 % / +20 % tolerance, ** depending on light scenario

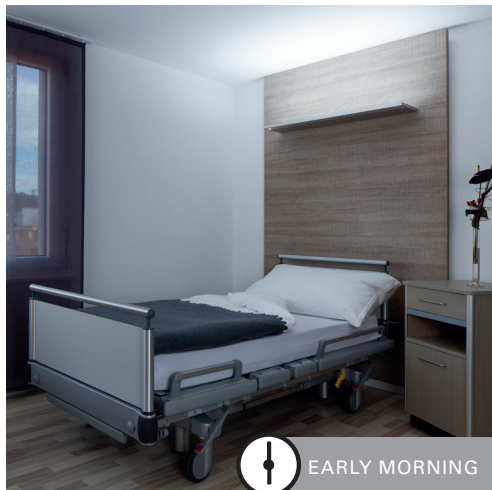
ZERA Bed

Description	ORDER NO.	Technology	Light output	Luminous flux	Feature
ZERA Bed Eco 36/20 W	D15.955.000	switchable	61 W	6 900 lm	with reading light
ZERA Bed Eco 36/20 W	D15.968.000	switchable	64 W	7 090 lm	with reading / night light
ZERA Bed Eco 36/20 W	D15.969.000	switchable	61 W	6 900 lm	with LVC reading light
ZERA Bed Eco 36/20 W	D15.970.000	dimmable DALI	61 W	6 900 lm	with reading light
ZERA Bed 36/33 W	D15.733.000	VTL	95 W	8 890 lm	with reading / night light
ZERA Bed 36/33 W	D15.695.000		89 W	8 690 lm	with reading / night light
ZERA Bed 36/33 W	D15.696.000	switchable	86 W	8 500 lm	with reading light
ZERA Bed 36/33 W	D15.736.000	switchable	89 W	8 690 lm	with reading / night light, LS rocker switch for examination light
ZERA Bed 36/33 W	D15.844.000	switchable	89 W	8 690 lm	with LVC reading / night light, LS rocker switch for examination light
ZERA Bed 36/33 W	D15.752.000	switchable	89 W	8 690 lm	with reading / night light, RS rocker switch for examination light
ZERA Bed 36/33 W	D15.845.000	switchable	89 W	8 690 lm	with LVC reading / night light, RS rocker switch for examination light
ZERA Bed 36/33 W	D15.720.000	dimmable DALI	86 W	8 500 lm	with reading / night light
ZERA Bed 36/60 W	D15.734.000	VTL	128 W	11 090 lm	with reading / night light
ZERA Bed 36/60 W	D15.697.000	switchable	122 W	10 890 lm	with reading / night light
ZERA Bed 36/60 W	D15.698.000	switchable	116 W	10 700 lm	with reading light
ZERA Bed 36/60 W	D15.737.000	switchable	122 W	10 890 lm	with reading / night light, LS rocker switch for examination light
ZERA Bed 36/60 W	D15.939.000	switchable	122 W	10 890 lm	with LVC reading / night light, LS rocker switch for examination light
ZERA Bed 36/60 W	D15.764.000	switchable	122 W	10 890 lm	with reading / night light, RS rocker switch for examination light
ZERA Bed 36/60 W	D15.940.000	switchable	122 W	10 890 lm	with LVC reading / night light, RS rocker switch for examination light
ZERA Bed 36/60 W	D15.721.000	dimmable DALI	119 W	10 700 lm	with reading / night light





VISUAL TIMING LIGHT. HCL - LIGHT MANAGEMENT



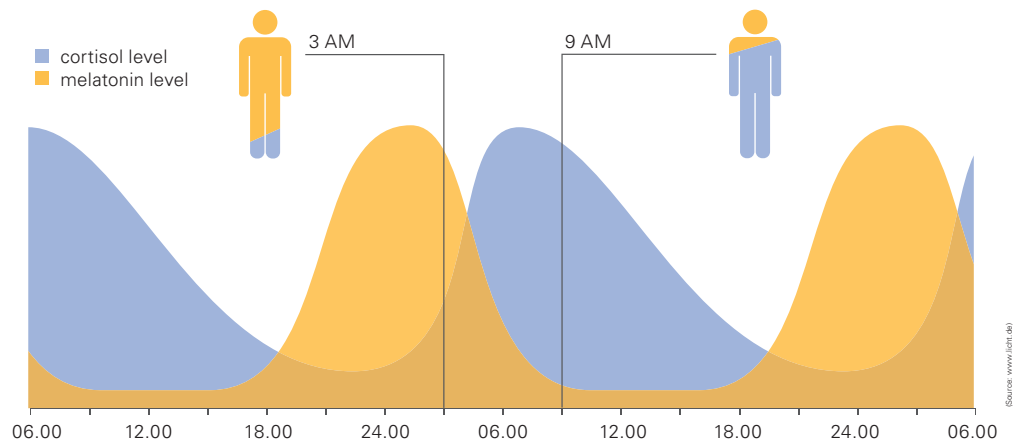
EARLY MORNING



MID MORNING

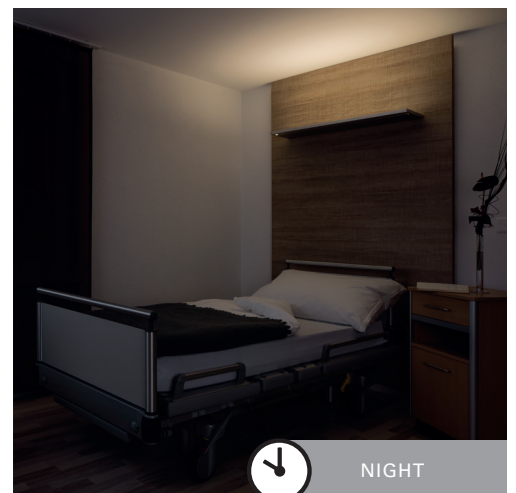
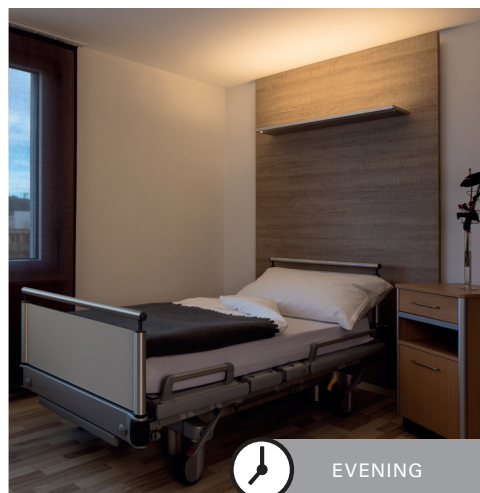


MIDDAY



Human centric lighting – meaning biologically effective light – has long since become a well recognized issue. For more than ten years the light management system Visual Timing Light has helped support the sleep-wake rhythms of the elderly or bedridden. VTL is integrated as an intelligent component in the ZERA Bed and ZERA wall-mounted luminaire. It simulates the changing daylight by automatically varying the intensity and light color of the indirect general lighting.

The clearly defined and time-dependent regulating curve is based on scientific findings and evaluations. The light color varies between 6500 K (similar to daylight, stimulating) and 3000 K (warm white, cozy). This sequence comes as close as possible to the natural light cycle and is perceived as pleasurable. It stimulates the body's endogenous metabolic processes which enhance well-being and convalescence in a natural way.



ZERA WALL-MOUNTED LUMINAIRES.

THE TIMELESS VISION: STYLISH AND STRAIGHT.

With the ZERA wall-mounted luminaire, the Derungs development team has brought a new generation of wall lights to life. Equipped with high-output LEDs, packed in an aluminum body and easily installed with wall rails, it provides new freedom for lighting designers, electrical installers and architects. Problematic spaces that are narrow, low or lack windows are not only optimally illuminated by the high portion of indirect light, but also appear larger and more inviting. The narrow silhouette almost disappears into the space. Which would be a pity because the focus is more on the light performance and less on the design.





ZERA BATH LUMINAIRE. BIG IN ANY SMALL BATH.

Lighting is always a challenge in baths and lavatories. Whether it's the nighttime trip to the toilet or the danger of falling on a wet floor: If you see well, you move more safely. ZERA Bath doesn't just help prevent falls, but also transforms any small bathroom into an inviting space. At the same time, the slender ZERA Bath light is bright without glare. Especially pleasing is the low-shadow, uniform illumination that ZERA Bath achieves with its high portion of indirect light. The special IP44 protection against water splashing ensures safe use in the bathroom.

ZERA Wall-mounted luminaires / Bath luminaires



Very high performance
requires fewer luminaires

High lighting efficiency up to 137 lm/W
decreases energy consumption



Premium color LED cover
for optimal light diffusion



Slim luminaire body
fits harmoniously into the indoor architecture



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winner

ZERA BATH

EN 60598-2-25
suitable for medical rooms

Indirect portion: approx. 60%
for uniformly bright, low-shadow spaces



Easy to install and maintain
thanks to one-person installation and premium
LED modules

Special luminaire geometry
for easy cleaning and improved hygiene

Optional for ZERA wall-mounted luminaires

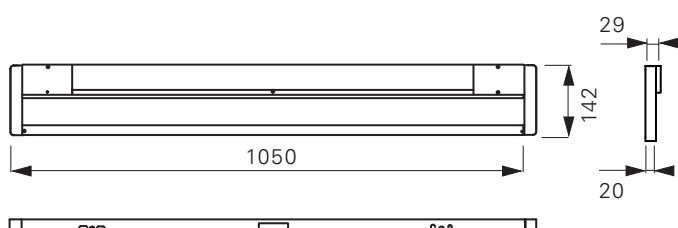
- **Circadian light management VTL**
for a biological effect

ZERA Wall-mounted luminaire

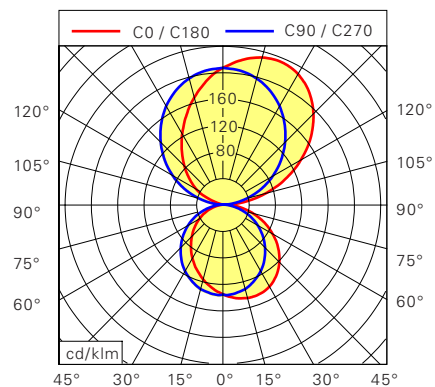


View from below

ZERA 40 W



Installation height 2.0 m
Wall-mounting along the hallway



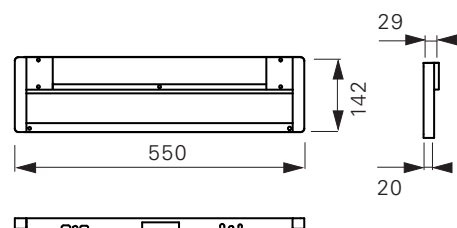
Photometric data
-10% / +20% tolerance

ZERA Bath luminaire

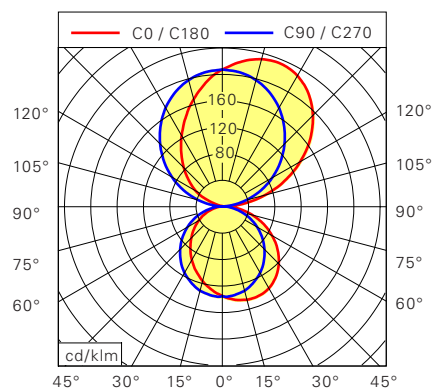


View from below

ZERA Bath 20 W



Installation height 1.8 m
Wall-mounting above a resident's mirror



Photometric data
-10% / +20% tolerance

ZERA compact

- ZERA Wall is suitable for hallways and stairways, special bath version ZERA Bath
- Slim appearance: luminaire body only 20 mm high
- Very high light output up to 137 lm/W
- Lower installation cost thanks to a smaller number of luminaires
- Economical thanks to high energy efficiency
- Quick to install and maintenance-free
- Can be integrated with a DALI light management system
- ZERA wall-mounted luminaires come with optional VTL
- ZERA Bath with IP44

ZERA Wall and Bath technical information

Light distribution	direct/indirect
Luminous flux	2 800 lm ¹ or 6 600 lm ²
Luminous efficacy	up to 137 lm/W*
Light color	3 000 K, 4 000 K, 3 000 K – 6 500 K
Color rendering	Ra >80
Dimensions (L x W x H)	Wall 1 050 x 142 x 20 mm Bath 550 x 142 x 20 mm

* -10 % / +20 % tolerance

¹ ZERA Bath 20 W² ZERA 40 W, ZERA VTL 40 W**ZERA**

Description	ORDER NO.	Technology	Light output	Luminous flux
ZERA 20 W – 3K	D15.936.000	dimmable DALI	18 W	2 800 lm
ZERA 20 W	D15.448.000	VTL	25 W	3 300 lm
ZERA 40 W – 3K	D15.856.000	Dimmable DALI	40 W	5 600 lm
ZERA 40 W – 4K	D15.931.000	Dimmable DALI	40 W	5 600 lm
ZERA 40 W	D15.840.000	VTL	50 W	6 600 lm

ZERA Bath

Description	ORDER NO.	Technology	Light output	Luminous flux
ZERA Bath 20 W – 3K	D15.836.000	switchable	27 W	3 300 lm
ZERA Bath 20 W – 4K	D15.932.000	switchable	27 W	3 300 lm



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August 2019

