



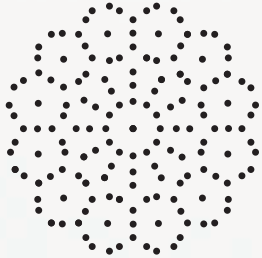
**TRILUX**  
SIMPLIFY YOUR LIGHT.

## **LATERALO**

LED  
PENDANT LUMINAIRES  
SYSTEMS

ARCHITECTURAL

concept of system and design  
hartmut s. engel, design studio



Binary Light Guide System®



product  
design award

2014 ■



reddot award 2014  
winner

DESIGN PLUS  
powered by: light+building

As a designer with a great affinity towards technology, I find the dynamic developments in the world of LED lighting encourage me to look at a whole range of exciting alternatives. Experimentation at both the technical and the aesthetic level to exploit the enormous freedom of design can give rise to some unusual and unexpected lighting structures.

The Lateralo systems are an excellent example of this. By focusing enthusiastically on a holistic design approach we have been able to develop a product philosophy that is true to the very nature of LED lighting.

Innovative LED technology and bilateral injection of light into transparent plexiglas surfaces have enabled us to make radical structural savings. Lateralo is exclusively comprised of functional elements which are essential in terms of lighting technology and the aesthetics of light.

The Binary Light Guide System that I have devised and that has been perfected by lighting engineers provides a network of duplicate light guide points in two levels. This leads to improvements in efficiency, incredible fullness of light and a pleasant reduction in luminance.

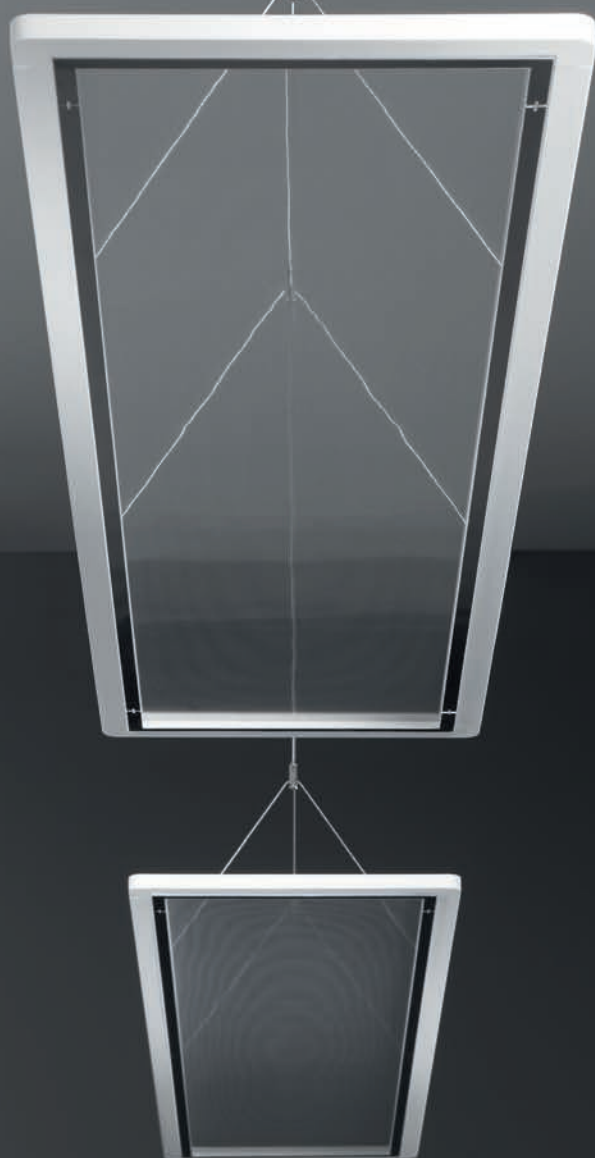
The aesthetic charm of the frame, which gives a high level of precision to the ultra low-profile light surface with its direct and indirect emission characteristics, adds an emotional component to the product architecture.

The surprising transformation of the transparent disk into a light-emitting surface within a three-dimensional organic design, coupled with superior quality of light are what characterize the unmistakable appearance of my designs. The luminaire is as beautiful when switched off as it is when switched on.

In my eyes the designs of the Lateralo systems qualify as contemporary art in their tension between functional complexity and aesthetic and physical minimalism.

LATERALO  
**PLUS**

MAGICAL: FIRST  
TRANSPARENCY –  
THEN LIGHT





## AESTHETIC FULL OF TENSION

The almost magical metamorphosis of the transparent optics into a light-emitting surface which bathes the room in light of unexpected fullness gives rise to aesthetic tension. Without any visible power supply each Lateralo Plus provides an incredible amount of light – from 6000 to 9000 lm, in two sizes: 340×1176×14 mm and 340×1455×14 mm.





## SUPERIOR QUALITY OF LIGHT

Soft glare-free light for pleasant appreciation of characterful faces and pretty objects. For relaxed communication and concentrated screen-based work. Room-filling light – like that from a floor-to-ceiling window – for intense illumination of ceilings, walls and work surfaces. Soft shadows and dynamic light create a unique experience.





# INNOVATIVE MICROPRISMS FURTHER IMPROVED

## The Binary Light Guide System from TRILUX

Lateralo Plus offers impressive, innovative and intelligent two-level networking of the latest prism technology. Homogenous emission from the light surface and aesthetic dynamic light are the result of bilateral edge injection of LED light into two light guide panels with corresponding light

guide points. Compared with a single emission surface, the light is more efficient, more intense and more capable of filling a room (>100 lm/W available luminous flux). The optimized 50/50 ratio between direct and indirect light and the balanced luminance create a comfortable atmosphere.

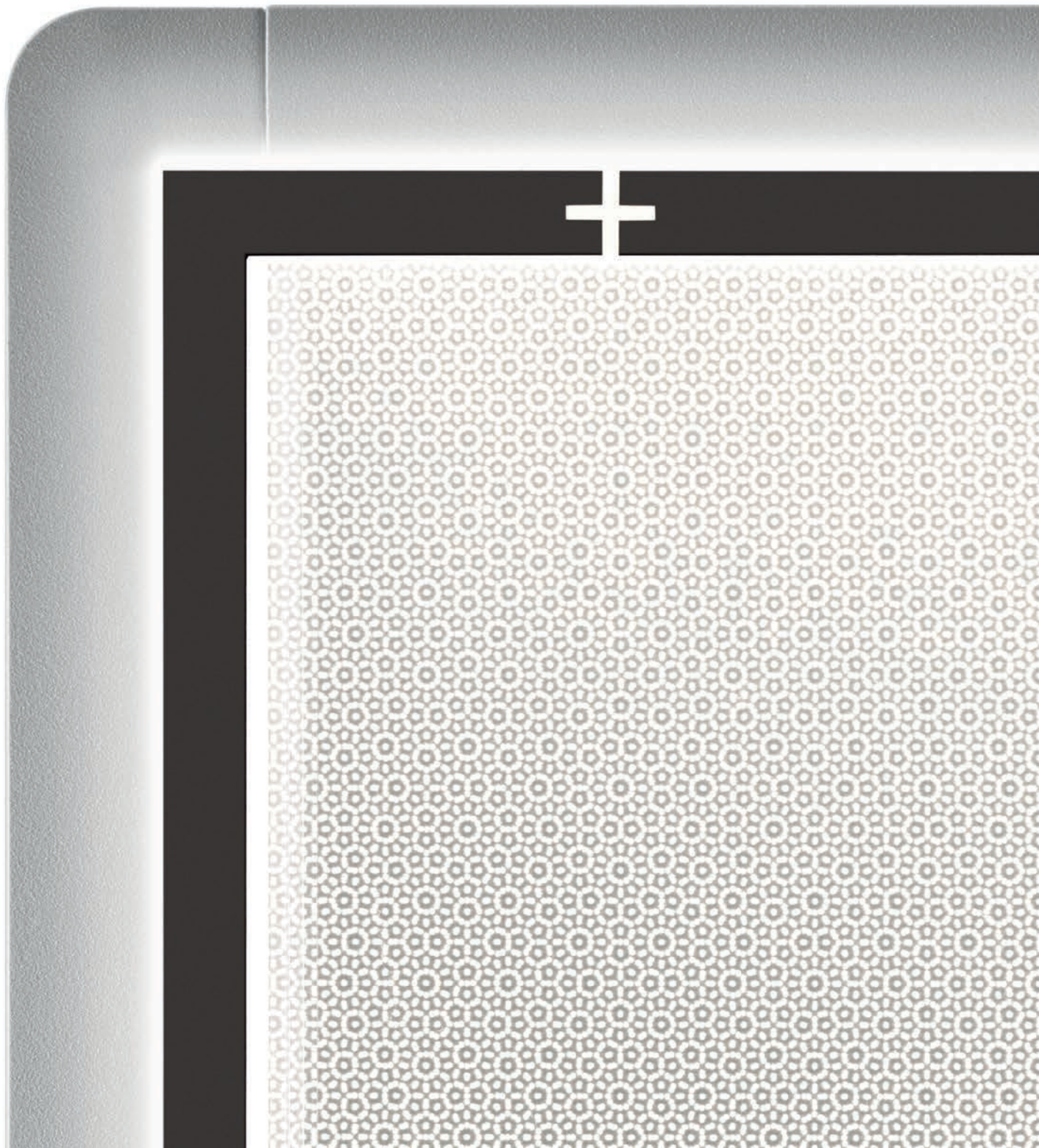
The indirect component allows objects and faces to appear in

their best light with pleasing soft shadows. Broader than average distribution of the intense indirect light has an extraordinarily positive effect on rooms with low ceilings or where walls need to be illuminated uniformly in the vertical direction.

The pleasant soft direct light resembles that of the sun and is ideal for screen-based

workstations, offering glare-free uniform and motivating light with high illuminance levels for work surfaces.

The Binary Light Guide System not only provides excellent quality of light it also has a charming appearance all of its own. The light points on the light-emitting surface create a three-dimensional organic look.









## FROM FUNCTION TO POETRY

On Lateralo products the functional elements are enriched with sensual components, providing the inspiration for aesthetic experiences which lead to emotional identification with the product. The effect of the white or colored shining lightframe, which holds the optics and the LED system, turns the luminaire into a sensual object. In conjunction with the sunny homogenous light from the ultra low-profile disk, the frame projects the poetry of light into the room.

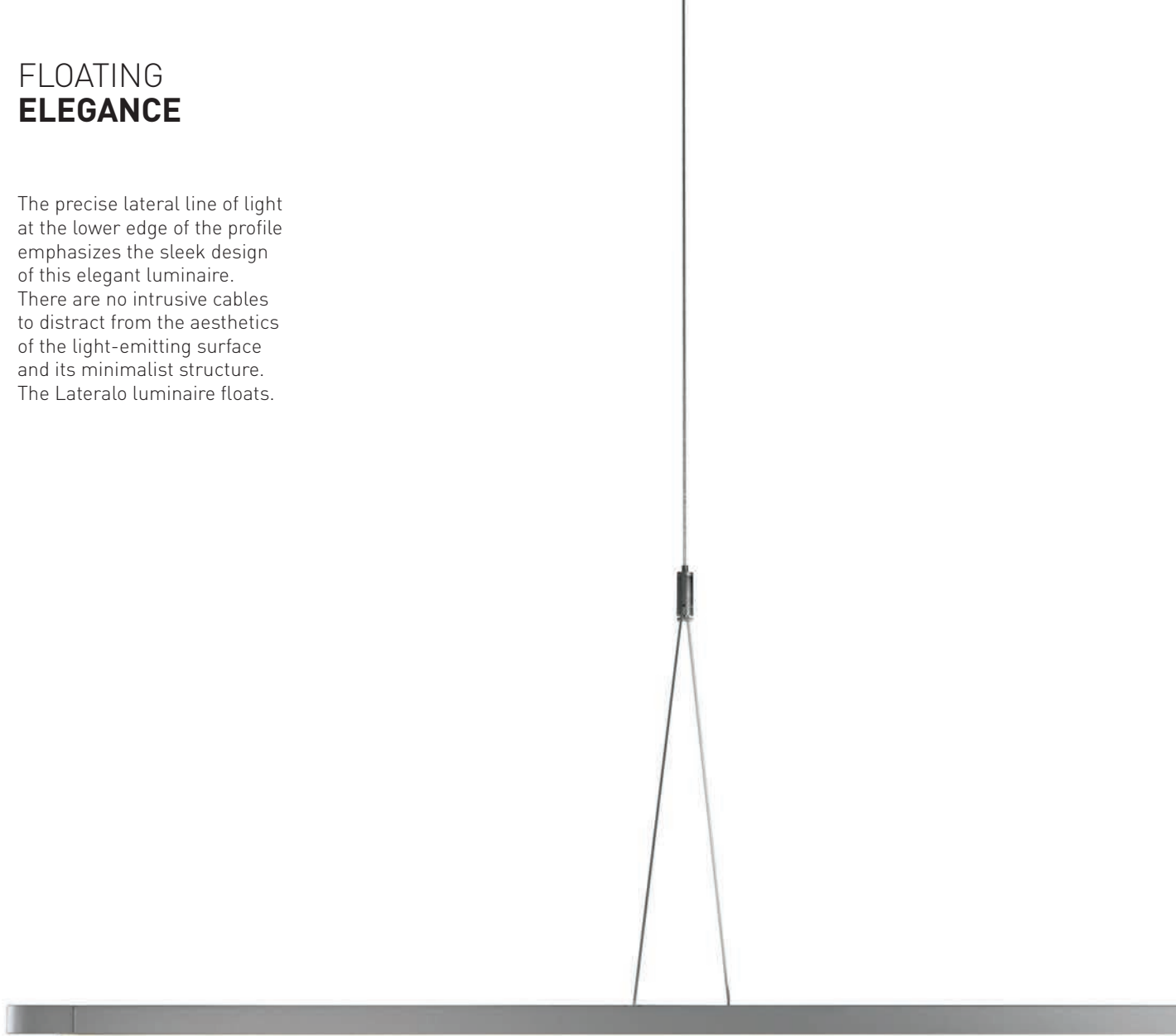




## FLOATING ELEGANCE

The precise lateral line of light at the lower edge of the profile emphasizes the sleek design of this elegant luminaire.

There are no intrusive cables to distract from the aesthetics of the light-emitting surface and its minimalist structure. The Lateralo luminaire floats.



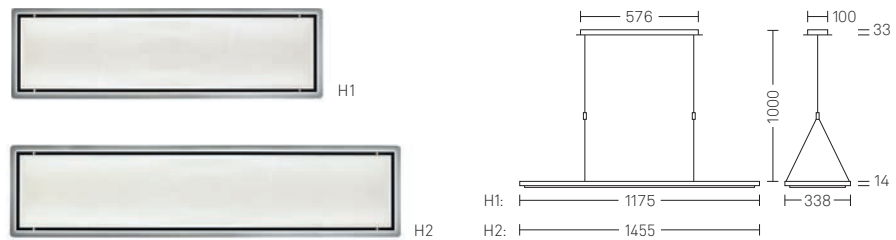


# LATERALO PLUS

Ultra low-profile LED pendant luminaire with the highly efficient Binary Light Guide System

Light color 840=4000K  
Color rendering RA>80  
Other color temperatures available on request

Light frame radiant white  
Other colors for the housing and light frame available on request



## LATERALO PLUS H1

338 × 1175 × 14 mm

Housing color	Product reference	lm	Trilux order code
White	Lateralop H1 BLGS 6000-840 ETDD 01 *	6000	TOC 63 487 51
White	Lateralop H1 BLGS 7500-840 ETDD 01	7500	TOC 63 650 51
Silver	Lateralop H1 BLGS 6000-840 ETDD 03 *	6000	TOC 63 488 51
Silver	Lateralop H1 BLGS 7500-840 ETDD 03	7500	TOC 63 651 51

## LATERALO PLUS H2

338 × 1455 × 14 mm

Housing color	Product reference	lm	Trilux order code
White	Lateralop H2 BLGS 7500-840 ETDD 01 *	7500	TOC 63 489 51
White	Lateralop H2 BLGS 9000-840 ETDD 01	9000	TOC 63 652 51
Silver	Lateralop H2 BLGS 7500-840 ETDD 03 *	7500	TOC 63 490 51
Silver	Lateralop H2 BLGS 9000-840 ETDD 03	9000	TOC 63 653 51

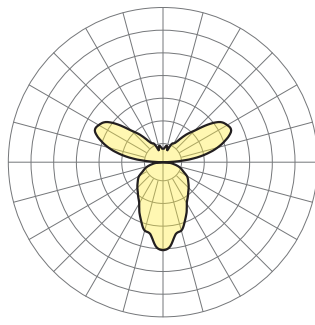
\*Version with reduced luminous flux for limited luminance values  $L=3000 \text{ cd/m}^2$

## INSTALLATION ACCESSORIES

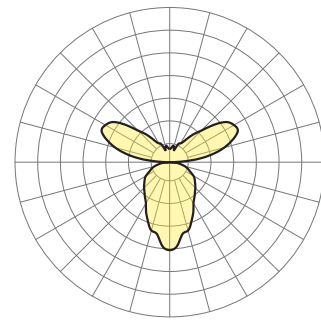
FOR H1 UND H2

Product reference	Description
Lateralop C 63 491 00	Accessories for flush mounting the ceiling rose in sawn ceilings
Lateralop MP M84 63 492 00	Ceiling plate for installation in module ceilings Module 625
Lateralop MP M73 63 493 00	Ceiling plate for installation in module ceilings Module 600

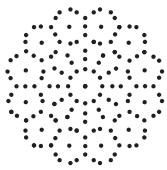




**LVK LateraloP H1**  
**LED6000-840**  
 Direct/indirect  
 distribution of light 50/50



**LVK LateraloP H2**  
**LED7500-840**  
 Direct/indirect  
 distribution of light 50/50



Binary Light Guide System®

**Superior quality of light thanks to perfectly uniform illumination of ceilings, walls and work surfaces.**

**Glare-free with high luminous intensity and extremely soft shadows for maximum visual comfort and concentrated screen-based work (UGR < 19).**

**High lumen packages from 6000 to 9000 lm. Other light outputs on request.**

**LED lifespan > 50 000 h.  
 Luminaire efficiency > 100/W.**

**Luminaire structure**

Luminaire body made from extruded aluminum, head pieces made from die-cast aluminum. Luminaire body solvent-free, fine-structured, powder-coated. Exclusive light frame with reflector strips made from brushed stainless steel. Cable-less connection between the electronics unit and the light-emitting surface via nickel-plated wire suspension system with two-pin SELV, short-circuit protected. Dimensions (L×W) 1175×338mm, luminaire height 16 mm.

**Electrical connection**

A separate feed is not needed for supplying power to the light-emitting surface. Power is supplied via the wire suspension system.

**Electrical design**

With electronic converter, digital dimmable (DALI). The converter and connection elements are located outside the luminaire body in the ceiling unit.

**We give you 5 years guarantee!**

We guarantee not only maximum product quality but we also underline this with the TRILUX Light Guarantee. If you purchase a TRILUX product, we guarantee absolute satisfaction. Register online with the guarantee code and secure our five-year manufacturer guarantee for your purchased products installed in the EU.

What do you have to do to receive extended guarantee?

If you have bought a TRILUX product, guarantee code is on the invoice. You have to register this via the Guarantee Manager within 90 days following the purchase date. If we confirm your request, your claim to guarantee has increased to five years following the purchase date of the specified products.

[www.trilux.com/en/service/light-guarantee](http://www.trilux.com/en/service/light-guarantee)

**ETDD**

With electronic driver  
 DALI dimmable

**Housing color**

White:  
 Fine structure similar to  
 RAL 9016  
 Silver:  
 Fine structure similar to  
 RAL 9006

For data sheets and  
 installation instructions go to  
[www.trilux.com/lateralo-plus/](http://www.trilux.com/lateralo-plus/)

**Applications**

For innovative prestigious lighting in offices, conference rooms, health care facilities and hotel lobbies.

**Optical system**

With Binary Light Guide System (BLGS). Optical system comprising two fine-prismatic PMMA light guide panels arranged one above the other for light emission. With direct/indirect distribution of light. Indirect component with a particularly broad emission pattern. Suitable for screen-based workstations in accordance with EN 12464-1 thanks to limited luminance values of  $L=3000 \text{ cd/m}^2$  for emission angles above  $65^\circ$  all round for screens with positive polarity and self-luminance greater than  $200 \text{ cd/m}^2$ . Limitation of direct glare as per  $UGR < 19$ . The particularly broad emission of the indirect luminous flux component results in excellent quality of light even for small ceiling spacings.

**LED system**

LED system with side injection of light into the Binary Light Guide System. Luminaire luminous flux/connected load  $6000 \text{ lm} = 58 \text{ W}$  /  $7500 \text{ lm} = 72 \text{ W}$  /  $9000 \text{ lm} = 85 \text{ W}$ . Luminous efficacy  $> 100 \text{ lm/W}$ . Light color neutral white (nw), color temperature 4000 K, color rendering index  $R_a > 80$ , specific parameters for indicating LED life: L80/B10, ambient temperature (ta) 25°C, lifespan 50,000 hours of operation.

LATERALO  
**RING**

LIGHT  
CONCENTRATED





## PLANNING FREEDOM

Lateralo Ring gets its unlimited flexibility from the circle, the perfect basic architectural form. The transparent minimalist disk with its generous light output (6000 lm) and high efficiency (>100 lm/W) offers maximum freedom for lighting planners and will blend well with any architectural environment. With its exceptionally broad emission characteristic for indirect light and perfect distribution of light from the direct and indirect components (50:50) the 640 mm diameter Lateralo Ring is technically brilliant.







## CONCENTRIC POETRY

The effect of the white or colored shining, concentric lightframe, which holds the optics and the LED system, turns the luminaire into a sensual object. In conjunction with the sunny homogenous light from the ultra low-profile disk, the shining lightframe projects the poetry of light into the room.

With innovative  
Binary Light Guide System®.







# LATERALO RING

Ultra low-profile LED  
pendant luminaire with the  
highly efficient Binary Light  
Guide System

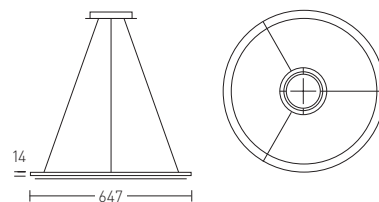
Available 2014/10

Light color 840=4000 K  
Color rendering RA>80  
Other color temperatures available on request

Light frame radiant white  
Other colors for the housing and light frame  
available on request

## LATERALO RING

Ø 647 × 14 mm

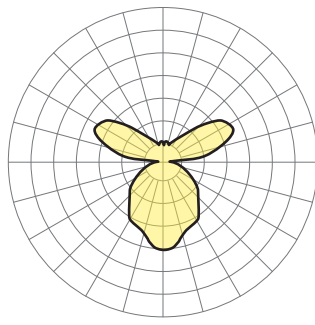


Housing color	Product reference	lm	TRILUX order code
White	LateraloR H1 BLGS 6000-840 ETDD 01	6000	TOC 63 672 51
Silver	LateraloR H1 BLGS 6000-840 ETDD 03	6000	TOC 63 673 51

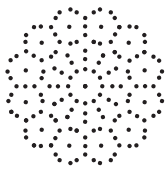
## INSTALLATION ACCESSORIES FOR LATERALO RING

Product reference	Description	TRILUX order code
LateraloR C	Accessories for flush mounting the ceiling rose in sawn ceilings	TOC 63 674 00
LateraloR MP M84	Ceiling plate for installation in module ceilings Module 625	TOC 63 675 00
LateraloR MP M73	Ceiling plate for installation in module ceilings Module 600	TOC 63 676 00





**LVK Lateralop H1**  
**LED6000-840**  
 Direct/indirect  
 distribution of light 50/50



Binary Light Guide System®

**Superior quality of light thanks to perfectly uniform illumination of ceilings, walls and work surfaces.**

**Glare-free with high luminous intensity and extremely soft shadows for maximum visual comfort**

**High lumen packages from 6000 to 9000 lm. Other light outputs on request.**

**LED lifespan > 50 000 h.**

**ETDD**

With electronic driver  
 DALI dimmable

**Housing color**

White:  
 Fine structure similar to  
 RAL 9016  
 Silver:  
 Fine structure similar to  
 RAL 9006

For data sheets and  
 installation instructions go to  
[www.trilux.com/lateralop-ring/](http://www.trilux.com/lateralop-ring/)

**Applications**

For innovative prestigious lighting in offices, conference rooms, health care facilities and hotel lobbies.

**Optical system**

With Binary Light Guide System (BLGS). Optical system comprising two fine-prismatic PMMA light guide panels arranged one above the other for light emission. With direct/indirect distribution of light. The particularly broad emission of the indirect luminous flux component results in excellent quality of light even for small ceiling spacings.

**LED system**

LED system with side injection of light into the Binary Light Guide System. Luminaire luminous flux 6000 lm, connected load 58 W. Luminous efficacy >100 lm/W. Light color neutral white (nw), color temperature 4000 K, color rendering index Ra >80, specific parameters for indicating LED life: L80/B10, ambient temperature (ta) 25°C, lifespan 50,000 hours of operation.

**Luminaire structure**

Die-cast aluminum luminaire body, solvent-free, fine-structured, powder-coated. Exclusive light frame with reflector strips made from brushed stainless steel. Cable-less connection between the electronics unit and the light-emitting surface via nickel-plated wire suspension system with two-pin SELV, short-circuit protected.  
 Diameter 647 mm,  
 luminaire height 16 mm.

**Electrical connection**

A separate feed is not needed for supplying power to the light-emitting surface. Power is supplied via the wire suspension system.

**Electrical design**

With electronic converter, digital dimmable (DALI). The converter and connection elements are located outside the luminaire body in the ceiling unit.

**We give you 5 years guarantee!**

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[www.trilux.com/en/service/light-guarantee](http://www.trilux.com/en/service/light-guarantee)

LATERALO  
**LINE**

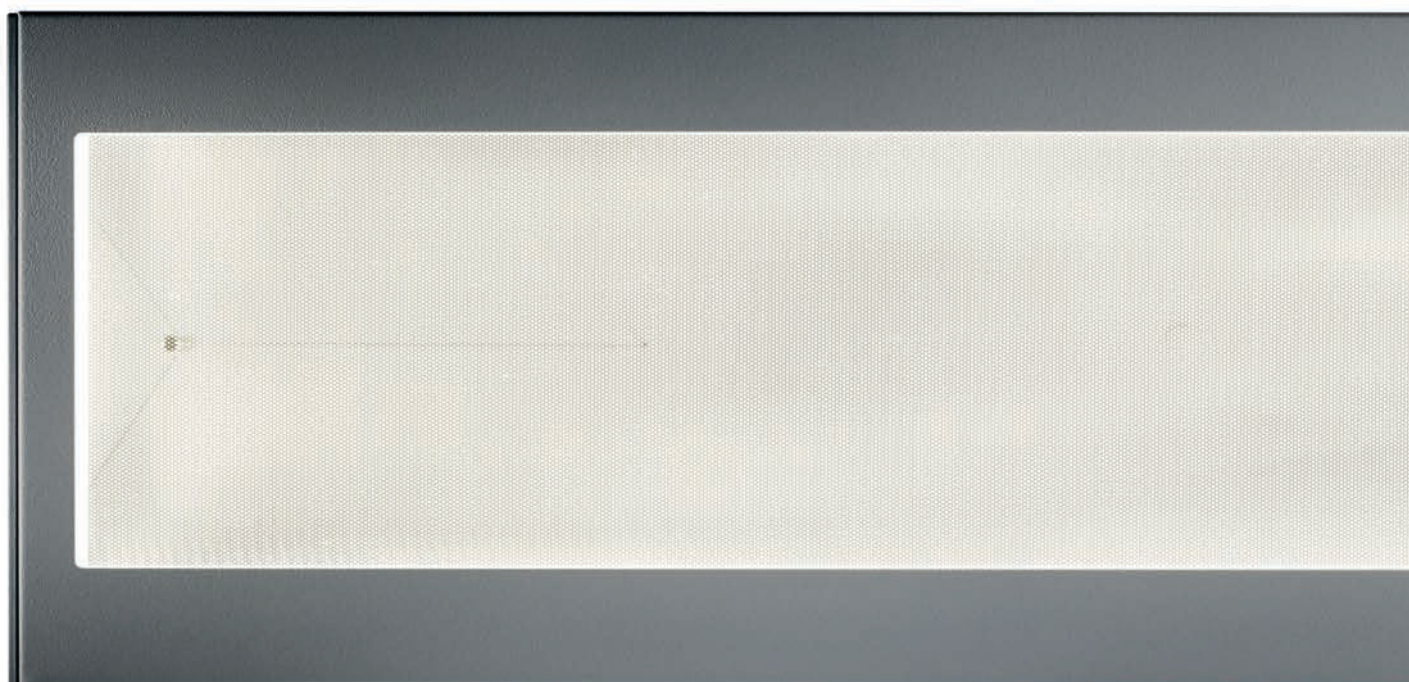
AUTONOMOUS  
CUBE





## CUBIC ELEGANCE

Homogenous light-emitting light guide system for room-filling light with extremely broad indirect emission and intense direct light. Electronic components are completely integrated in the slim housing.











## SOLO OR MODULE

The slim, stylish and seemingly weightless cubic frame holds a transparent light guide panel. There is a certain aesthetic tension as it turns into a light-emitting surface of uniform brightness. As a solo luminaire, Lateralo Line provides an effective luminous flux of 4200 lm for each modular element,

measuring 280×1176×27 mm. The unusually broad emission of indirect light and the intense direct light are in a ratio of 40:60. Even in rooms with low ceilings there is a balanced atmosphere with uniform illumination thanks to the emission characteristic of the indirect light.







## BRILLIANT CONNECTIONS

Radiant connection elements that look as if they are hardly made of any material are used to link two or more individual luminaires quickly and easily to form slim cubic strip lighting. In emphasizing the modularity of the individual luminaire, the connection system sets the rhythm of the subtle homogenous architectural element as an unmistakable characteristic feature.







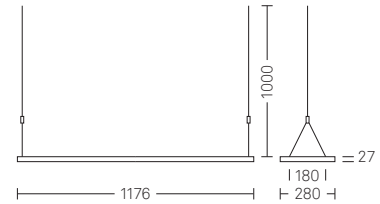
# LATERALO LINE

Exclusive LED pendant  
luminaire with  
direct/indirect light

Light color 840=4000 K  
Color rendering RA>80  
Other color temperatures  
available on request

Other colors for the housing  
and light frame available on request

**LATERALO LINE**  
280×1173×27 mm



## INDIVIDUAL LUMINAIRES

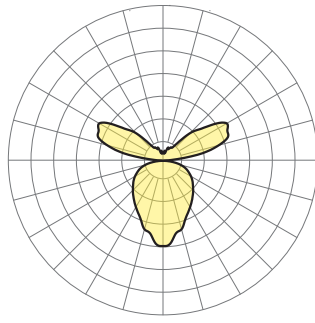
Housing color	Product reference	lm	TRILUX Order Code
White	LateraloL H LGS 4200-840 ET 01	4200	TOC 63 640 40
White	LateraloL H LGS 4200-840 ETDD 01	4200	TOC 63 640 51
White	LateraloL H LGS 4200-840 ETDD ActiM01	4200	TOC 63 642 51
Silver	LateraloL H LGS 4200-840 ET 03	4200	TOC 63 641 40
Silver	LateraloL H LGS 4200-840 ETDD 03	4200	TOC 63 641 51
Silver	LateraloL H LGS 4200-840 ETDD ActiM03	4200	TOC 63 635 51

## STRIP LIGHTING VERSIONS

STRIP LIGHTING LUMINAIRE	Middle luminaire or end luminaire	with a strip lighting coupler incl. Y-wire suspensions
White	LateraloL H-LM LGS 4200-840 ET 01	4200 TOC 63 724 40
White	LateraloL H-LM LGS 4200-840 ETDD 01	4200 TOC 63 724 51
Silver	LateraloL H-LM LGS 4200-840 ET 03	4200 TOC 63 725 40
Silver	LateraloL H-LM LGS 4200-840 ETDD 03	4200 TOC 63 725 51
FEED LUMINAIRE	First luminaire	with power cable and two terminals incl. Y-wire suspensions
White	LateraloL H-LA LGS 4200-840 ET 01	4200 TOC 63 726 40
White	LateraloL H-LA LGS 4200-840 ETDD 01	4200 TOC 63 726 51
Silver	LateraloL H-LA LGS 4200-840 ET 03	4200 TOC 63 727 40
Silver	LateraloL H-LA LGS 4200-840 ETDD 03	4200 TOC 63 727 51
FEED LUMINAIRE MASTER	First luminaire	for daylight control with power cable and two terminals incl. Y-wire suspensions
White	LateraloL H-LA LGS 4200-840 ETDD ActiM01	4200 TOC 63 728 51
Silver	LateraloL H-LA LGS 4200-840 ETDD ActiM03	4200 TOC 63 729 51

CONNECTION BOXES for ceiling outlets

White, round	ZAA/01	TOC 46 017 00
White, square	ZAE/01	TOC 46 917 00
Silver, round	ZAA/03	TOC 46 018 00
Silver, square	ZAE/03	TOC 46 918 00



**LVK LateraloL H LGS**  
**LED4200-840**  
Direct/indirect  
distribution of light 50/50

**Screen-compatible, UGR <19**  
**LED life >50 000 h**  
**Luminaire efficiency 84 lm/W**

#### Housing color

White:

Fine structure similar to  
RAL 9016

Silver:

Fine structure similar to  
RAL 9006

For data sheets and  
installation instructions go to  
[www.trilux.com/lateralo-line/](http://www.trilux.com/lateralo-line/)

#### Applications

For innovative prestigious office lighting.

#### Optical system

With Light Guide System (LGS). Optical system from a transparent fine prismatic PMMA light guide panel. The LEDs inject the light directly in the side of the LGS. With direct/indirect distribution of light. Indirect component with a particularly broad emission pattern. Limitation of direct glare as per UGR <19. The particularly broad emission of the indirect luminous flux component results in excellent quality of light even for small ceiling spacings.

#### LED system

Luminaire luminous flux 4200 lm, connected load 50 W, luminous efficacy of the luminaire 84 lm/W. Light color neutral white (840), color temperature 4000 K, color rendering index Ra >80, specific parameters for indicating LED life: L80/B10, ambient temperature (ta) 25 °C, lifespan 50,000 hours of operation.

#### Luminaire structure

Luminaire body made from steel sheet, solvent-free, powder-coated.

Dimensions (LxW) 1176 × 280 mm,  
luminaire height 27 mm.

...01...

Luminaire body, white, powder-coated.

...03...

Luminaire body, silver gray, powder-coated.

#### Electrical Connection

Luminaire including transparent connecting cable for suspension lengths of 1000 mm.

#### Elektrische Ausführung

...ET...

With electronic converter, switchable.

...ETDD...

With electronic converter, digital dimmable (DALI).

...ETDD ActiM...

With electronic converter, digital dimmable (DALI). With integrated ActiLume controller and sensor unit. For daylight-dependent control and presence detection.

#### We give you 5 years guarantee!

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[www.trilux.com/en/service/light-guarantee](http://www.trilux.com/en/service/light-guarantee)

**TRILUX GmbH & Co. KG**

Heidestraße  
D-59759 Arnsberg  
Postfach 19 60  
D-59753 Arnsberg  
Tel. +49 2932 301 0  
Fax +49 2932 301 744  
info@trilux.de

**RSL Lichttechnik**

GmbH & Co. KG  
Tannenweg 1-3  
D-53757 Sankt Augustin  
Tel. +49 2241 861 0  
Fax +49 2241 334 600  
info@rsl.de  
www.rsl.de

**Product design**

concept of system and design  
hartmut s. engel  
design studio

**Editorial design**

großgestalten  
kommunikationsdesign

**Product photography**

HG Esch Photography

**Text**

schwarz auf weiß  
Agentur für Public Relations

**Print**

Media Cologne  
Kommunikationsmedien  
GmbH

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All the technical data, weights and dimensions have been compiled with care. Errors and omissions excepted. The colors shown may not correspond exactly to the color of the products. This is due to limitations of the printing process. We reserve the right to make changes in the interest of progress.

Some of the luminaires are shown with accessories which must be ordered separately. The pictures may show special versions of the luminaires.

This brochure was printed on FSC-certified paper.

[www.trilux.com/lateralo/](http://www.trilux.com/lateralo/)





