

# FLOOR LAMPS



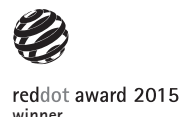
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The way light is used is evolving rapidly. Traditionally, space has been lit to help people perform tasks or create a certain mood but now the third dimension of light effects is coming to the fore; the targeted support artificial light can have on the biological rhythm. The right light at the right time improves wellbeing, greater powers of concentration and better quality of life overall.

LUCTRA® integrates these elements into everyday life using modern LED workplace lamps: individually adjustable, easy to use and timeless in appearance. LUCTRA® allows the user to retain control over optimum personal light quality – manually via the intuitive VITACORE® electronic panel, or using the app-controlled personal light profile.

The award-winning design integrates LUCTRA® seamlessly into modern office architecture. The high-quality finish of the German manufactured range confirms the LUCTRA® promise: perfect light for a perfect day.

Experience the LUCTRA® floor lamps and let yourself be inspired by light in the third dimension.



Nominated  
2015

*The biological effectiveness of LUCTRA® lamps on the human body's circadian rhythm was demonstrated in a clinical study under the guidance of sleep researcher Dr. Dieter Kunz.*

# HUMAN CENTRIC LIGHTING

Human Centric Lighting focuses on people's individual needs. Since the discovery of receptors containing melatonin, which is a hormone that makes us feel tired and encourages sleep at night, there is increased attention to the influence light has on health in addition to its role in visual tasks. Each person has an individual biological rhythm. The better this inner rhythm is synchronised with our daily routines, the better we feel and the more efficiently we are able to work. Daylight is the signal generator, which synchronises our inner rhythm with the natural course of the day.

LUCTRA® is a professional, biologically effective LED lighting range that closely replicates natural daylight, ensuring to support well-being and performance in the workplace in a targeted and effective way.



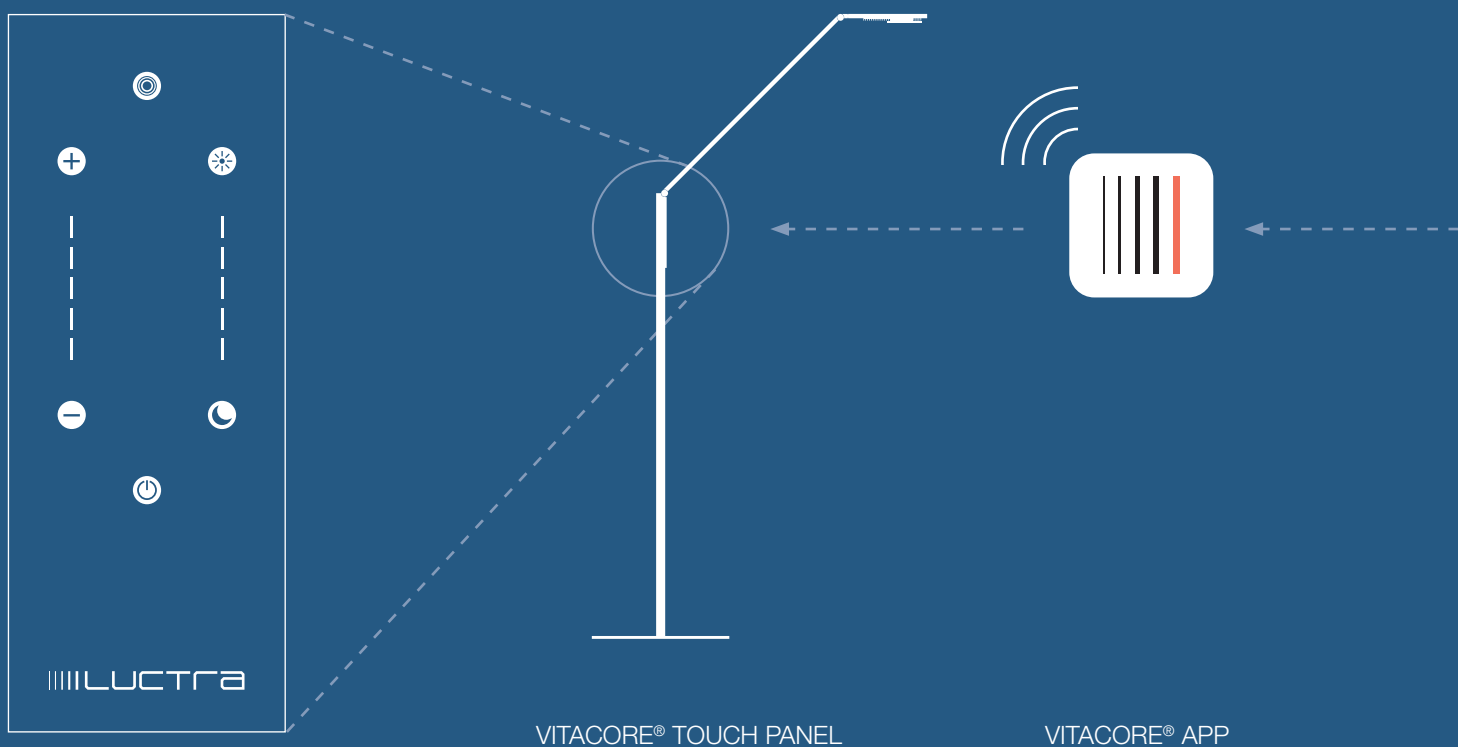
# VITACORE® TECHNOLOGY

**The heart of the LUCTRA® lamp range is the intelligent VITACORE® electronic system.**

The sleek and unobtrusive user interface only becomes visible when it is touched, offering the user intuitive access to the LUCTRA® functions. High-quality components control the lamp precisely and reliably. The brightness and colour of the light can be adjusted with a high degree of accuracy simply by placing a finger on the touch panel.

A boost function is available for short-term maximum activation. By touching the boost symbol, the maximum light intensity of the cold white LEDs is activated. This function is automatically terminated after 30 minutes.

VITACORE® is patent pending.



# VITACORE® APP

The VITACORE® app turns LUCTRA® into a personal and flexible lighting tool.

The app communicates via Bluetooth with the VITACORE® electronics. Depending on individual lighting settings, the app automatically varies the colour of the light thereby simulating the natural course of the day. The settings can be changed at any time and adjusted to individual tastes. The light setting is saved on the app and can be transferred to any LUCTRA® lamp. This makes LUCTRA® the ideal lighting range for modern office concepts with flexible workplaces.

Based on the answers to five simple questions, the VITACORE® app generates a personal 24-hour lighting sequence for the user:

1. What time does your work day start?
2. What time does your work day end?
3. When is your lunch break?
4. If you could choose your optimum working hours, which five consecutive hours would you choose?
5. What time of day do you feel most productive?



iOS



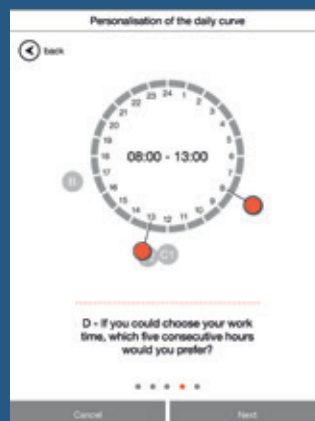
Android

The app is available as a free download for all current iOS and Android smartphones and tablet PCs.

Connection between app and lamp via Bluetooth



Activation of personal settings



Adjust light settings for the duration of the day



The performance of the VITACORE® technology and applications differ depending on the model.

# LINEAR FLOOR TWIN

Optimal direct or indirect light for up to two workplaces – LINEAR FLOOR TWIN makes it possible. The individually adjustable lamp heads ensure maximum flexibility, since their light intensity and colour temperature can be adjusted individually to the needs of each user. In this way, collaboration and team teamwork becomes even more effective.

LINEAR FLOOR TWIN can be individually programmed via intelligent VITACORE® electronics. The brightness and colour of the light can be adjusted intuitively and with a high degree of accuracy simply by placing a finger on the touch panel. With only very low power consumption, CREE high-power LEDs generate illuminance levels of up to 1,000 lux at the desktop from a height of 110 cm. Two LEDs each generate cold white (bluish) or warm white (reddish) light. Through their joint operation a wide spectrum from 2,700 to 6,500 Kelvin is reached, which covers virtually the entire bandwidth of the natural spectrum of light.

The free VITACORE® app turns LUCTRA® into a flexible lighting tool: it allows setting of a 24-hour lighting sequence, which automatically varies the colour and intensity of light and therefore simulates the natural lighting sequence through the course of the day. Another advantage: The lamp heads can be separately controlled with the VITACORE® electronics.



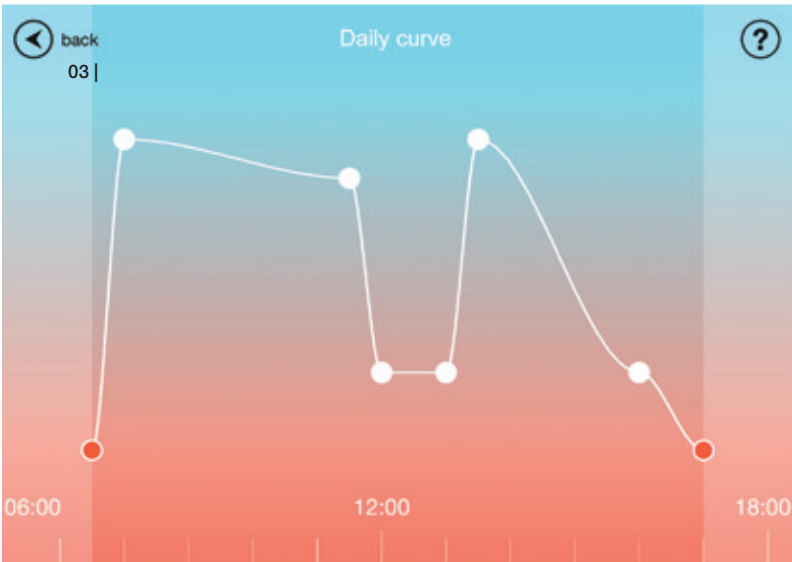
# LINEAR FLOOR TWIN FEATURES

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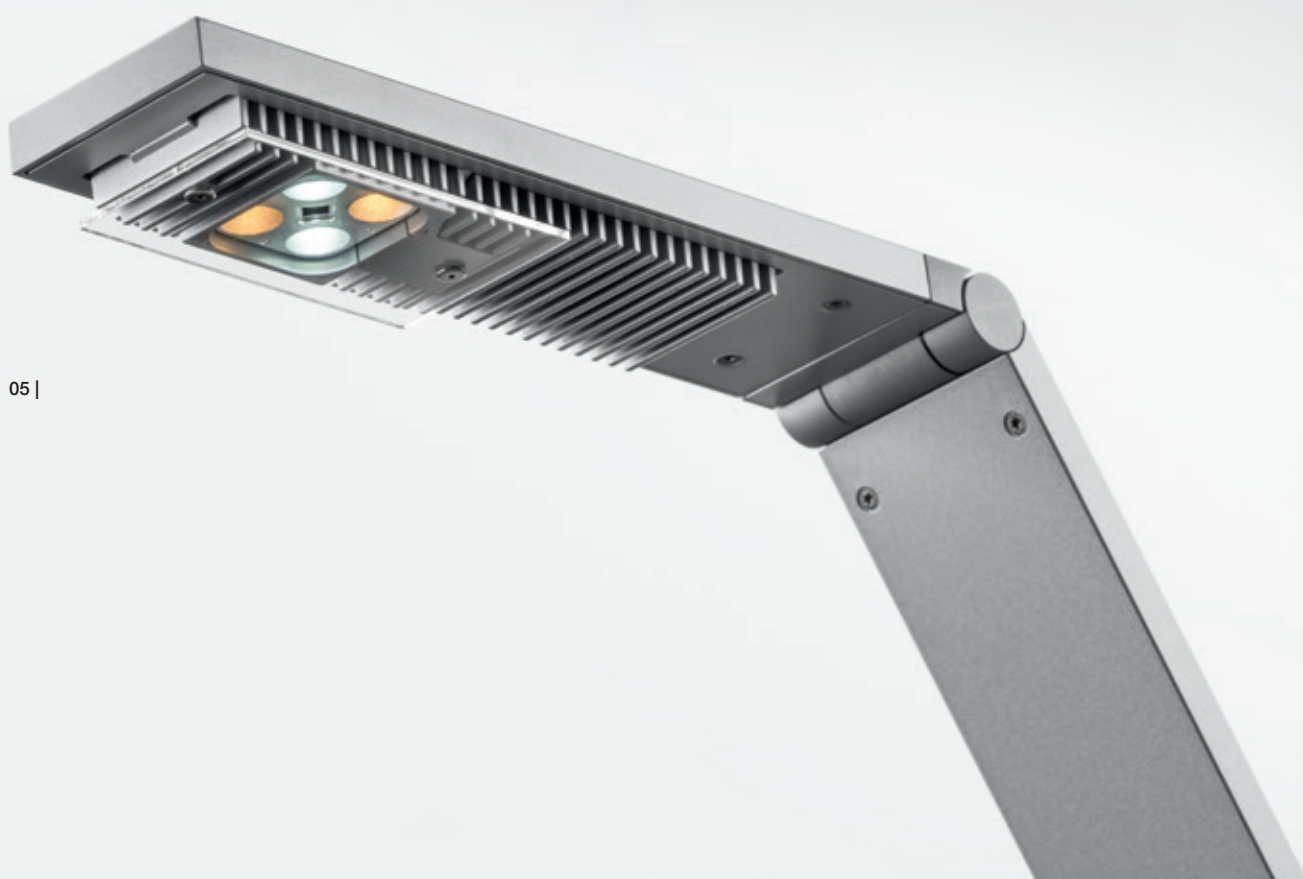
- 01 | Perfect temperature management for a long service life of well over 50,000 hours for LEDs
- 02 | Colour temperature adjustable from 2,700 to 6,500 Kelvin
- 03 | Adjustment of colour temperature to personal daily rhythm with VITACORE® app
- 04 | Rotatable heads for direct and indirect lighting, can be adjusted and set for individuals
- 05 | 4 warm-white and cold-white CREE high-power LEDs, high light illuminance of 1,000 lux at a height of 110 cm above the table surface, narrow tolerance binnings for high colour fidelity, high colour rendition with CRI  $\geq 85$

02 |







04 |



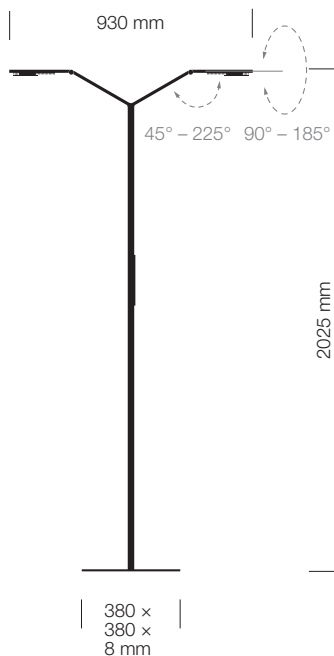
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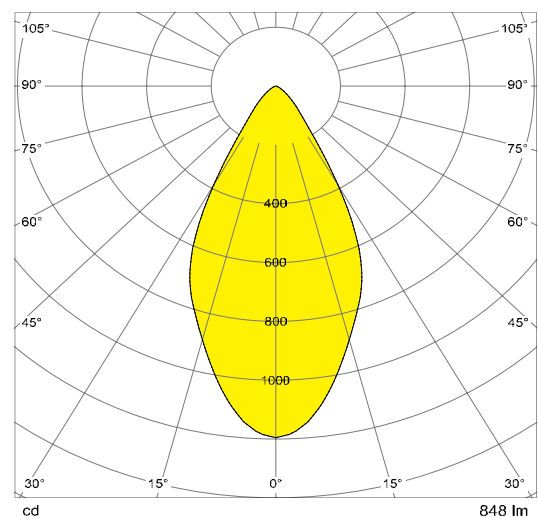
LINEAR FLOOR TWIN	
Product #	9237
Colours	01 black   02 white   23 aluminium
Dimensions	Height: 2.025 mm
	Radius: 100 mm – 930 mm
	Lamp base: 380 mm × 380 mm × 8 mm
Material	Aluminium, zinc, steel (lamp base), glass, plastic
Weight	12,5 kg
Energy efficiency	A++*
Protection type	IP 20
Protection class	III 
Illuminants	
LEDs	2 cold white & 2 warm white LEDs each (CREE)
Power consumption	25 W**
Luminous flux of luminaire:	neutral white 680 lm*
Light intensity	neutral white 566 cd*
Light intensity	1,000 lux at a height of 110 cm
Luminous efficiency	neutral white 73 lm/W*
Colour temperature (CCT)	2.700 K <-----> 6.500 K
Colour reproduction index	≥ 85
Operating temperature on lamp head	≤ 40°C at 25°C ambient temperature
Burning life	over 50,000 hours
Standby consumption	≤ 0,5 W
Nominal voltage	12 V DC
Protection class	II 
VITACORE®	
Operation	via VITACORE® electronics or app
Light strength setting	stepless up to 1,000 lux
Setting of light colour	stepless between 2,700 and 6,500 Kelvin
Switch Function	For separate operation of lamp heads
Touch panel	made of glass
Power supply unit	
Desktop power supply	Europlug & BS 1363 (British 3-pin) plug
AC cable length	1,2 m
DC cable length	1,8 m

\*with warm white and cold white LEDs switched on, touch panel switched off

\*\*with cold white LEDs switched on to 100%, touch panel switched off



LIGHT INTENSITY DISTRIBUTION



# RADIAL FLOOR TWIN

Great things can be achieved with collaboration and trends are pointing to an increase in this kind of workspace. RADIAL FLOOR TWIN gives exactly the right light for effective teamwork and illuminates two workplaces simultaneously. The separately adjustable and individually programmable lamp heads ensure that everyone gets the light they need at any time – biologically effective and at an ideal angle.

RADIAL FLOOR TWIN can be individually programmed via intelligent VITACORE® electronics. The brightness and colour of the light can be adjusted intuitively and with a high degree of accuracy simply by placing a finger on the touch panel. With only very low power consumption, CREE high-power LEDs generate illuminance levels of up to 1,000 lux at the desktop from a height of 110 cm. Two LEDs each generate cold white (bluish) or warm white (reddish) light. Through their joint operation a wide spectrum from 2,700 to 6,500 Kelvin is reached, which covers virtually the entire bandwidth of the natural spectrum of light.

The free VITACORE® app turns LUCTRA® into a flexible lighting tool: it allows setting of a 24-hour lighting sequence, which automatically varies the colour and intensity of light and thus simulates the natural lighting sequence in the course of the day.

Another advantage: The lamp heads can be separately controlled with the VITACORE® electronics.



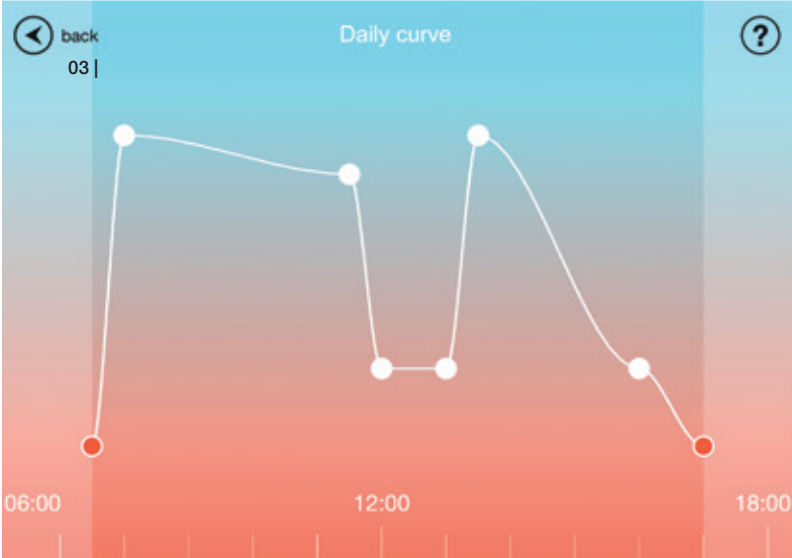
# RADIAL FLOOR TWIN FEATURES

01 |



- 01 | Perfect temperature management for a long service life of well over 50,000 hours for LEDs
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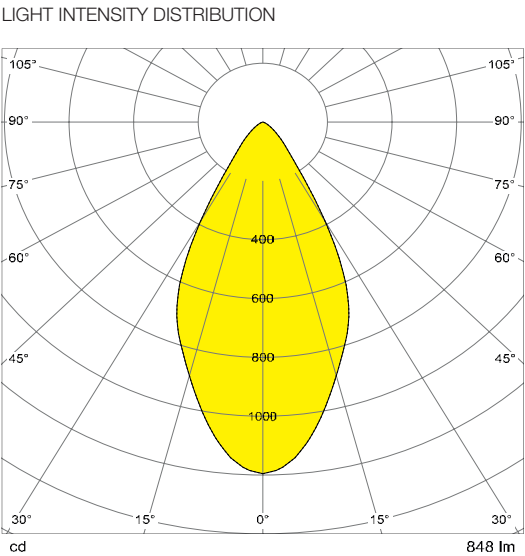
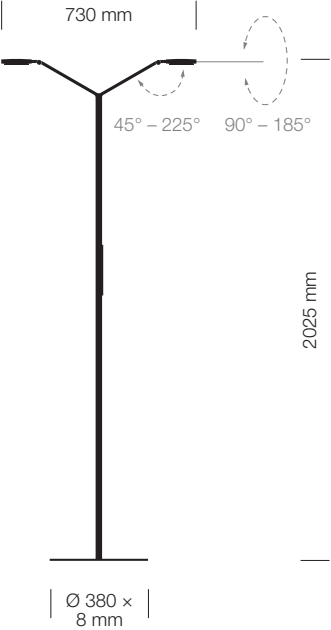


05 |



RADIAL FLOOR TWIN	
Product #	9238
Colours	01 black   02 white   23 aluminium
Dimensions	Height: 2.025 mm
	Radius: 100 mm – 730 mm
	Lamp base (Ø): 380 mm × 8 mm
Material	Aluminium, zinc, steel (lamp base), glass, plastic
Weight	12 kg
Energy efficiency	A++*
Protection type	IP 20
Protection class	III 
Illuminants	
LEDs	2 cold white & 2 warm white LEDs each (CREE)
Power consumption	25 W**
Luminous flux of luminaire:	neutral white 680 lm*
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Light strength setting	stepless up to 1,000 lux
Setting of light colour	stepless between 2,700 and 6,500 Kelvin
Switch Function	For separate operation of lamp heads
Touch panel	made of glass
Power supply unit	
Desktop power supply	Europlug & BS 1363 (British 3-pin) plug
AC cable length	1,2 m
DC cable length	1,8 m

\*with warm white and cold white LEDs switched on, touch panel switched off  
 \*\*with cold white LEDs switched on to 100%, touch panel switched off



# LINEAR FLOOR

For those who like a minimalistic approach to their work space, LUCTRA® floor lamps can offer the ideal solution. Offering the same premium LED technology and individual light setting functions, LUCTRA® floor lamps provide direct and indirect lighting to ensure all users get the right biologically effective light. The LINEAR FLOOR floor lamp illuminates every workplace from a maximum height of 1.90 metres with the same, perfectly even light as all other LUCTRA® models.

LINEAR FLOOR can be individually programmed via intelligent VITACORE® electronics. The brightness and colour of the light can be adjusted intuitively and with a high degree of accuracy simply by placing a finger on the touch panel. With only very low power consumption, CREE high-power LEDs generate illuminosity levels of up to 1,000 lux at the desktop from a height of 75 cm.

Two LEDs each generate cold white (bluish) or warm white (reddish) light. Through their joint operation a wide spectrum from 2,700 to 6,500 Kelvin is reached, which covers virtually the entire bandwidth of the natural spectrum of light. The free VITACORE® app turns LUCTRA® into a flexible lighting tool: it allows setting of a 24-hour lighting sequence, which automatically varies the colour and intensity of light and therefore simulates the natural lighting sequence through the course of the day. In exceptional situations, when you need bright daylight really fast, the boost function will provide maximum light intensity for a short period.

Another advantage: two integrated USB charging ports enable smartphones and tablet PCs to be charged directly on the lamp.



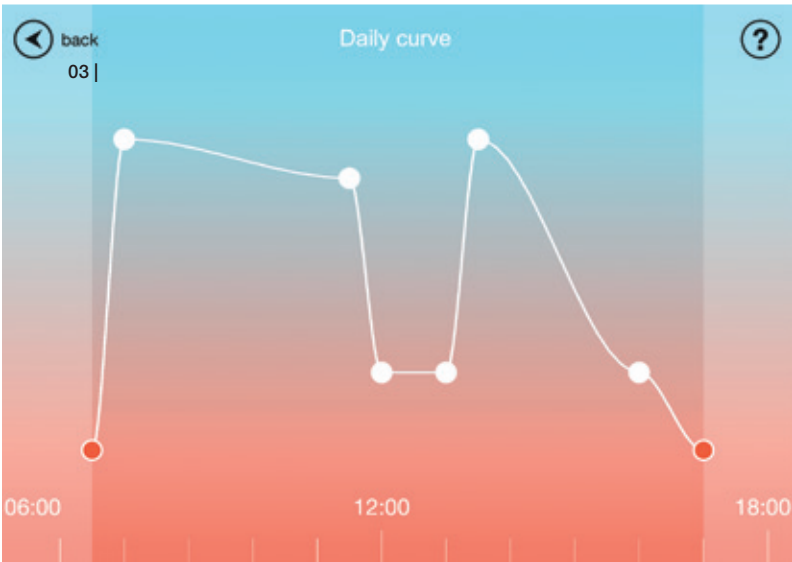
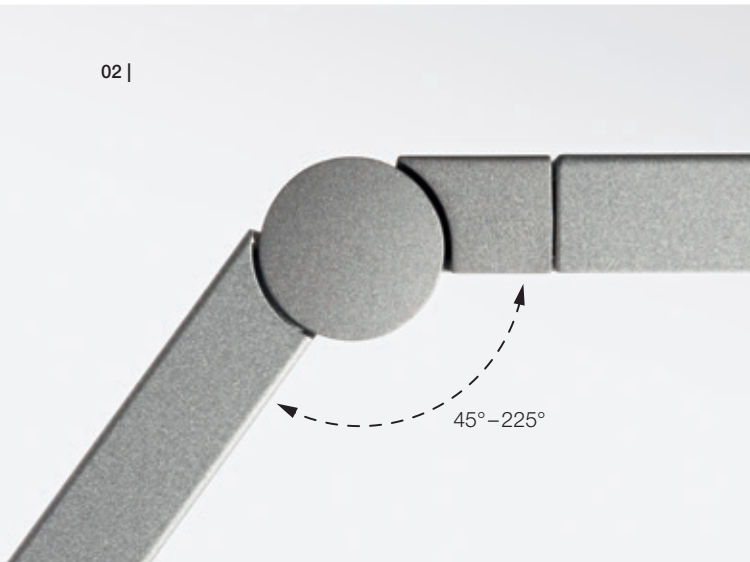
# LINEAR FLOOR FEATURES

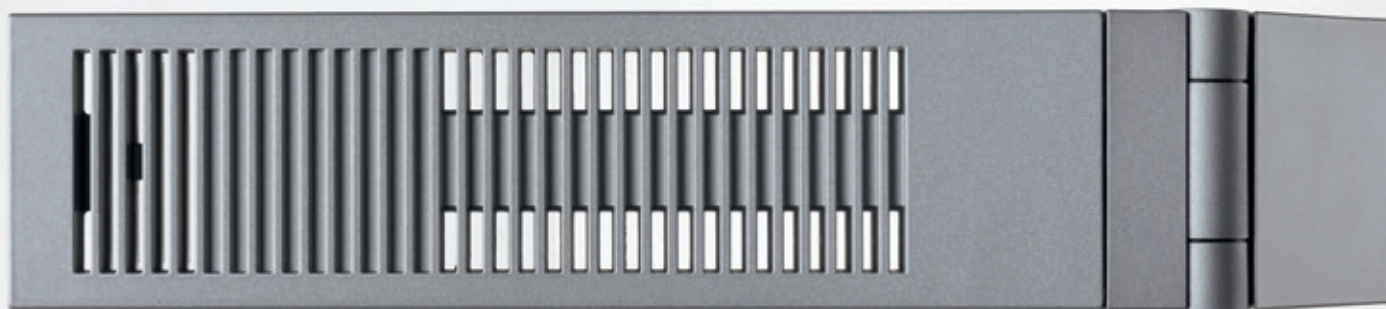
01 |



- 01 | Colour temperature adjustable from 2,700 to 6,500 Kelvin, boost function for short-term maximum activation, USB charging feature for smartphones and tablets
- 02 | Self-locking joints
- 03 | Adjustment of colour temperature to personal daily rhythm with VITACORE® app
- 04 | Perfect temperature management for a long service life of well over 50,000 hours for LEDs
- 05 | Two warm-white and two cold-white CREE high-power LEDs, high light illuminance of 1,000 lux at a height of 110 cm above the table surface, narrow tolerance binnings for high colour fidelity, high colour rendition with CRI  $\geq 85$

02 |





04 |

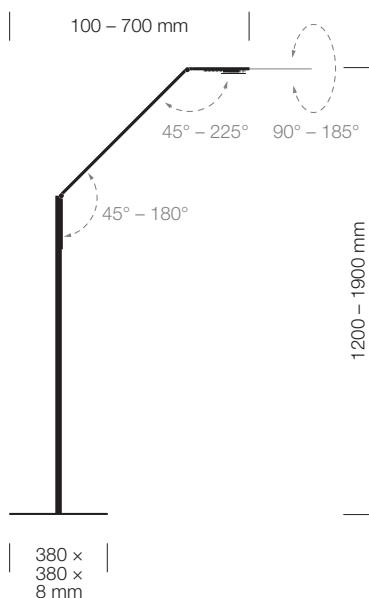


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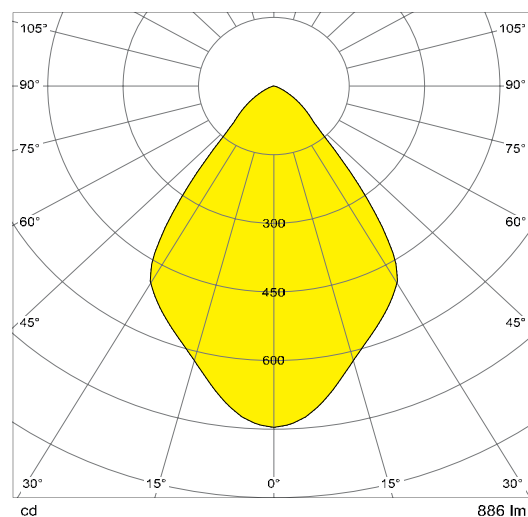


LINEAR FLOOR		
Product #	9235	
Colours	01 black   02 white   23 aluminium	
Dimensions	Height:	1.200 mm – 1.900 mm
	Radius:	100 mm – 700 mm
	Lamp base:	380 mm × 380 mm × 8 mm
Material	Aluminium, zinc, steel (lamp base), glass, plastic	
Weight	11,5 kg	
Energy efficiency	A++*	
Protection type	IP 20	
Protection class	III ⚡	
Illuminants		
LEDs	2 cold white & 2 warm white LEDs (CREE)	
Power consumption	10,5 W**	
Luminous flux of luminaire:	neutral white 680 lm*   Boost 900 lm**	
Light intensity	neutral white 566 cd*   Boost 746 cd**	
Light intensity	1,000 lux at a height of 110 cm	
Luminous efficiency	neutral white 73 lm/W*   Boost 75 lm/W**	
Colour temperature (CCT)	2.700 K <-----> 6.500 K	
Colour reproduction index	≥ 85	
Operating temperature on lamp head	≤ 40°C at 25°C ambient temperature	
Burning life	over 50,000 hours	
Standby consumption	≤ 0,5 W	
Nominal voltage	12 V DC	
Protection class	II ☐	
VITACORE®		
Operation	via VITACORE® electronics or app	
Light strength setting	stepless up to 1,000 lux	
Setting of light colour	stepless between 2,700 and 6,500 Kelvin	
Boost function	for maximal cold white lighting at 1,000 lux	
USB charging ports	2 ports	
Touch panel	made of glass	
Power supply unit		
Desktop power supply	Europlug & BS 1363 (British 3-pin) plug	
AC cable length	1,2 m	
DC cable length	1,8 m	

\*with warm white and cold white LEDs switched on, touch panel switched off, USB charging ports not being used  
 \*\*with cold white LEDs switched on to 100%, touch panel switched off, USB charging ports not being used



LIGHT INTENSITY DISTRIBUTION



# RADIAL FLOOR

Unobtrusive design, intelligent technology and premium-quality materials at a maximum height of 1.90 metres: RADIAL FLOOR is an attractive addition to any workplace and anyone using this lamp next to their workspace will feel the benefits of its lighting quality. The VITACORE® touch panel becomes visible only when needed and personalised lighting sequences are easy to programme, which makes the sleek design of RADIAL FLOOR a great addition to any office.

RADIAL FLOOR can be individually programmed via intelligent VITACORE® electronics.

The brightness and colour of the light can be adjusted intuitively and with a high degree of accuracy simply by placing a finger on the touch panel. With only very low power consumption, CREE high-power LEDs generate illuminosity levels of up to 1,000 lux at the desktop from a height of 75 cm. Two LEDs each generate cold white (bluish) or warm white (reddish) light.

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Another advantage: two integrated USB charging ports enable smartphones and tablet PCs to be charged directly on the lamp.



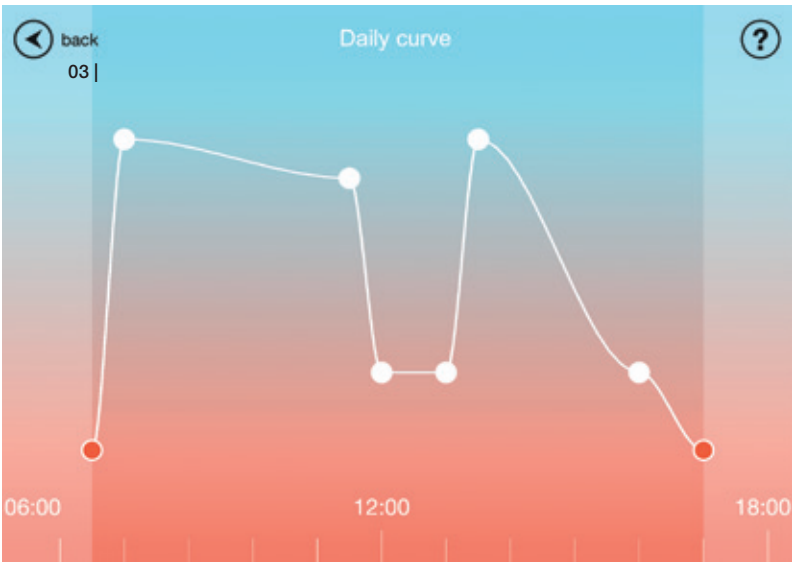
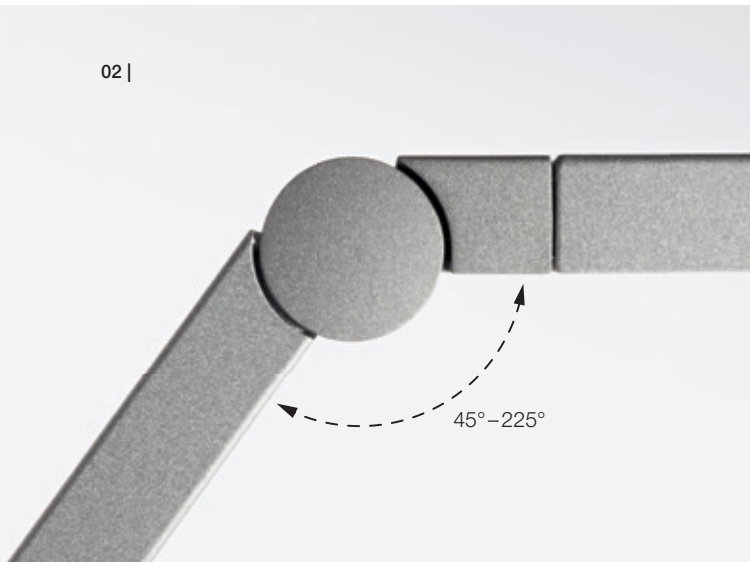
# RADIAL FLOOR FEATURES

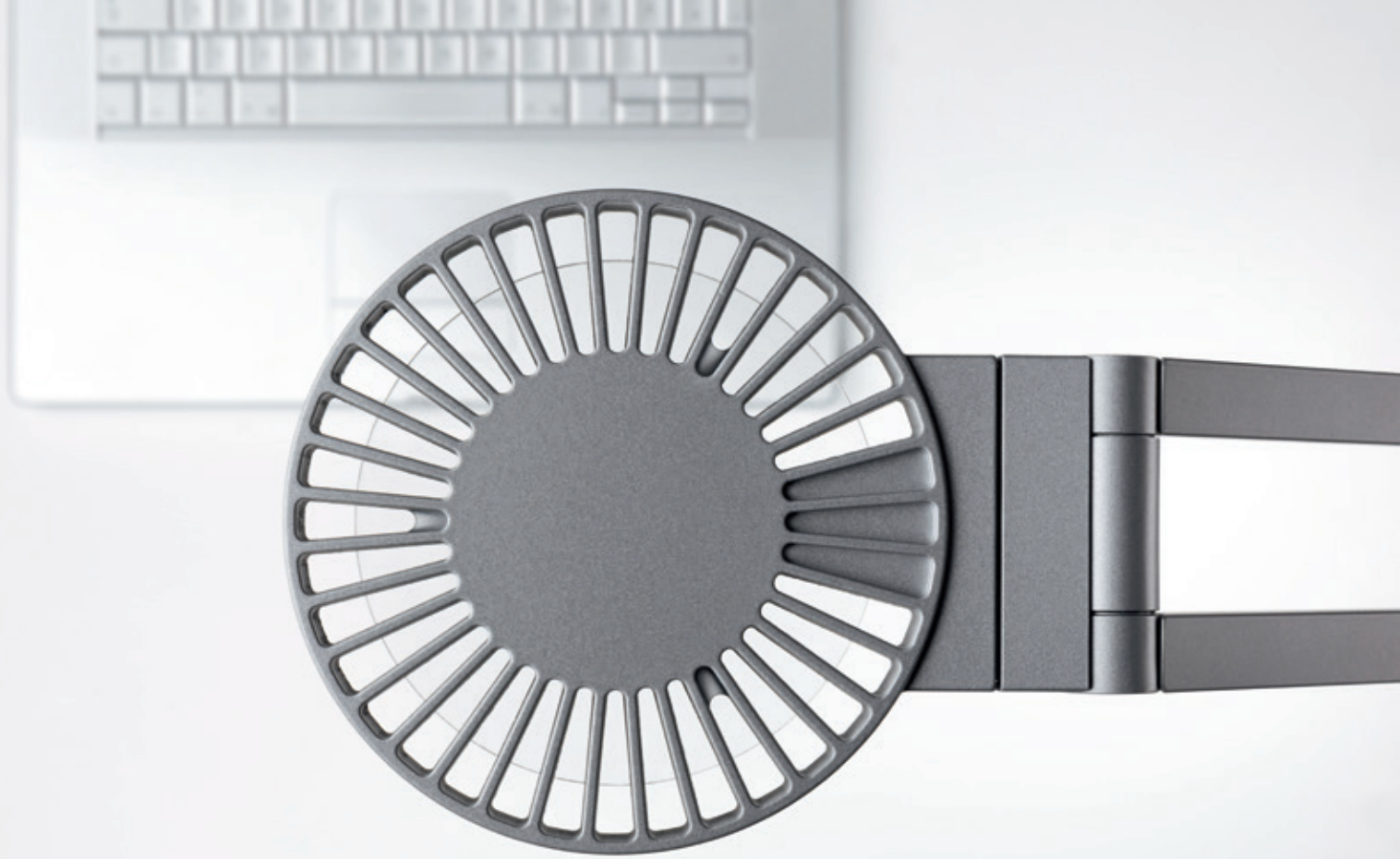
01 |



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- 02 | Self-locking joints
- 03 | Adjustment of colour temperature to personal daily rhythm with VITACORE® app
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02 |





04 |

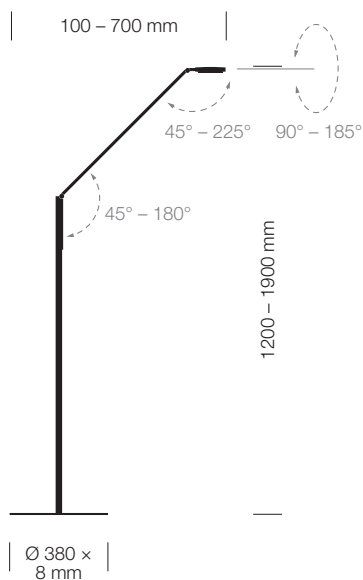


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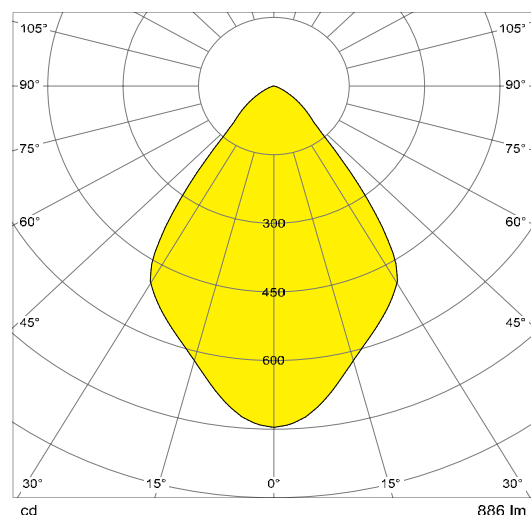


RADIAL FLOOR	
Product #	9236
Colours	01 black   02 white   23 aluminium
Dimensions	Height: 1.200 mm – 1.900 mm
	Radius: 100 mm – 700 mm
	Lamp base (Ø): 380 mm x 8 mm
Material	Aluminium, zinc, steel (lamp base), glass, plastic
Weight	11 kg
Energy efficiency	A++*
Protection type	IP 20
Protection class	III ⚡
Illuminants	
LEDs	2 cold white & 2 warm white LEDs (CREE)
Power consumption	10,5 W**
Luminous flux of luminaire:	neutral white 680 lm*   Boost 900 lm**
Light intensity	neutral white 566 cd*   Boost 746 cd**
Light intensity	1,000 lux at a height of 110 cm
Luminous efficiency	neutral white 73 lm/W*   Boost 75 lm/W**
Colour temperature (CCT)	2.700 K <-----> 6.500 K
Colour reproduction index	≥ 85
Operating temperature on lamp head	≤ 40°C at 25°C ambient temperature
Burning life	over 50,000 hours
Standby consumption	≤ 0,5 W
Nominal voltage	12 V DC
Protection class	II ☐
VITACORE®	
Operation	via VITACORE® electronics or app
Light strength setting	stepless up to 1,000 lux
Setting of light colour	stepless between 2,700 and 6,500 Kelvin
Boost function	for maximal cold white lighting at 1,000 lux
USB charging ports	2 ports
Touch panel	made of glass
Power supply unit	
Desktop power supply	Europlug & BS 1363 (British 3-pin) plug
AC cable length	1,2 m
DC cable length	1,8 m

\*with warm white and cold white LEDs switched on, touch panel switched off, USB charging ports not being used  
 \*\*with cold white LEDs switched on to 100%, touch panel switched off, USB charging ports not being used

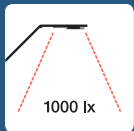


LIGHT INTENSITY DISTRIBUTION



# LUCTRA® FEATURES

## THE LIGHT



High illuminance of 1,000 lux at 110 cm height above desk top.



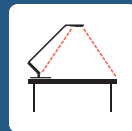
4 high power LEDs warm white and cold white.



Perfect heat management for long lasting durability.



Enhanced wellbeing through Human Centric Lighting.



Even workplace illumination.



High Colour Rendering Index  $\geq 85$ .



Fine binnings for maximum colour fidelity.

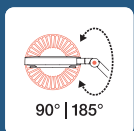


Premium LEDs from CREE.

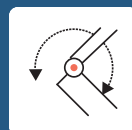
## THE MECHANICS



Premium lamp using high quality craftsmanship - Made in Germany.



Swivel heads for direct and indirect illumination.



Self locking hinges.



Perfect heat management for long lasting durability.

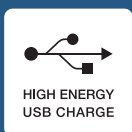
# THE ELECTRONICS



Colour temperature adjustable to personal circadian rhythm via VITACORE® app.

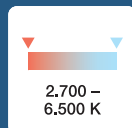


Adjustable colour temperature from 2,700 up to 6,500 K by intelligent VITACORE® electronic.



HIGH ENERGY  
USB CHARGE

USB charging for smartphones and tablets.



Adjustable colour temperature from 2,700 up to 6,500 K.



No flickering due to high frequency PDM dimming.

PWM | PDM

## FREE SERVICE HOTLINE

Do you have questions or suggestions?

The LUCTRA® team can be reached at the free service hotline 00800 00582872\*

\*from most European countries. Alternatively please dial: +49 2371 662445

# CONTACT

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luctra@luctra.fr · www.luctra.fr

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