


Freedom

FAGERHULT | art of light

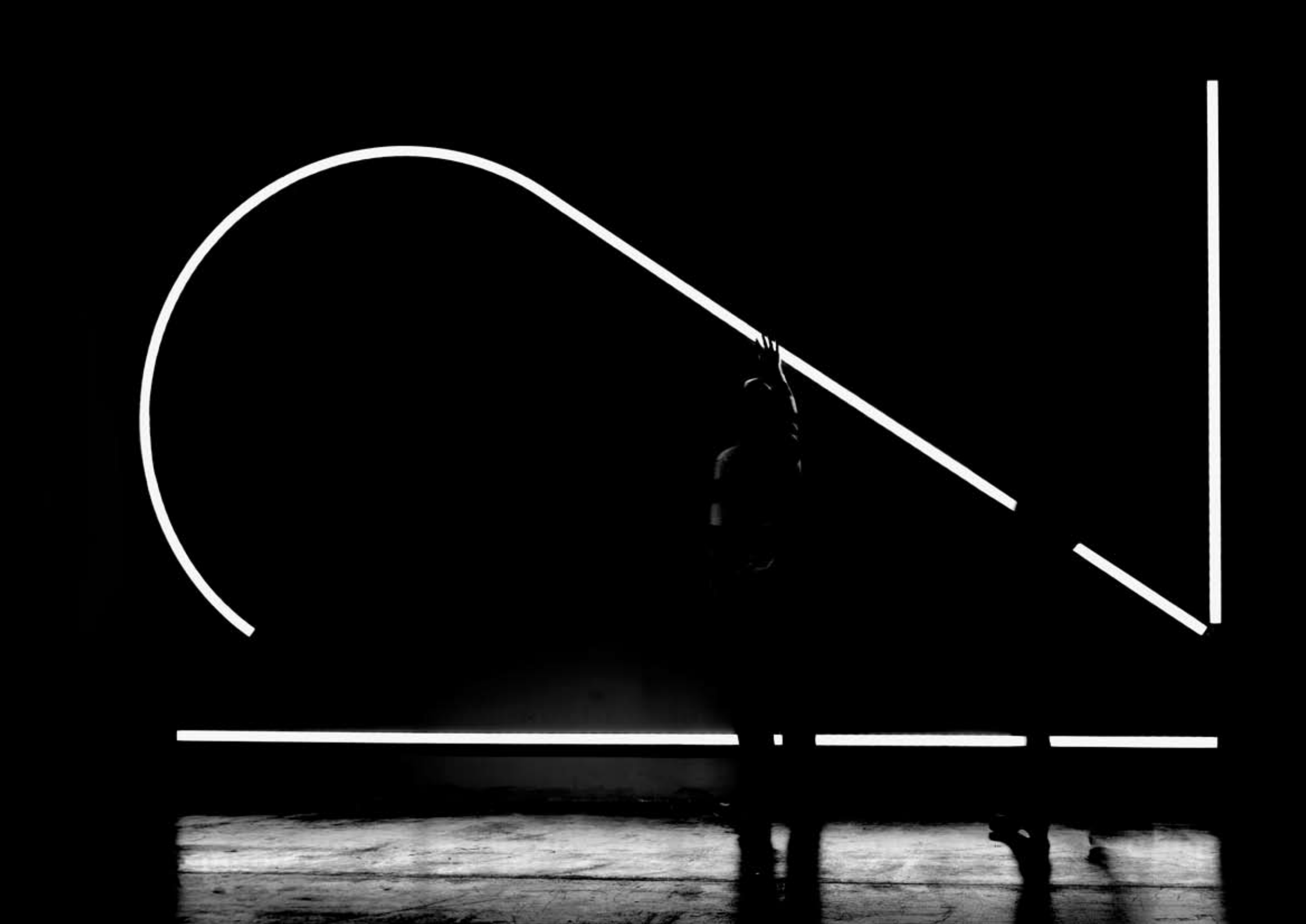


Open your eyes.

Architecture comes alive with light; without it the walls, depth, lines and context of a space disappears. Daylight is an obvious starting point when putting pen to paper, and when daylight ends, that's when artificial light takes over. But what happens then? The development of artificial light has always been dependent on technical restrictions, with the most creative of approaches still operating within these limitations. Lighting, like many other elements of a building, is selected out of a catalogue. From pendants through to downlights and recessed modules, luminaires are nearly always shaped by a light source appropriate for general lighting which closely mirrors daylight. The alternative is to hide the naked source behind panels and mouldings. Traditionally it's been virtually impossible to offer the liberty to design with light – thanks to LED technology that's about to change.

Freedom is the luminaire which offers architects, designers and lighting technicians a true freedom of expression; to take hold of the pen and create their own line of light.

Draw your own line of light



The foundations of creativity

The number twelve is the basic principle for many human measuring systems. The first mathematics were based on the number twelve and we still divide days, hours and years into units of twelve. Also in architecture, the mathematical duodecimal system has left many traces behind; the number twelve divided or multiplied creates harmonic proportions in a room. Twelve is the number of creativity. That's why it's the basis for Freedom.



"Ottoman decor, red wine and classical music were the very first inspiration for Freedom. The design process began with an idea for a big, black, floating circle of LEDs, but evolved into a literal free line, based on the mathematical duodecimal system. Together with Fagerhult's development skills, we managed to realise the concept. It took faith, time, trust and innovative collaboration – the result serves architecture, light and the creator in an entirely new way."

Julle Oksanen, professor and Weikko Kotila, architect.

"It's unbelievably difficult to make a luminaire as simple as Freedom. We had the idea for a super slim luminaire cover in aluminium, bent along a particular radius. We envisaged tens of meters of long, flowing lines of light without distracting cabling and fittings. And we managed it all; the minimalist luminaire casing, power for up to six luminaires and cable suspension which can support many luminaires. Something like this requires cooperation and new thinking beyond the ordinary."

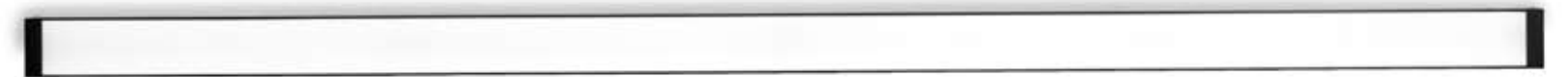


Play with the light

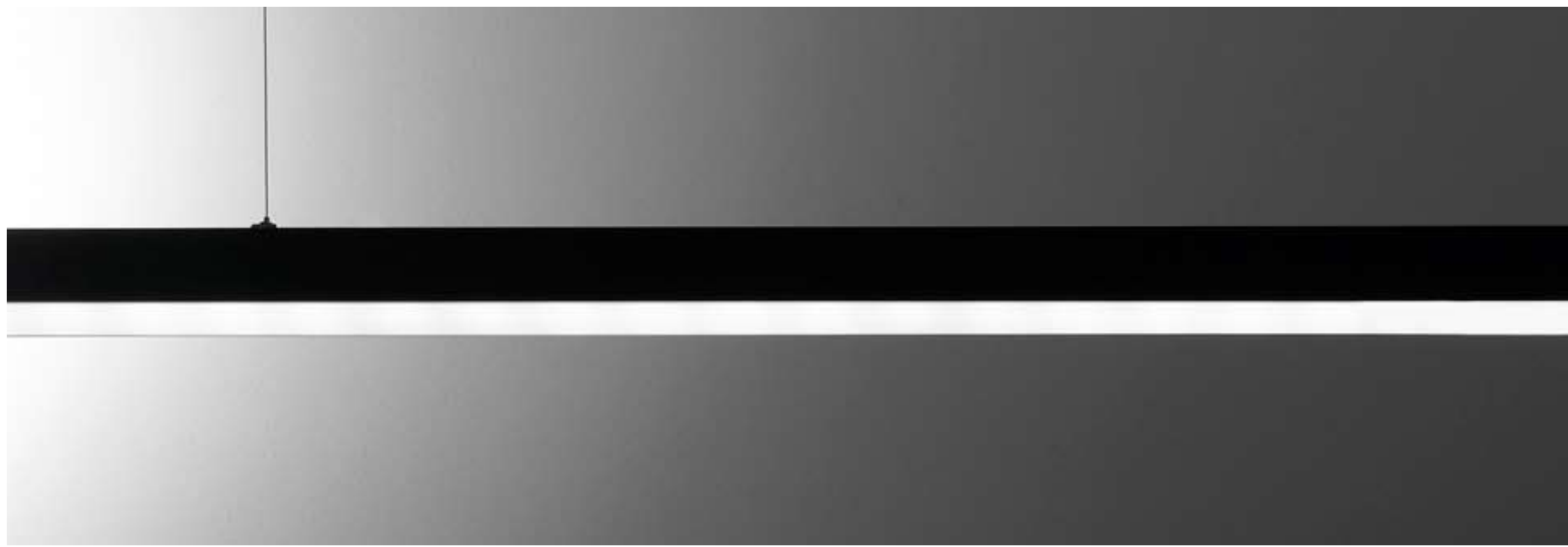
Freedom differs from all other luminaires because you design it. Two modules, both based on the number twelve, offer the scope to develop your own ideas. The straight module measures 1200 mm. The curved module, a complete circle divided into 6 components, also measures 1200 mm and has a radius of 1200 mm. Straight or curved, linear or cylindrical, playful or strict – space is your only limit.



Curved module, luminaire casing in black anodised aluminium measuring 1200 mm.



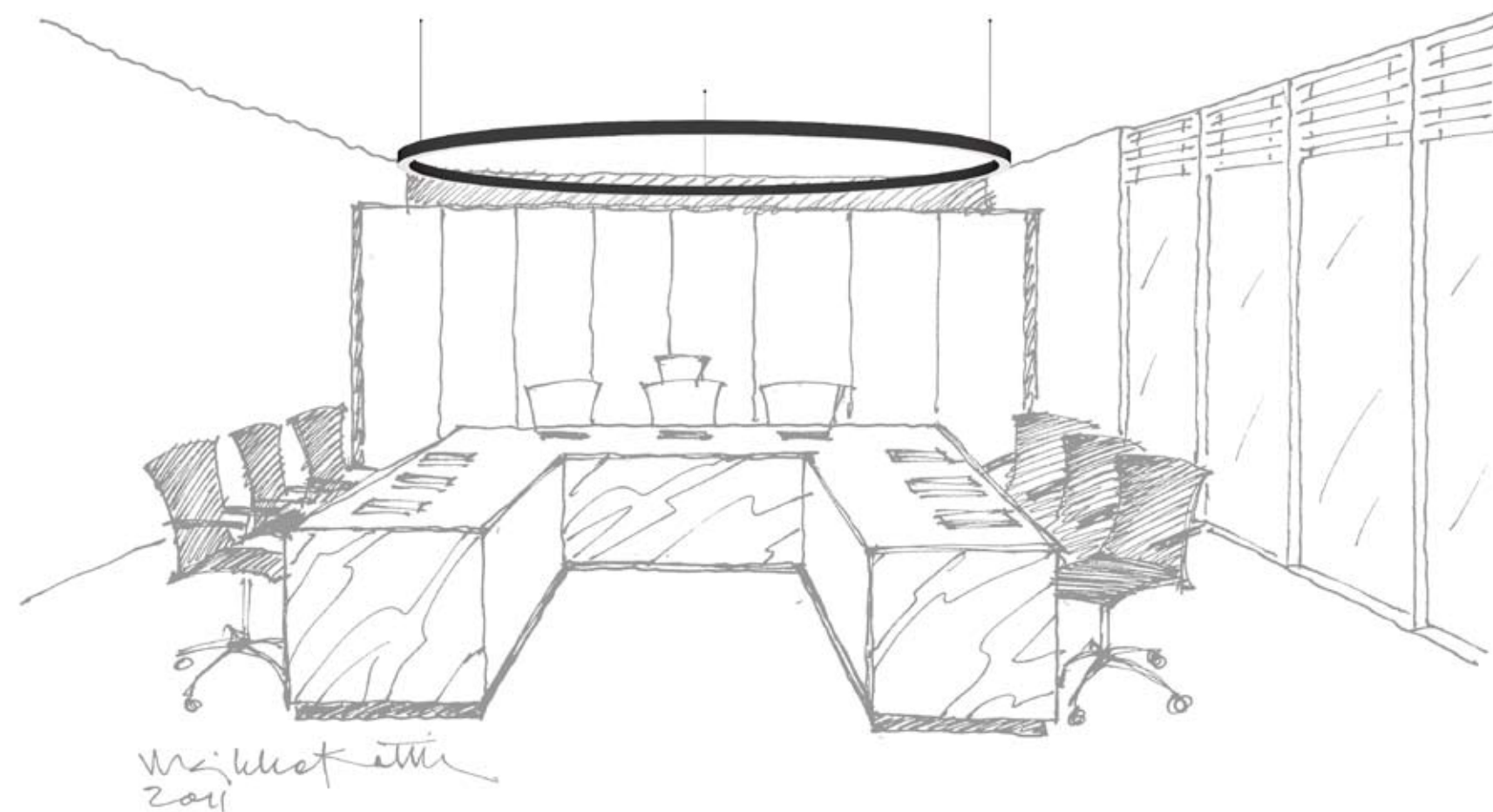
Straight module, luminaire casing in black anodised aluminium measuring 1200 mm.

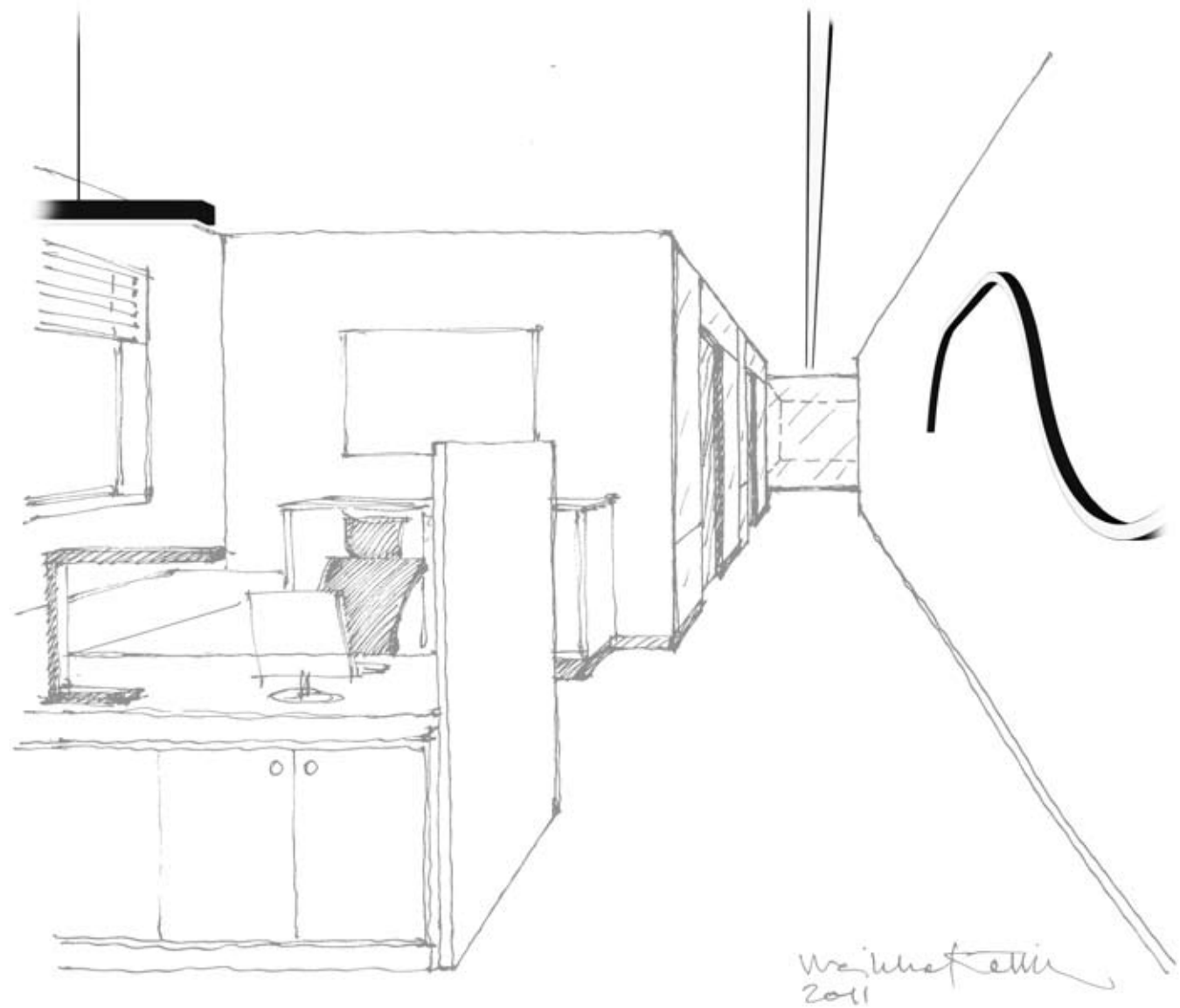




In the air

Freedom suspension is available with two different light distributions, a combination of direct and indirect light or direct only – what you select depends on the experience you want to create. Direct/indirect provides a more varied light setting which creates a comfortable luminance on the ceiling. The direct light distribution provides a sharper contrast. Regardless of which you choose, the feeling is the same; light that flows.



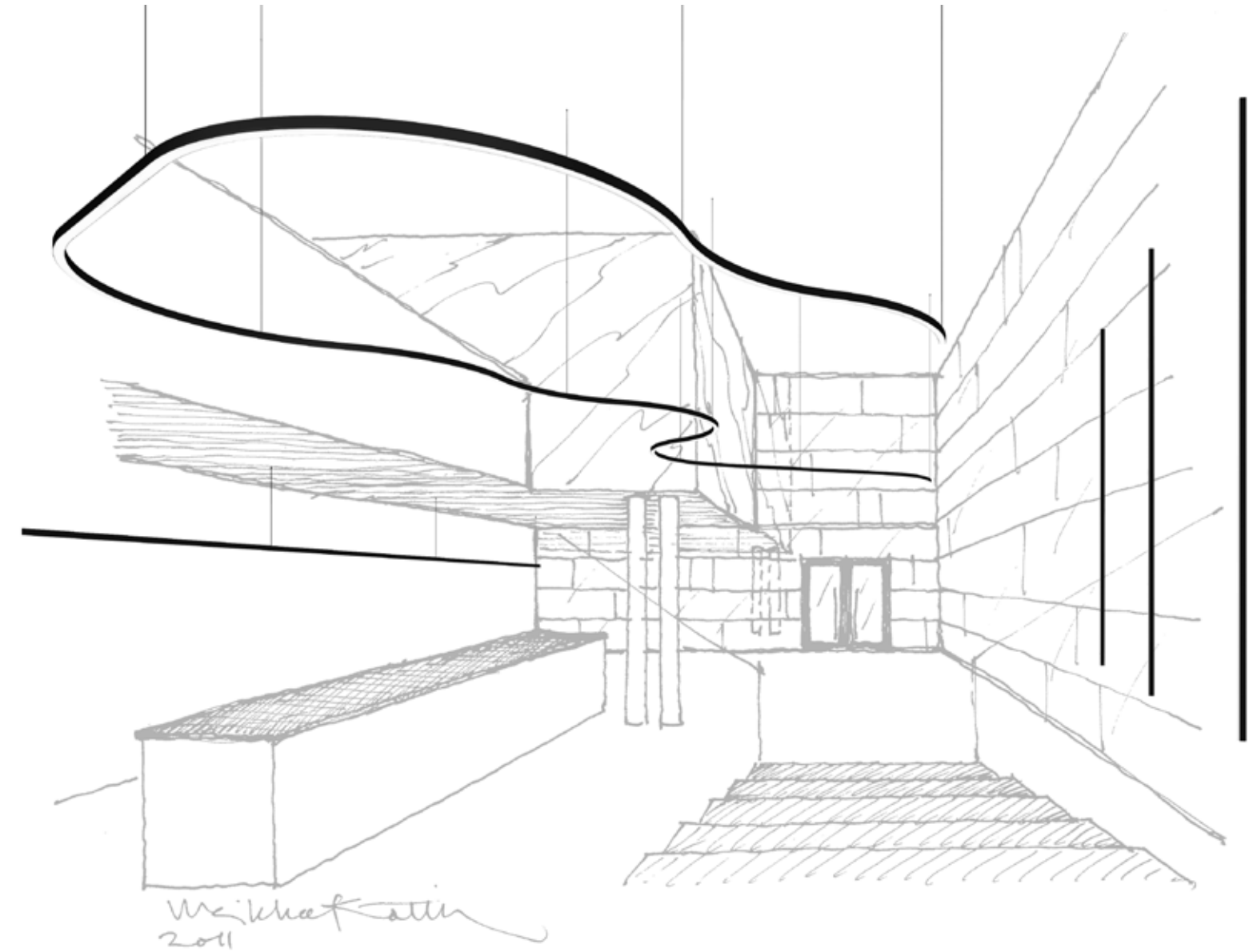


In the ceiling

Freedom ceiling produces a direct only light with the luminaire casing mounted against a suspended ceiling. The appearance of the technical solution is masked by the output – all the viewer sees is a striking ray of light – which can be further accentuated by the colour of the ceiling. A new way of ceiling painting.

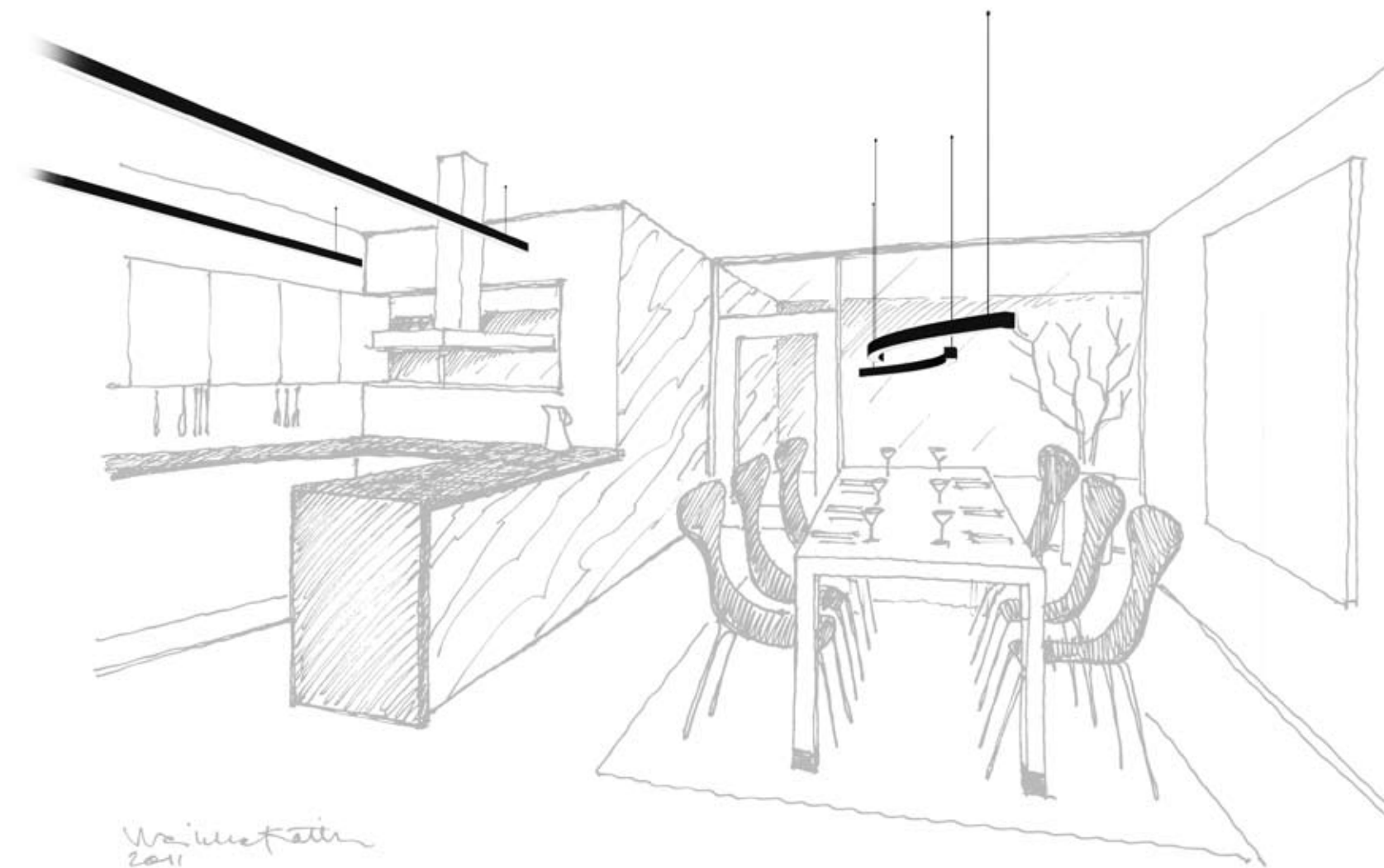
On the wall

Freedom wall has a direct light distribution and is mounted with a light opening out towards the room. Draw horizontal or vertical lines of light on the wall at an optional height; the model has a specially developed, diffusing louvre which creates a comfortable and glare-free light. One way to create contrast and awaken the senses.



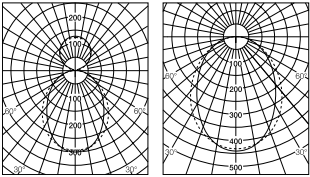
Not daylight but almost

Freedom is not primarily a decorative solution. The ready to use luminaire provides sufficient general lighting that doesn't require any complements. LED is the key to design freedom but also places great demand on lighting technology. By combining an innovative internal reflector with an opal louvre, we have managed to create a comfortable experience without any sharp or blinding spots. The light flows.





Freedom pendant and ceiling



40 W LED, 1216 lm 32 W LED, 828 lm



A sharp contrast at the intersection between profile and diffuser produces clear lines. Here shown ceiling mounted.



Suspended direct/indirect luminaire incl. dust and contact protection.

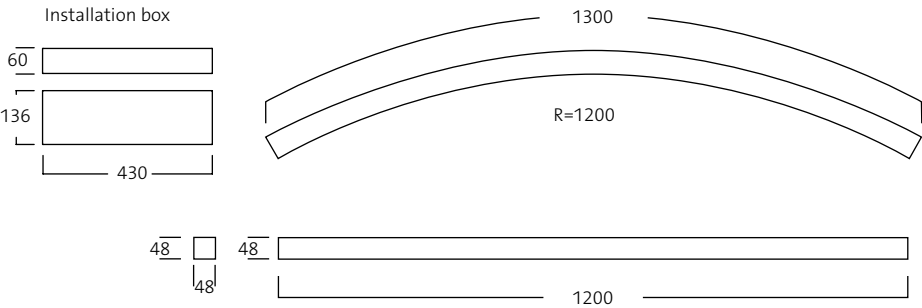
Luminaire					
LED module, W, V		lm	lm/W	kg	
40, 24	Straight, direct/indirect, pendent	1216	30	1.5	16901
32, 24	Straight, direct light, pendent, ceiling	828	26	1.4	16902
40, 24	Curved, direct/indirect, pendent	1216	30	1.6	16903
32, 24	Curved, direct light, pendent, ceiling	828	26	1.5	16904
<i>For current information on output and luminous flux, see www.fagerhult.com.</i>					
<i>Information LED luminaire</i>					
<i>Colour temp. (CCT)</i>		<i>Ra (CRI)</i>	<i>Life span</i>	<i>Colour quality</i>	
4000 K		≥ 80	<i>L_m</i> 50.000 h	MacAdam 5 SDCM	
Accessories					
LED ballasts 300 W/24 V fitted in the installation box. Max. 6 luminaires.					98011
2 x wire and wire bracket for pendent installation					94021
2 x caps					94022
Continuous coupler bracket, light trap, cable for continuous installation					94023
4 m power cable connection 2 x conductors					94024
4 m power cable connection 4 x conductors					94025

Installation
Designed for single or continuous installation via a wire pendant or alternatively surface mounted via two securing holes in the profile. (Wire pendant, caps and coupler brackets are ordered separately).

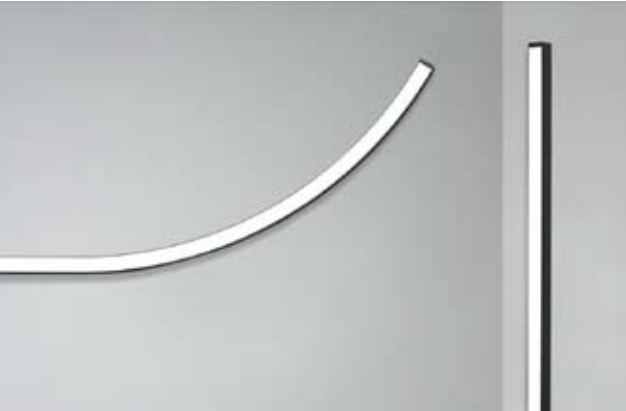
Connection
A power cable in one end is connected to the luminaire, the other is connected to a box containing LED ballasts and snap-in terminal block. Connect together for longer lengths. (The box with LED ballasts and snap-in terminal box are ordered separately).

Design
Luminaire body in black anodised aluminium. Diffusers made from opal polyester, reflectors made from highly reflective polyester, caps made from black ABS plastic. Transparent power cable. Installation box in white enamelled sheet-metal.

Dimming
Available on request.



Freedom wall



Luminaire				
LED module, W, V		lm	lm/W	kg
32, 24	Straight luminaire	800	25	1.4
32, 24	Curved luminaire	800	25	1.5
För aktuell information om effekt och ljusflöde, se www.fagerhult.se .				
Information LED luminaire				
Colour temp. (CCT)	Ra (CRI)	Life span	Colour quality	
4000 K	≥ 80	L ₇₀ 50.000 h	MacAdam 5 SDCM	
Accessories				
LED ballasts 300 W/24 V fitted in the installation box. Max. 6 luminaires.				98011
2 x caps				94022
Continuous coupler bracket, light trap, cable for continuous installation				94023
4 m power cable connection 2 x conductors				94024
4 m power cable connection 4 x conductors				94025

Installation
Designed for single or continuous wall installation. Mounted on the wall via two securing holes in the profile. (Caps and coupler brackets are ordered separately).

Connection
A power cable in one end is connected to the luminaire, the other is connected to a box containing LED ballasts and snap-in terminal block. Connect together for longer lengths. (The box with LED ballasts and snap-in terminal box are ordered separately).

Design
Luminaire body in black anodised aluminium. Diffusers made from opal polyester, reflectors made from highly reflective polyester, caps made from black ABS plastic. Transparent power cable. Installation box in white enamelled sheet-metal.

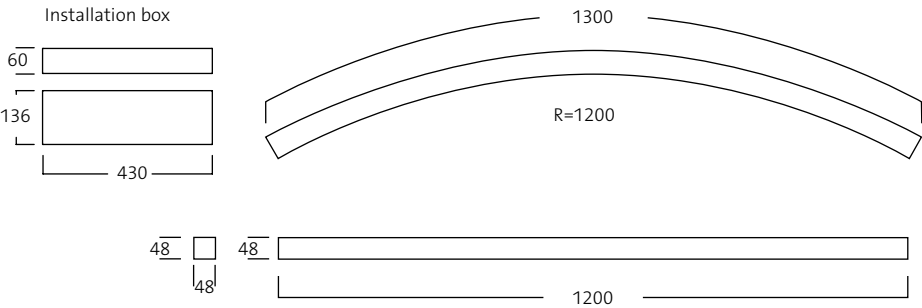
Dimming
Available on request.




Luminaire is mounted on wall without accessories.



Unbroken bright line at the continuous installation.





Light is the starting point for many art forms. Light forms the basis for film, photography and painting. It not only gives people a sense of physical and mental well-being but also creates the visual environment for aesthetic experiences. Light is an inspiration behind artistic creativity, our perception and appreciation; something that has been explored but not always defined.

For us at Fagerhult the art of light is grounded in an exact science. Something that can be measured quantified and controlled. Our lighting technology is used to create functional, comfortable, energy efficient light. This expertise allows us to push the boundaries and use light as the raw material for a very personal form of expression. Make innovation to art. The Art of Light.

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