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The Art of Open Box

**FAGERHULT**

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## Fagerhult The Art of Light

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. The Art of Light.

## Space and Light

Space is a precious commodity. It can determine how we perceive our environment, how we compare between shapes and sizes. Space is not always easy to find and when limited we can feel restricted, limiting what we can do and how we express ourselves.

So what happens if we view light in the same way? By separating the light, yet having it still work in unison, do we get the same affect? Instead of enclosing the light sources in a common housing, our design aims to accentuate the space between them. The result is 'Open Box', a luminaire that creates a new coherence, at the same time drawing some attention away from the light sources whilst still allowing freedom of expression through light.

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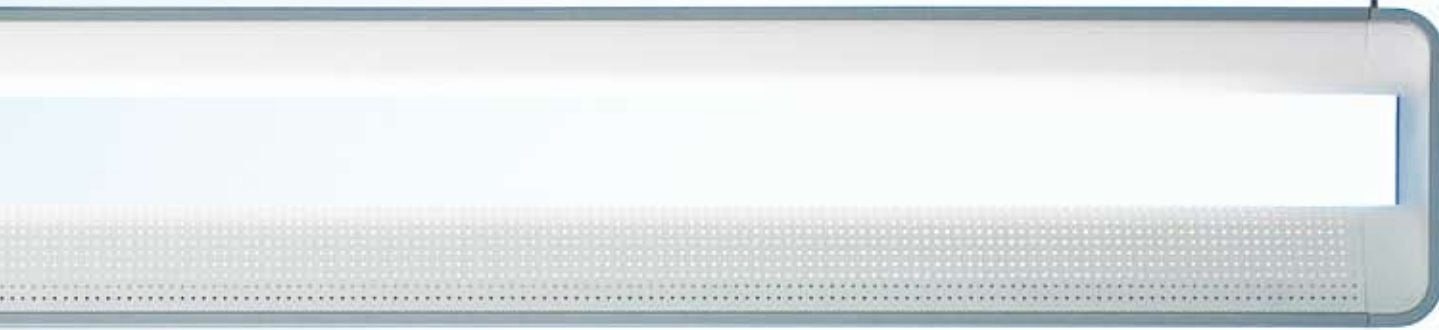


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## Graphic Pattern

There are good and bad contrasts. The bad disturbs the eyes and obstructs the experience while the good creates calm, harmony and homogeneity. Open box is a classical combination of direct and indirect light. The indirect light creates a gradual transition to the darker ceiling; while the direct light casts its focus on the work you have in-front of you. Yet by no means does it lack dimensions.

In order to utilise the luminaire's inner space we have perforated the lower long side. The light forces its way through as small elements and illuminates the whole of the inner space. Depending on the chosen louvre, graphic patterns are created with different brightness. A further contrast is the body which emphasizes the design – the open and the enclosed. The strength of the contrast is determined by the colour you choose: grey or black. You have the view. Frame it!



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”We wanted to create an impression of air and lightness. A luminaire can easily be perceived as enclosed and heavy – as a lump suspended from the ceiling. The first step was to open the box...”

Casper Asmussen, Gustav Nord and Filip Sauer,  
designers, Propeller AB

”In all honesty we started the design process by abandoning it. We have worked from a product perspective and since we tackle many different product categories the solutions frequently cross-fertilize each other. It is then easier to question established attitudes and “attack” from a different angle. For example, luminaire design is quite often focused on the ends – we chose to give the long sides character instead, as it is these you usually encounter. We wanted to describe the shape of the luminaire with light, and the onlooker should not have to think too much about where it comes from. You should only see the consequences, not the technical solution. and I think we have succeeded with that. Many people are bewildered, and wonder where we have hidden the light sources; how the luminaire can be lit up from within and on all sides at the same time. It is a small illusion.”



**reddot design award**  
winner 2007 – best of the best

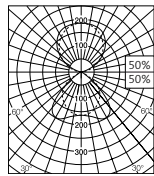


## Manufacturing an Idea

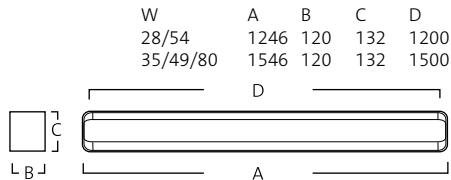
Good lighting is not just a question of good ideas, you also need to be a master craftsman. Open Box is no small, delicate luminaire. It just looks that way. The key is a combination of cast aluminium or metal ends and long sides of extruded aluminium: the transition between the materials is, virtually, invisible.

Open Box is available in two different lengths, depending on the conditions in the room; 1200 mm and 1500 mm. The luminaire can be equipped with two types of louvre. The active Beta louvre conforms to the requirements in EN 12464-1 and is perfect for large areas with open planning where the risk of glare is high. The unobtrusive Lamell louvre works well in smaller rooms and above individual workplaces. Open Box can be equipped with intelligent light control in the form of Fagerhult's e-Sense system. Separate sensors in the luminaires mean that each unit can think for itself.

## Open Box



Beta



Luminaire		Alugrey	Black
FDH	kg		
<b>Beta</b>			
1x28+1x28	5.5	19940-17	19930-17
1x35+1x35	6.7	19942-17	19932-17
1x49+1x49	6.7	19943-17	19933-17
1x54+1x54	5.5	19941-17	19931-17
1x80+1x80	6.7	19944-17	19934-17
<b>Lamell</b>			
1x28+1x28	5.5	19960-17	19950-17
1x35+1x35	6.7	19962-17	19952-17
1x49+1x49	6.7	19963-17	19953-17
1x54+1x54	5.5	19961-17	19951-17
1x80+1x80	6.7	19964-17	19954-17

Open Box can also be supplied without pull switch.

### Installation

Wire pendant (single wire). Friction wire lock included with the luminaire. The luminaire is supplied in a balanced design for single wires.

### Connection

The luminaire is equipped with 2.4 m fabric covered connection cable (3x1 mm<sup>2</sup>) and for dimming with external control 5x1 mm<sup>2</sup>.

### Design

Body of aluminium and sheet steel. Luminaire's outside is enamelled in alu-grey (RAL 9006 structured) or black matt (NCS 9000 N) and inside in white (RAL 9016 structured). Transparent acrylic diffuser on top of the luminaire.

### Louvre

*Lamell* – cross blade louvre of enamelled sheet steel. Surface and colour in adapted alu-grey nuance with structured finish.

*Beta* – double parabolic reflector louvre with side and cross blades of satin matt, metalised aluminium with excellent reflection characteristics (>92 %), integrated into a single unit.

### Reflector

Reflector of metalised aluminium; giving a wide indirect light distribution.

### Dimming

As standard Open Box is fitted with a pull switch, but can be supplied without pull switch to order. Some models are available with other ballasts for dimming, and equipped with Fagerhult's light control system – e-Sense.

### Miscellaneous

The luminaire is supplied with wire suspension



Pull switches are placed at the same end as the mains cable. For aesthetical reasons both use the same hole.



Open Box is supplied with an attractive wire suspension that is suitable for both one piece ceilings and ceilings with T-bars.

Fagerhult Professional – a business sector within the Fagerhult Group. Fagerhult Professional develops, manufactures and markets professional lighting systems for public environments such as offices, schools, industries and hospitals.

In Sweden we have a nationwide network of sales offices and showrooms. Internationally we are represented with our own sales companies in Norway, Denmark, Finland, Poland, Estonia, Russia, Ireland, the Netherlands, United Kingdom, Spain, France, Germany, Austria, China, Dubai and Australia.

The Fagerhult group, with approximately 1,800 employees, is the largest lighting group in the Nordic regions and a leading force in Europe. Operations also include business divisions for retail, outdoor and domestic lighting

Our group has manufacturing plants in Sweden, UK, Australia and China. The parent company AB Fagerhult is listed on the Nordic exchanges Mid Cap-list.

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