

INNOVATIONS

Light+Building 2018



FAGERHULT

Made In Sweden

The Fagerhult story began in 1945 when our founder, Bertil Svensson, developed a lamp so his mother could keep knitting during the long, dark Nordic nights.

Over 70 years later, while the technology may have changed beyond all recognition, the same core principles remain. We develop innovative lighting and connectivity solutions that genuinely facilitate everyday life.

Light, Form, Function

The Scandinavian design philosophy is expressed through minimalism, with simple and functional forms, inspired by nature and its environment. With days of complete light and days of complete darkness, the Nordic relationship with light is unique and a defining part of our identity.

The Fagerhult approach to light and lighting fuses advanced technology with a distinct Scandinavian aesthetic. Forms follow the function but the light is always in focus; our culture is characterised by it.

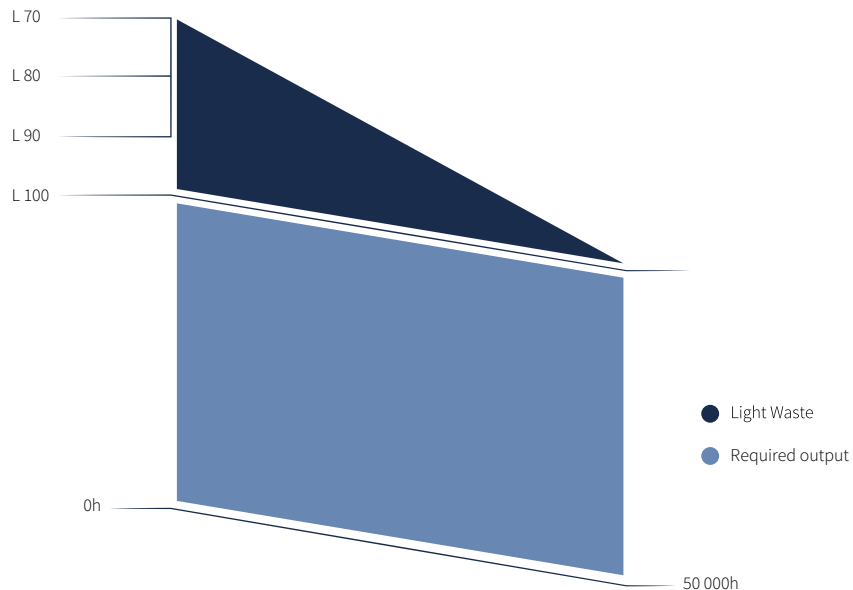




CLO

Constant Light Output (CLO) is a technology evolving from the long-life of LEDs. Many installations have to be "over-lit" in the first instance to compensate future depreciation in the light produced. With CLO the driver adjusts the current to regulate the output across the luminaires rated life, removing light wastage and reducing the energy consumed.

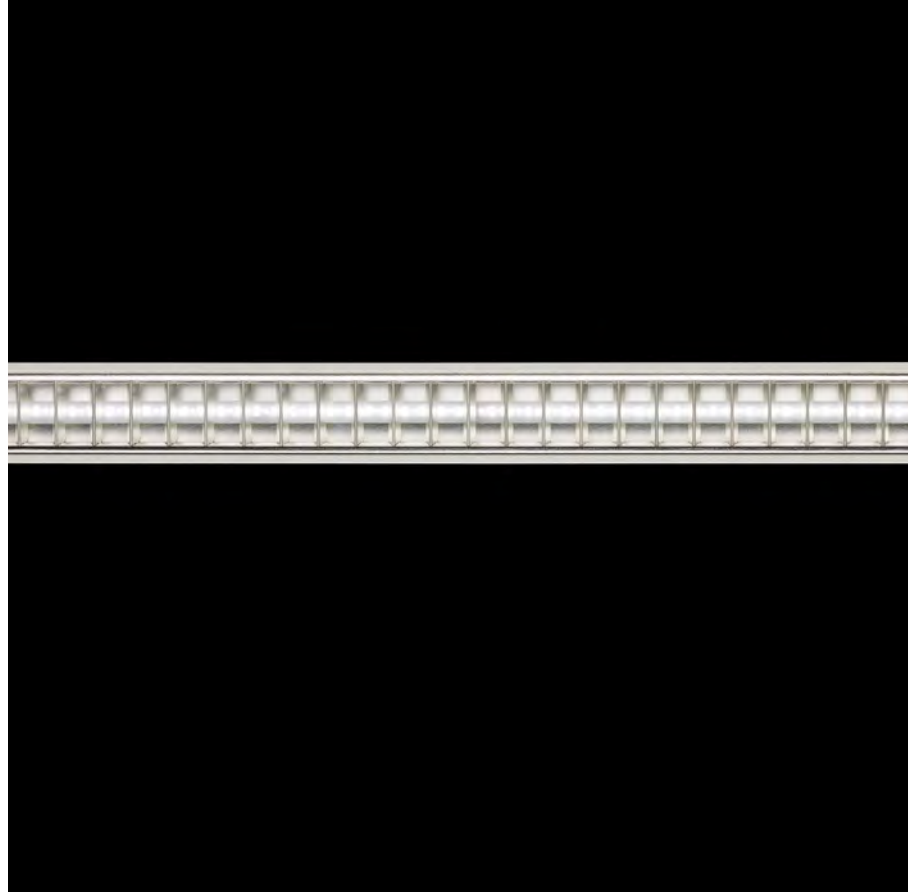
As the initial output is true to the design criteria it is possible to increase the lumen output without impacting on the visual experience. This permits wider spacing between the light sources and reducing the number of luminaires required to achieve the same light levels.



Beta Opti

Beta Opti is based on a classic, “batwing” shaped light distribution. It spreads the light out to the sides for increased uniformity across the space between luminaire rows without creating a luminance that is too high directly underneath.

Beta Opti provides complete control of the luminous flux, combining three elements to create the perfect output. The diffuser above the LEDs creates a linear uniformed distribution, avoiding issues with colour over angle and multiple shadows. The combination of parabolic reflectors permits an increased output without glare, while the blades precisely controls the output of the light across the task area.



Optimised Lens

The very nature of exterior illumination pitches the high light output of LEDs against the dark backdrop of its surrounds. The unique Advanced Glare Control lens protect the viewer from a blinding light while still providing an optimum distribution.

Different outdoor applications have different requirements. Choose from a variety of lenses that are developed in-line with the latest lighting standard, as well as providing a high level of visual comfort. The E-lenses are designed to focus on illuminance. L-lenses are ideal if the luminance from the ground is the main priority.



Fagerhult O.D.D.TM

The desire to add a personal touch to a design is an ever increasing trend. These requirements are not only aesthetic. Optimising installation time on site, integrating different services and creating exactly the right lit environment all contribute towards a project specific solution.

From cosmetic splashes of colour and changes to the light distributions, to ceiling integrations and out-and-out bespoke creations, Fagerhult's On Demand Design is a dedicated consultancy for customisation.



the **e** senses

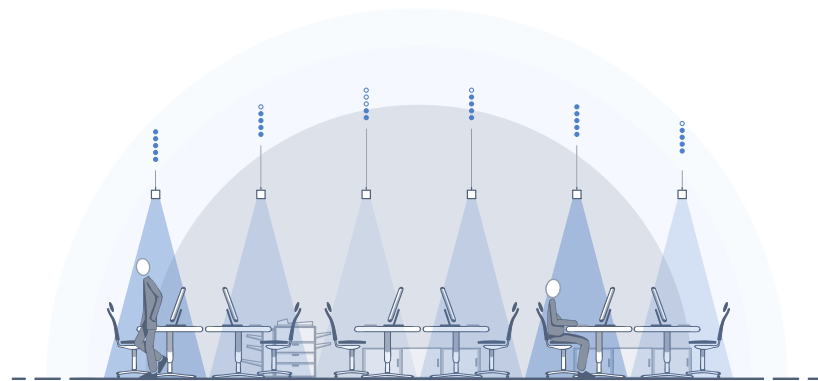
Lighting control is more than just energy savings, it helps put the right light, in the right place at the right time. The e-Sense range was developed with this criteria in mind. Each variation is tailored to a specific application, the environment it is in and how people use the space.

From offices, classrooms, warehouses and garages, to cycle paths, parks and roads, e-Sense's focus on intuitive, quick to install lighting control, eliminates all the hidden costs of installation, operation and maintenance.

e-Sense **Organic**

e-Sense Organic is a highly responsive, plug and play lighting system developed for workspaces. The sensors are integrated into the luminaire which simply has to be connected to power to get a fully operational presence detection system.

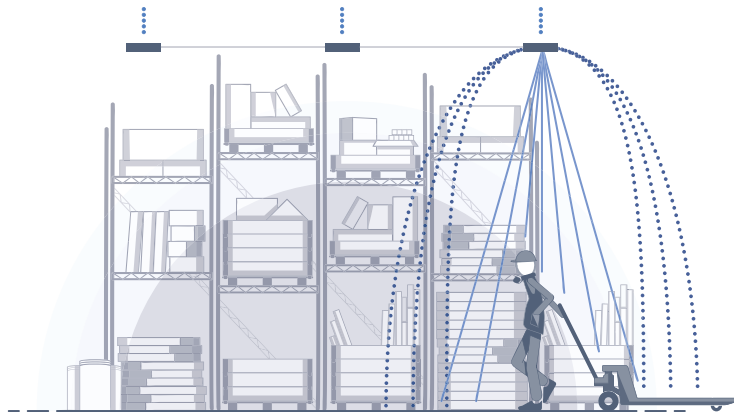
As each luminaire is equipped with its own sensor, e-Sense Organic offers unparalleled sensitivity to avoid light wastage in unoccupied spaces without impacting on the visual experience. In areas such as corridors the e-Sense Organic external sensor is an ideal solution for optimising the entire workplace.



e-Sense **Move Highbay**

e-Sense Move Highbay is a lighting control system for industrial applications. The system is equipped with a dual Microwave and PIR sensor in the same unit which enables you to switch between presence detection techniques or utilise both simultaneously.

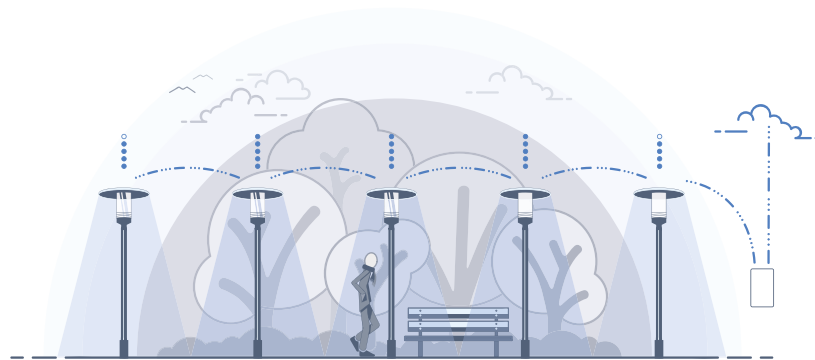
Once presence is detected, a predetermined number of luminaires light up at a defined level helping to create a seamless yet energy efficient navigation throughout the space. e-Sense Move Highbay is available with either an aisle or open area lens for application specific detection areas.



e-Sense **Motion**

e-Sense Motion is a wireless control system which can be programmed to illuminate according to need. The luminaires automatically dim when no one is present. When presence is detected, a predetermined number of fixtures brighten to pre-programmed levels and they remain illuminated behind you for a pre-set period.

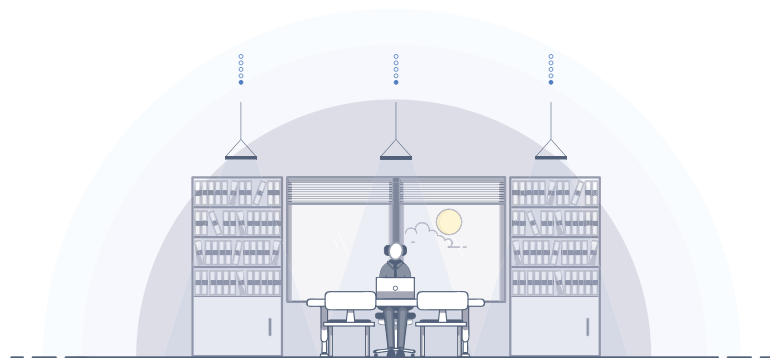
The Connected gateway solution offers the same functionality but with the ability to change settings, review energy consumption and various measured values via a secure cloud-based server.



e-Sense **Tune**

e-Sense Tune is an entirely independent, personal and wireless lighting control system for individual offices. Control and personalised settings are made directly on your smartphone or tablet. Once you have configured your settings, the system will automatically identify you when you enter the room and adjust to your personal settings.

e-Sense Tune comes with pre-set scenes and features for energy savings or daylight simulation. Additionally, the user has the option to create two personal lighting scenes.



Skywalker

Measuring only 36 mm at its widest section, Skywalkers 60/40 direct, indirect distribution is emphasised by the opening between the two light sources.

A playful combination of two shapes within the same fitting, the defined outer profile is softened with rounded corners, while the inner shape comes to life when the light hits and creates shadows. The new Beta Opti Nano louvre produces exceptional uniformity, without dark-spots, shielding and distributing the light to avoid glare.



e-Sense **Tune**



Installation

Pendant.

Output

1200: > 4700 lm.

1500: > 6000 lm.

Finish

White, Black.



Optilume

Optilume is a holistic take on efficiency. Its distinctive form hugs the technical solution, avoiding any unnecessary materials and reducing the environmental load in terms of transportation. On the working surface, at face level and the surrounding area Optilume produces just the right amount of light, further optimised with CLO.

The choice of white, black or champagne finishes offer a visual expression ranging from subtle to high contrast or directly in the middle.



Installation

Pendant single/tandem. Ceiling.

Output

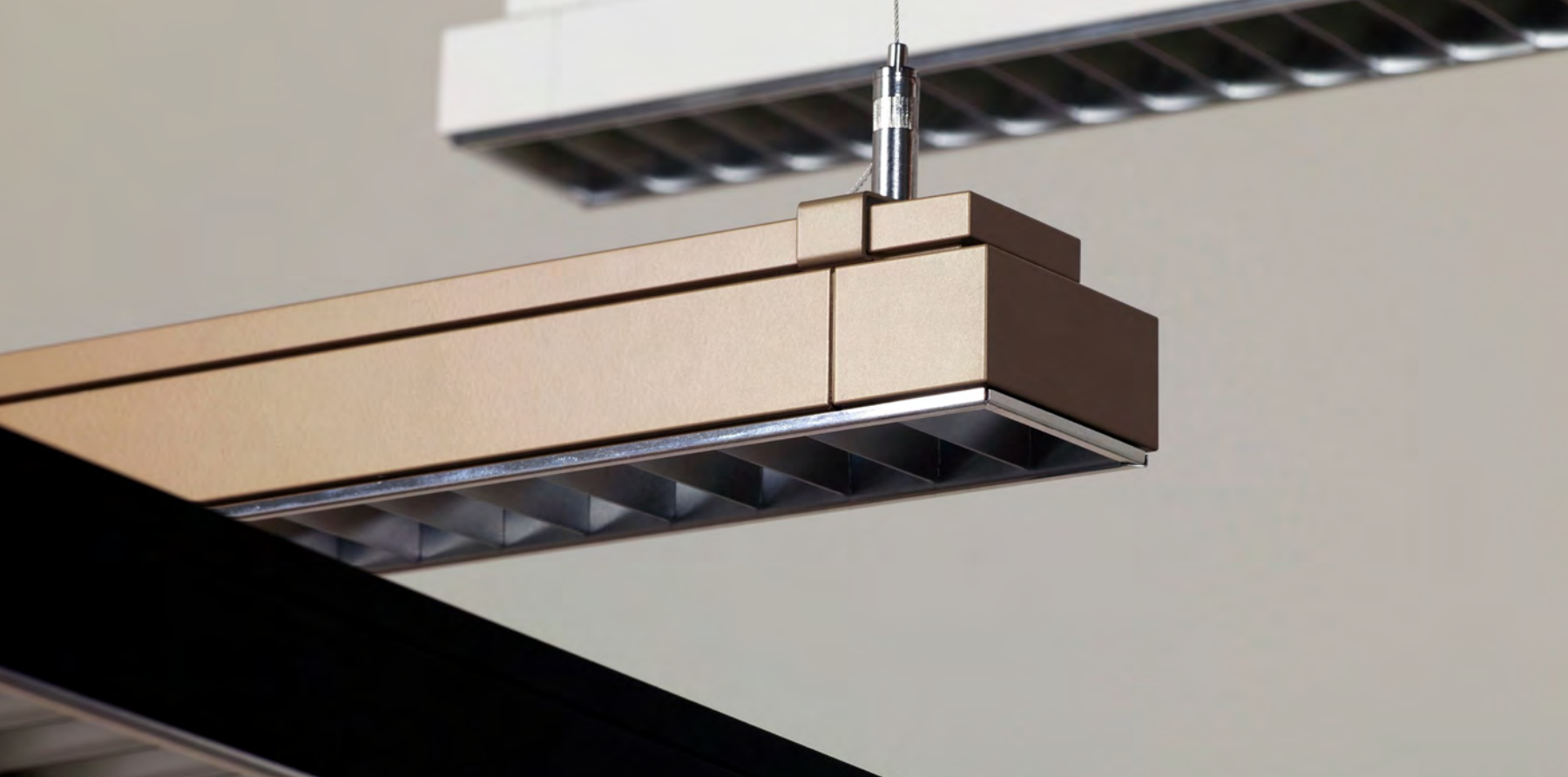
1200: D > 3600 lm. D/I > 5500 lm. C > 3800 lm.

1500: D > 4700 lm. D/I > 6100 lm. C > 4700 lm.

3000: D > 9500 lm. D/I > 12200 lm.

Finish

White. Black. Champagne.



Itza

Defined by its trend-neutral, clean and simple lines, Itza's 50/50 light distribution creates harmonious and stimulating environments where people thrive.

For a greater level of visual variation Itza can be customised with a range of different adhesive colours. The matt finish creates a more robust, industrial expression while the shift-effect gloss appears to change colour as it follows Itza's soft contours.



e-Sense **Tune**



Installation

Pendant single/continuous.

Output

Delta: 4700 > 5700 lm.

Beta Opti: 4700 > 5700 lm.

Finish

White. Grey. Custom.



Itza with a Chrome finish



Itza with a Carbon fibre finish

Notor 78

With a minimalist 78x78 mm symmetrical form, Notor is a chameleon of interior design. In white or natural anodised finishes, Notor ensures an optimal lit experience whatever your design concept.

The luminaires direct/indirect light distribution is available in combinations of 70/30, 50/50 or 30/70. The direct light is equipped with a Delta louvre and the indirect light with a technical film that increases the spread of light to avoid bright spots on the ceiling.



e-Sense **Organic**



Installation

Pendant single/continuous.

Output

1200: D > 3000 lm. D/I > 5900 lm.

2400: D > 6000 lm. D/I > 11800 lm.

Finish

White. Anodised.



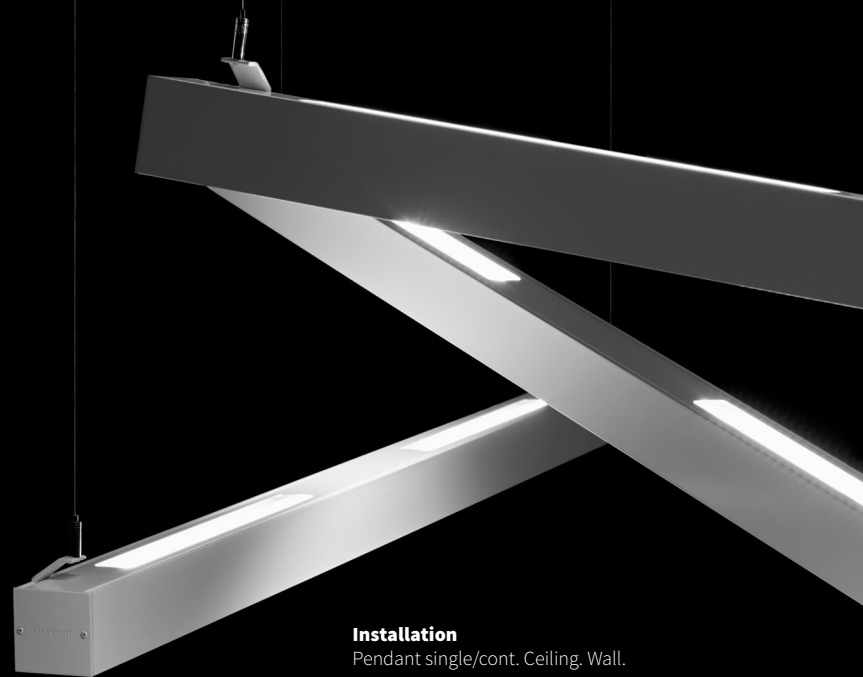
Notor 65

With three lengths as standard, customised measurements on request and quick connectors for speedy installation, Notor 65 is the easiest way to create long, unbroken lines of light.

Choose between different light distributions with direct, direct/indirect, or just indirect light. The luminaire is available with Beta Opti, Delta or Opal louvres. The indirect light is covered by an opal film which generates a wide beam.



e-Sense **Organic**



Installation

Pendant single/cont. Ceiling. Wall.

Output

800: Delta > 2300 lm. Opal > 1700 lm.

1200: Beta Opti > 6000 lm. Delta > 5000 lm. Opal > 2500 lm.

2400: Beta Opti > 12000 lm. Delta > 10000 lm. Opal > 5000 lm.

Finish

White. Anodised. Black.

Pozzo Scale

Scale is the latest evolution of the Pozzo lighting concept. Despite its slim form, measuring only 51 mm in height, Pozzo Scale has a focused indirect light component dedicating up to 40 % of the total light output to the ambient surfaces for an increased spatial experience.

To complement the direct/indirect, Pozzo Scale is available as a direct only pendant. In areas with reduced ceiling heights Pozzo Scale Ceiling helps maintain the design integrity and lit effect.



Installation

Pendant. Ceiling.

Output

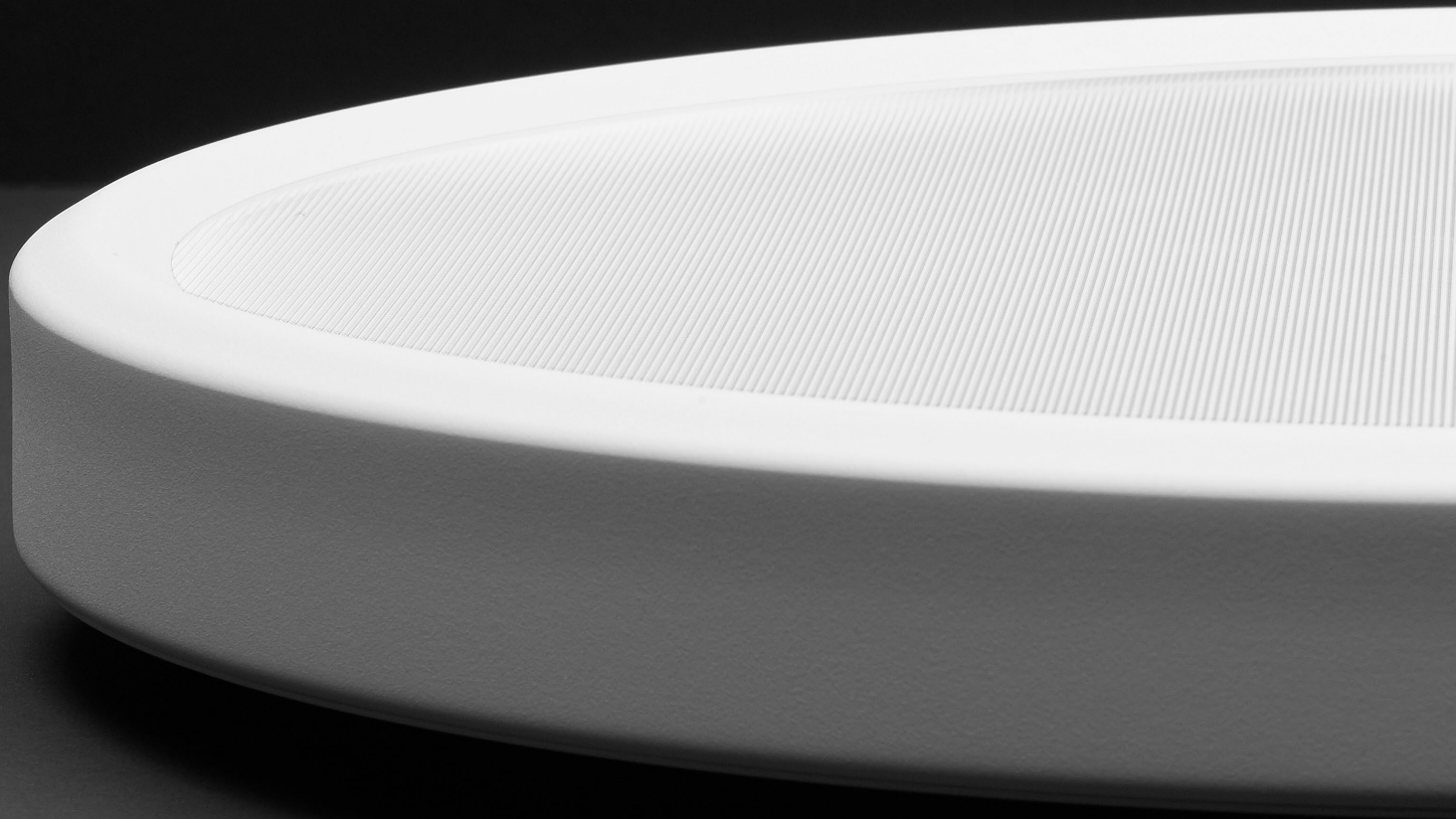
Ø 500: D > 2500 lm. D/I > 3700 lm. C > 2500 lm.

Ø 650: D > 41 00 lm. D/I > 6000 lm. C > 4100 lm.

Ø 850: D > 6100 lm. D/I > 9200 lm.

Finish

White.



Appareo Circular

Appareo is a suspended luminaire which maximises the design flexibility offered by LEDs without compromising on the requirements for efficiency and ergonomics.

In both a circular and rectangular design, unlit the acrylic screen is completely transparent. When lit, the LEDs positioned across the slide of the luminaire bring the screen to life, increasing the opacity and guiding the light for an optimal visual experience.



Installation

Pendant.

Output

Ø 675: > 4900 lm.

Finish

White. Black.



Sweep and Scoot

Designed as a cut-off sphere, Sweep provides a contemporary lighting solution for modern offices. Sweep has a tactile surface with a rubber like matt finish with an opal or Delta microprism diffuser.

Seen from below, Scoot has the shape of the classical super circle once defined by Piet Hein. With its unique design and combination of direct and indirect light, Scoot offers all that you need for designing and lighting offices in a new, unconventional way.





SCOOT

Installation

Suspended.

Output

Ø 450: Opal > 3500 lm.

Ø 450: Delta > 3300 lm.

Finish

Black. White. Green. Blue. Light Coral.



SWEEP

Installation

Suspended.

Output

Ø 500: Opal > 4300 lm.

Ø 500: Delta > 4200 lm.

Ø 700: Opal. Delta > 7700 lm.

Finish

Black. White. Green. Blue. Light Coral.

Dino

The Dino concept is based upon a light engine available in two sizes, each with two outputs. The visual expression is then defined by the choice of attachment.

Metal or fabric shades in various designs or just elegant, clean-lined glass shades, combined with different colours on the LED-engine, Dino is every designers dream. With the technical solution pre-accredited, customising the shade for a unique expression couldn't be easier.



DINO NET

Installation

Pendant.

Output

Ø 500: 1400 > 1500 lm.

Ø 900: 2600 > 6100 lm.

Finish

White textile shade.



Dino Kvarts, Ø 190 mm.



Dino Silo, Ø 500/1000 mm.



Dino Prismatic, Ø 410 mm.



Dino Apollo, Ø 300/500 mm.



Pleiad G4

Pleiad G4 is the definitive range of downlights, combining ease of installation with exceptional light comfort. The advanced lens technology creates a uniform low luminance in the reflector, maximising the output while avoiding glare.

Available in a number of different sizes, distributions, CRI 80 or 90, wallwasher, pendant, square or flex designs, Pleiad G4 delivers a complete solution fulfilling all technical demands and visual requirements of a contemporary lighting installation.



Kaskad

Kaskad is an elegant lighting solution. The distinct trim ring, combined with the black baffle, creates an architecturally exciting solution with well-defined light and exceptional colour rendering and consistency.

Kaskad comes in several versions to meet every project's needs. Fixed downlights with a variety of light spreads, wallwashers to provide ambient light or tilting and rotating luminaires for accent lighting of shapes and surfaces.

Installation

Recessed.

Output

Fixed: > 1700 lm. 2700 K, CRI 98, SDCM 2. 3/4000K CRI 90 SDCM 3.

Flex: > 1000 lm. 2700 K, CRI 98, SDCM 2. 3/4000K CRI 90 SDCM 3.

Wallwasher: > 1300 lm. 2700 K, CRI 98, SDCM 2. 3/4000K CRI 90 SDCM 3.

Finish

White.



Touch

As versatile as a “little black dress” or a fitted suit, Touch always helps you look your best no matter the application. With a minimalistic design and state of the art technology, Touch never goes out of style.

Touch consists of both track mounted and recessed spotlights with different light outputs.

All luminaires in the Touch family speak the same design language, allowing you to create a unified impression throughout the shop.



Installation

Track. Recessed.

Output

700 < 4500 lm.

Finish

White. Black. Grey.

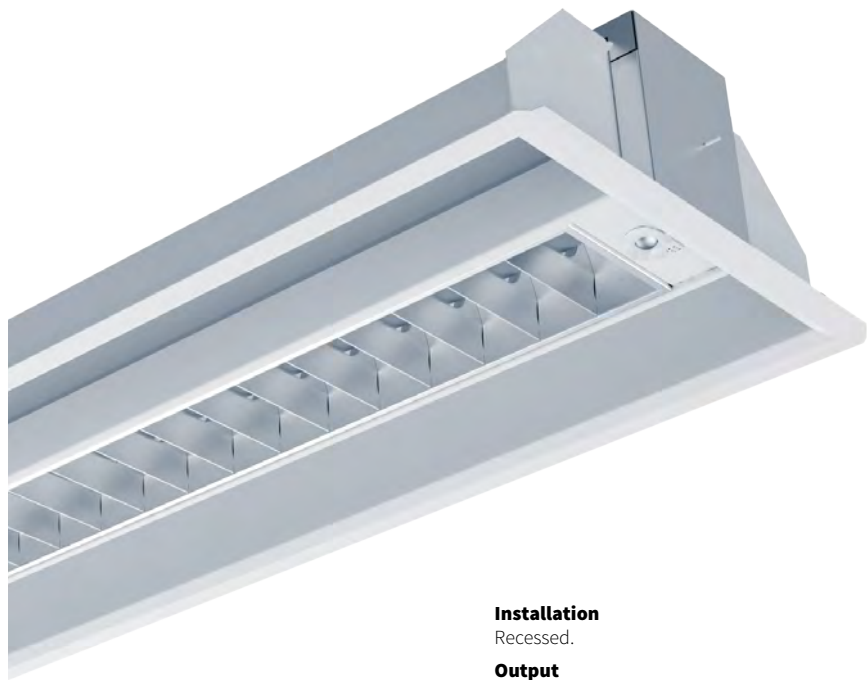
Indigo Combo

The Indigo range encompasses three different louvre types: Delta, Beta Opti and Opal. The Beta Opti and Delta versions have an increased direct output, ideal for workspaces, complying with the standards for both light levels and UGR.

With 1200x300 and 600x600 variations, compatible with a variety of ceiling types, quick connection system as standard and options for CLO and e-Sense Organic, Indigo Combo is simply the easiest and quickest way to install an efficient, glare-free workplace lighting solution.



e-Sense **Organic**



Installation

Recessed.

Output

Beta Opti 1200x300: LL < 2800 lm. HL < 4400 lm.

Beta Opti 600x600: LL < 2800 lm. HL < 4900 lm.

Delta 1200x300: LL < 2100 lm. HL < 3700 lm.

Delta 600x600: LL < 2300 lm. HL < 3800 lm.

Finish

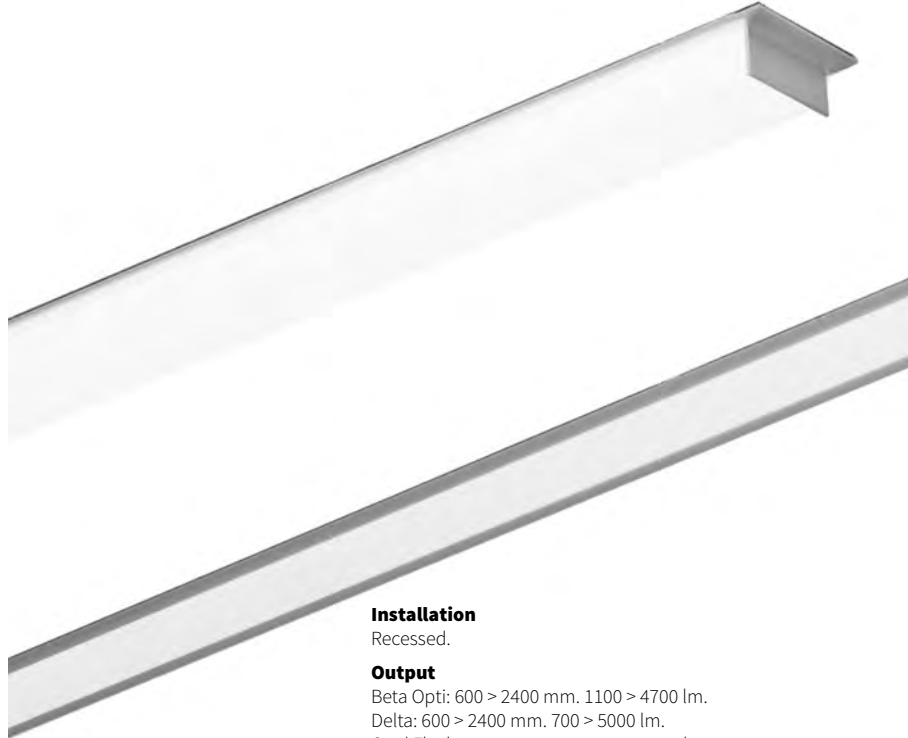
White.



Notor Recessed

Combining a clean-line aesthetic with exceptional efficiency, Notor recessed creates flowing, unbroken lines of light in the ceiling in numerous configurations with illuminated corner pieces.

Choose between four different optics; dropped or flush opal, microprism or louvre to create the right lit effect. Despite its flexibility, the carefully constructed connection mechanism keeps the installation process as simple as possible.



Installation

Recessed.

Output

Beta Opti: 600 > 2400 mm. 1100 > 4700 lm.

Delta: 600 > 2400 mm. 700 > 5000 lm.

Opal Flush: 600 > 2400 mm. 700 > 5500 lm.

Opal Dropped: 600 > 2400 mm. 800 > 5900 lm.

Finish

Anodised. White.

InduLED

InduLED is a complete luminaire family that meets the industry's needs in terms of versatility and flexibility. The luminaire is available with three different light distributions; narrow beam for high bay storage and industries with high ceilings, medium beam for typical workshop environments and wide beam for rooms with a lower ceiling height.

Equipped with Constant Light Output, InduLED permits wider spacings between the luminaires and reduced energy consumption.



e-Sense **Move Highbay**



Installation

Surface. Suspended.

Output

Narrow: 9100 > 14100 lm. > 165 lm/w.
Medium: 6300 > 14100 lm. > 165 lm/w.
Wide: 6300 > 14100 lm. > 165 lm/w.

Finish

Alu-zinc.

Hero

Hero is a robust high bay luminaire with a housing made of cast aluminium and tempered glass or PMMA. Hero mounted with ceiling bracket is certified in accordance with VDE 0710-13. Protection class IP 66 and if PMMA is used, IK 10 is achieved. Hero SPA has a unique asymmetric distribution and is approved for swimming pool areas.

Hero can be surface-mounted, recessed, installed on an adjustable ceiling/wall bracket, suspended on a wire/cable or installed on a tube bracket.



e-Sense **Move Highbay**



Installation

Surface. Recessed. Suspended. Tube. Wire.

Output

Narrow: 12000 > 24000 lm. > 145 lm/w.

Medium: 12000 > 24000 lm. > 145 lm/w.

Wide: 12000 > 20000 lm. > 145 lm/w.

SPA: 12000 > 20000 lm. > 145 lm/w.

Finish

Black. White (SPA).



Excis LED

Excis LED offers an ideal solution in sports halls in terms of lighting comfort, energy efficiency, durability and freedom from maintenance. Three different light distributions (wide, medium and asymmetric) and three different flows allow for a tailored lighting solution for different halls and various sports.

The glare control in Excis LED consists of an optical disc that controls the light longitudinally with exceptional anti-glare properties, all variants pass the UGR requirement for sports halls.



Installation

Surface. Tube. Wire. Adjustable ceiling bracket.

Output

Asymmetrical: 6000 > 20200 lm. > 140 lm/w.

Medium: 6300 > 20600 lm. > 140 lm/w.

Wide: 6100 > 20300 lm. > 140 lm/w.

Finish

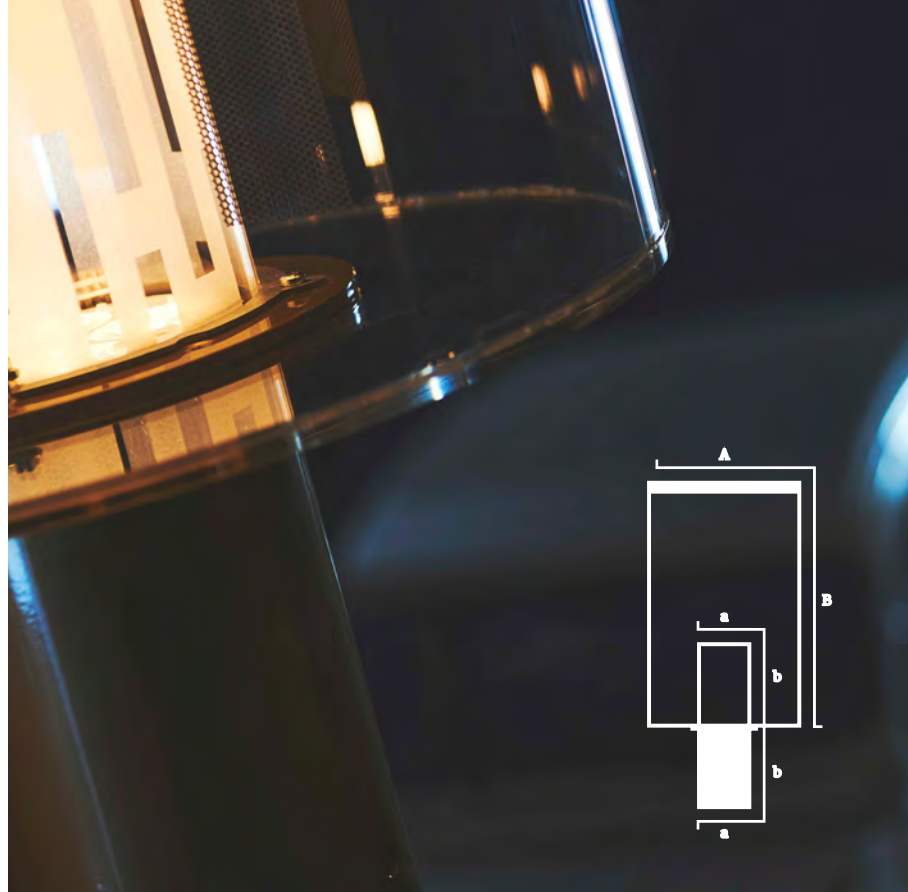
White.



Devina

Traditionally, the design of luminaires and lanterns has taken its starting point in the shape of the light source. As technology evolved many of the shapes of yesterday are still being used today. The form of Devina is based on the most timeless of design concepts, applying the principles of the Golden Ratio to create the perfect cylinder.

Each Devina has a distinct visual language which speaks through the carefully curated composition of materials. Designs with a nordic spirit that can easily be translated into different habitats around the globe.



Devina – your way

Increasingly cities and towns are placing a greater emphasis on customization and creating unique designs to express their character and soul. The Devina O.D.D concept is based on collaboration, creating the opportunity to add a signature twist with the technical quality assured.

Experiment with different materials, colours and shapes to find the perfect expression, the opportunities are virtually endless to create your own story.



Vivita

With its slim, cylindrical form Vivita is an elegant, contemporary post-top luminaire ideal for modern park environments.

The integral combination of rods and rings adds a refined aesthetic which maintains its design integrity when illuminated at night and during the day. Vivita can be supplied with a large shade spanning \varnothing 720 mm for a more dramatic visual expression.



Installation

Post, Bollard.

Output

Vivita with decor ring: Symmetrical > 3200 lm. Asymmetrical > 3200 lm.
Vivita with decor ring/shade: Symmetrical > 3100 lm. Asymmetrical > 3100 lm.
Bollard: 1200 > 2800 lm.

Finish

Alu-grey.



Verda

Verda has style and function for every occasion. A complete luminaire family for careful and varied lighting of parks, outdoor living environments and smaller spaces in a city or town.

The basic model can be supplemented with decor rings and a shade, either individually or in combination. This makes it easy to vary the lighting within a larger area with a cohesive aesthetic.



Installation

Post, Bollard.

Output

Verda: Symmetrical > 3100 lm. Asymmetrical > 3300 lm

Verda with shade: Symmetrical > 3000 lm. Asymmetrical > 3200 lm.

Verda with decor ring: Symmetrical > 3100 lm. Asymmetrical > 3300 lm.

Verda with decor ring /shade: Symmetrical > 3000 lm. Asymmetrical > 3100 lm.

Bollard: 1200 > 2800 lm.

Finish

Anthracite grey.



PoleLITE

With a choice of three beam angles PoleLITE creates both a sense of security and beautiful surroundings. PoleLITE has a hinged bracket that can be turned to the desired position for e.g. illuminating a staircase or surrounding vegetation.

The fixture is easy to install and has a bracket with a double joint that can be rotated to the exact position for your specific project.

Installation

Post. Wall.

Output

900 > 1100 lm.

Finish

Anthracite grey.



On Ground

On Ground is developed to bring a touch of beautification to even the toughest and most demanding environments. Uniquely, for a ground flood light, it sits above ground level rising over any vegetation or other potential blockages that could cross the light opening.

With a vandal-proof, neutral design, On Ground disappears into the background with the focus drawn to the lit effect.

Installation

Ground.

Output

> 1100 lm.

Finish

Anthracite grey.





Vialume

The Vialume post top luminaire is characterised by a soft, organic shape with simple lines, which link it to Nordic design tradition. The timeless, stylish form enhances the area during the daytime and provides brilliant lighting in the dark of night.

With three sizes of post top luminaires with a consistent visual – from road lighting to footpath lighting – there is a solution for any city environment.



e-Sense **Motion**



Installation

Post.

Vialume 75

Developed for smaller streets, walkways and cycle paths.

Vialume 1

Ideal for city streets, walkways, cycle paths and car parks.

Vialume 2

The powerful version with high light output and advanced optics ideal for e.g. road lighting and larger car parks.

Output

> 124 lm/W.

Vialume 75: > 3500 lm.

Vialume 1: > 8300 lm.

Vialume 2: > 18300 lm.

Finish

Alu-grey. Anthracite grey. Black. White.

AGC lenses.





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Fagerhult develops, manufactures and markets professional lighting systems for indoor and outdoor environments such as offices, schools, retail areas, industries, hospitals. Our operations are run with a constant focus on design, function, flexibility and energy saving lighting solutions.

Fagerhult Group is one of Europe's leading lighting groups with operations in more than 20 countries. AB Fagerhult is listed on the NASDAQ OMX Nordic Exchange in Stockholm.

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