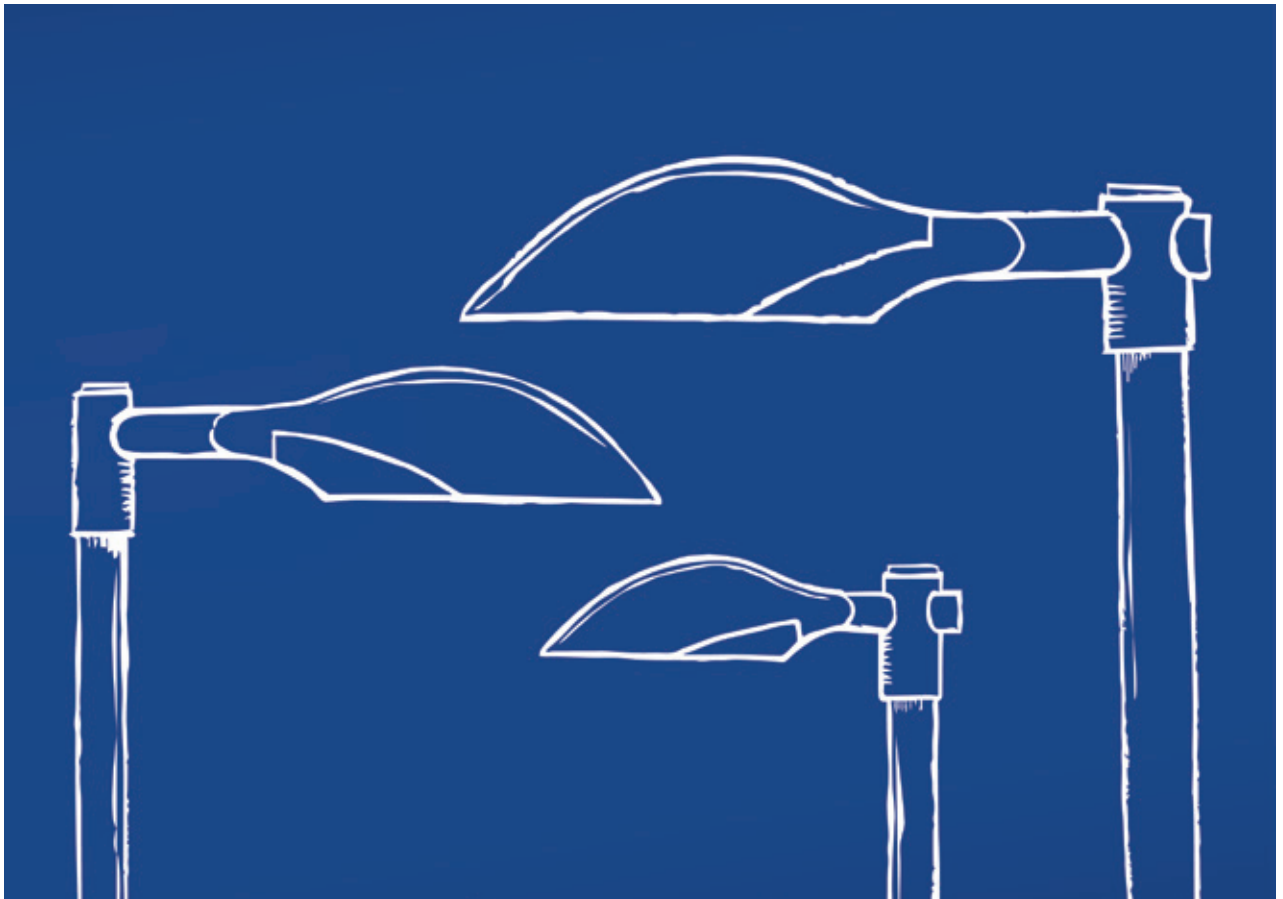




VIALUME

Complete family with visual comfort

FAGERHULT



A Nordic expression – several areas of application

Taking inspiration from the beautiful Nordic light, we created Vialume 1 – Fagerhult’s first self-manufactured post top luminaire for city streets, pathways and parking lots. Having been very well received, the family is now being expanded with several variations on the Nordic classic.

The Vialume post top luminaire is characterised by a soft, organic shape with simple lines, which link it to the Nordic design tradition. The timeless, stylish design enhances the area during the daytime and provides brilliant lighting in the dark of night. Vialume is, quite simply, a luminaire, which is equally well-suited to classic surroundings as it is to a modern city environment. With three luminaire sizes in the same design, Fagerhult can now offer complete, energy-efficient lighting solutions for any city environment – from footpaths to motorways.

The smaller post top luminaire, Vialume 75, has been developed with outstanding light properties for smaller

streets, footpaths and bicycle paths. As the name suggests, the luminaire is 75 % the size of its bigger sibling Vialume 1.

In contrast, Vialume 2 is a bigger, more powerful version with high luminous flux and advanced optics developed for illuminating wider main streets, motorways and large car parks.

Knowledge, development and manufacturing in Sweden

In order to ensure a high degree of quality, the Vialume family is tested thoroughly in Fagerhult’s own, third-party certified laboratory with cutting-edge expertise. The post top luminaires are manufactured in Sweden and the LED cards are manufactured in our factory in Habo, which means we are able to ensure sustainable production and can guarantee spare parts availability for a long time to come.

Visual comfort

Here at Fagerhult, visual comfort means that light should be a positive experience – both for those seeing the light from a distance and those in the light. Using Fagerhult's specially developed AGC (Advanced Glare Control) lenses, we have succeeded in minimising glare and ensuring good uniformity.

The lenses are extra-large and are tightly placed in a single luminous cluster – a design which optimises visual comfort. Furthermore, the lenses are recessed into the luminaire to minimise glare, and the light cluster illuminates the inner edge of the light aperture – an elegant effect which makes the luminaire visible from a distance and provides a visual guidance.

The vertical surfaces have a well-balanced brightness that creates spatial awareness and creates an increased sense of security. This means that the eye can comfortably adapt to the road ahead approaching the luminaire and there is less risk of glare.





Optimised optics

In lighting technology terms, Vialume is optimised in line with the latest lighting standard requirements, and you can choose from several different lenses with various light distribution. They are adapted for different areas of application – from roads, streets, parking lots, footpaths and bicycle paths.

With visual comfort and uniformity as the basis, our AGC (Advanced Glare Control) lenses are optimised for maximum post spacing, maximum light within a work area, maximum luminosity, and maximum glare reduction – for given road conditions



The light is distributed through large lenses that are protected by flat glass.



Vialume has variable tilting function for perfect positioning above the road surface.

Energy-saving lighting control

The need for fully lit streets and other environments is reduced during the late evening and night. But switching the lights off completely may result in us feeling unsafe. With the help of advanced lightning control, it is possible to satisfy the needs of residents while also saving energy.

Vialume has various lighting control options for ensuring a sustainable lighting system. There are also DALI versions available on request so that you can implement the lighting control system that you want.

Read more on page 10.



Vialume 75 on Læsø, Denmark

Tailored to your project

Different projects have different requirements. Therefore, the various Vialume post top luminaires can easily be customised with regards to luminous flux, colour temperature, cables and other factors that could have a significant effect on the functionality of an installation. Or why not choose a unique luminaire colour?

Fagerhult's extensive knowledge of lighting means we can make project customisations suited to your needs – with delivery assurance of the highest degree.



Vialume 1, Uppsala Sweden



Product information

Connection

Delivered with cable for easy installation. DALI version available on request, delivered with a 5-pin cable. See each luminaire for more information.

Design

Body and post bracket in cast aluminium. Aluminium-zinc coated stainless screws. Driver is integrated in the luminaire. Hardened flat glass.

CLO (Constant Light Output) as standard

CLO maintains the correct light from the luminaire for the duration of its service life. The installation does not need to be over installed to compensate for future light depreciation from the diodes. The operating costs and total installation costs are reduced.

See page 10 or our website for more information.

Light distribution

Asymmetrical. Available with different light distributions, see page 8. The E-lens are designed to focus on illuminance. L-lenses are ideal if the luminance from the ground is the main priority.

Accessories

Single bracket for Ø 60 mm post top. Alu-grey. For Vialume 1.	309901
Single bracket for Ø 76 mm post top. Alu-grey. For Vialume 1.	309902
Double post-top bracket for Ø 60 mm post top. Alu-grey. For Vialume	309903
Double post-top bracket for Ø 76 mm post top. Alu-grey. For Vialume	309904
Spigot for post arm Ø 60 mm. Untreated. For Vialume 1.	301050
Spigot for post arm Ø 48 mm. Alu-grey. For Vialume 75.	309905
Single bracket for Ø 60 mm post top. Alu-grey. For Vialume 2.	303858
Single bracket for Ø 76 mm post top. Alu-grey. For Vialume 2.	303859

Optics

AGC-lenses (Advanced Glare Control) for both illuminance and luminance classifications.

Lighting control

Available with different lighting control options.

Night-time dimming 1, dims down for six hours.

Night-time dimming 2, dims down for eight hours.

Other versions of Night-time dimming and DALI version on request. See page 10 or our website for more information.

Standard colour

Alu-grey (RAL 9006, semi-gloss). Anthracite grey (Gris 900 Sablé), black (RAL 9005) or white (RAL 9010, semi-gloss) on request.

Colour temperature and colour quality

See each luminaire for more information.

Other versions on request.

LED information

Driver life-time: up to 100.000 h/10 % (max failure).

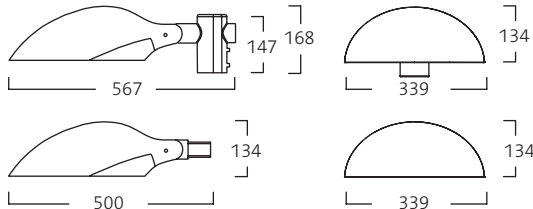
$L_{100}B_{50}$ 100.000 h. Driver with integrated surge protection (6 kV, DM). Extra surge protection (10 kV, DM and CM) available on request.

Design

ÅF Lighting and Tuxen Design.



Vialume 1, Uppsala Sweden



Vialume 75

Installation

Post top luminaire which in its standard design can be mounted on a \varnothing 60 mm post top. Variable tilting function $+10^\circ$, -15° for perfect installation.

Accessories

Spigot for post arm \varnothing 48 mm.

Light flux

1600–3300 lm. Up to 123 lm/W.

Connection

Connection cable $3 \times 1,5$ mm² type H05RN-F. 4-LED version delivered with 5 m cable.

Colour temperature and colour quality

740=4000 K, Ra 70. MacAdam 5.

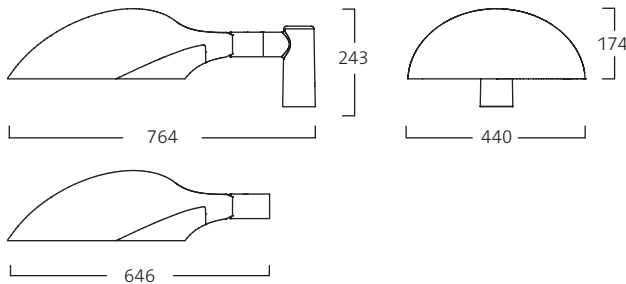
730=3000 K, Ra 70. MacAdam 5.

830=3000 K, Ra 80. MacAdam 5.

Miscellaneous

IK10.

Post height 3–5 m.



Vialume 1

Installation

Post top luminaire which in its standard design can be mounted on a \varnothing 48 mm post arm bracket. Variable tilting function $\pm 15^\circ$ for perfect installation.

Accessories

Single or double post-top bracket for \varnothing 60 or 76 mm post top. Spigot for post arm \varnothing 60 mm.

Light flux

2300–8300 lm. Up to 124 lm/W.

Connection

Connection cable $3 \times 1,5$ mm² type H07RN-F.

4-LED version is delivered with 6 m cable.

7- and 9-LED versions are delivered with 8 m cable.

Colour temperature and colour quality

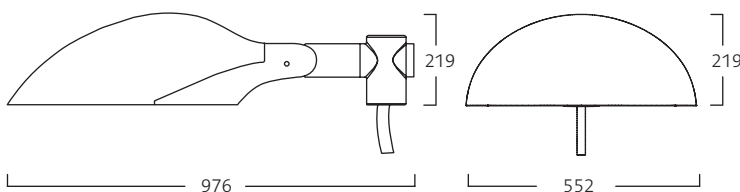
740=4000 K, Ra 70. MacAdam 5.

830=3000 K, Ra 80. MacAdam 5.

Miscellaneous

IK09. PMMA diffuser with IK10 on request.

Post height 5–8 m.



Vialume 2

To be launched in Q1 2017

Installation

Post top luminaire which in its standard design can be mounted on a \varnothing 60 mm post arm bracket. Variable tilting function $\pm 10^\circ$ for perfect installation.

Accessories

Single bracket for \varnothing 60 or 76 mm post top.

Light flux

7300–18 300 lm. Up to 131 lm/W.

Connection

Halogen free connection cable $3 \times 1,5$ mm² type FQQ.

Delivered with 12 m cable.

Colour temperature and colour quality

740=4000 K, Ra 70. MacAdam 5.

730=3000 K, Ra 70. MacAdam 5.

Miscellaneous

IK08.

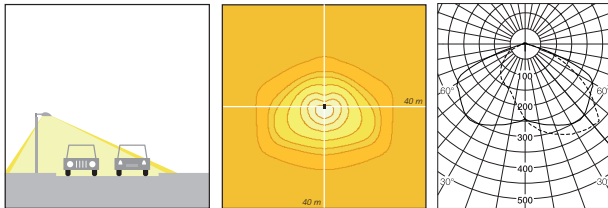
Post height 8–12 m.

Optimised optics for a variety of projects

During the development of our own AGC (Advanced Glare Control) lenses, the aim was to produce optics with perfect light distribution suitable for most wall geometries while also minimising glare to increase the visual comfort.

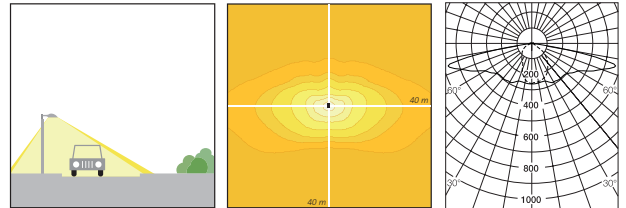
Choose from a variety of lenses that are developed in line with the latest lighting standard – as well as providing a high level of visual comfort. The E-lens are designed to focus on illuminance. L-lenses are ideal if the luminance from the ground is the main priority.

E1 lens



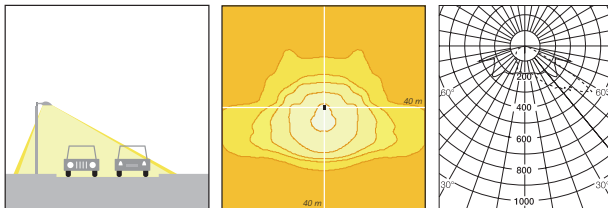
Potential application areas: streets and car parks.
Luminous intensity class G6.

E2 lens



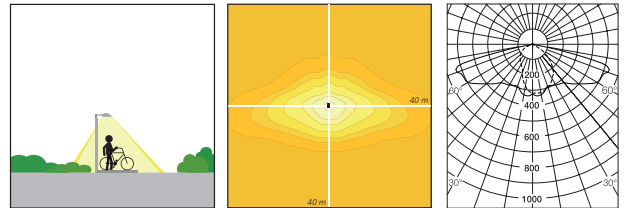
Potential application areas: streets, car parks, footpaths and cycle paths.

E3 lens



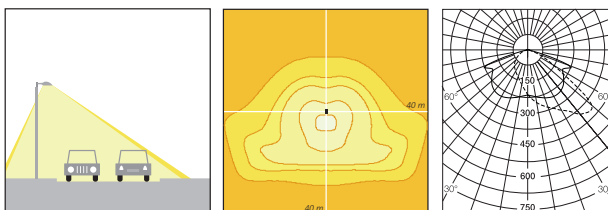
Potential application areas: streets, car parks, footpaths and cycle paths.

E5 lens



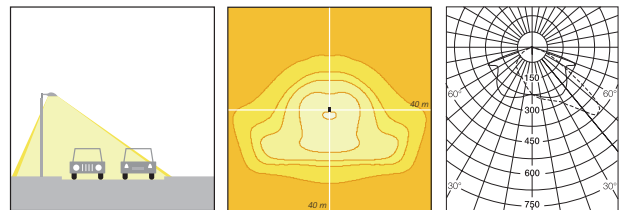
Potential application areas: footpaths, cycle paths and illuminated jogging trails.

L2 lens



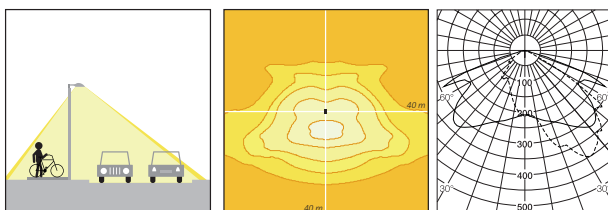
Luminance optics optimised for wet roads.
Luminous intensity class G6.

L4 lens



Luminance optics optimised for wet roads.
Luminous intensity class G6.

L7 lens



Luminance optics optimised for wet roads.

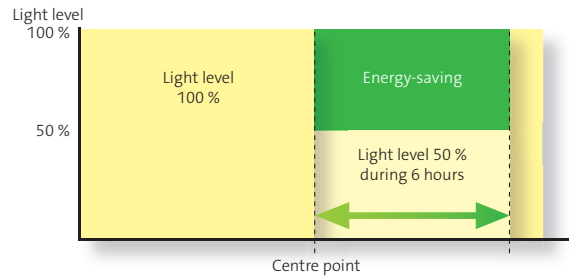


Night-time dimming

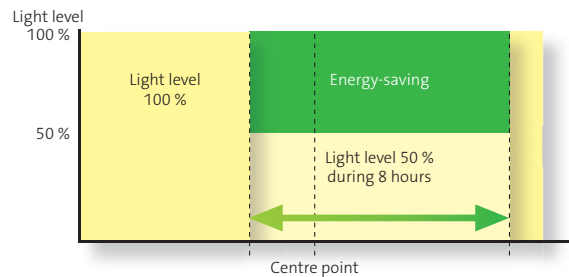
With the aid of lighting control, major energy savings can be made without the need to switch off lights completely and create a sense of insecurity. Choose between Night-time dimming 1 or 2 as a standard. Other Night-time dimming options are available on request.

The various systems we use for lighting control outdoors are integrated into each luminaire's electrical ballast and take care of themselves. Nor is there any need for external accessories to make the lighting control work. The control units are pre-programmed and maintenance-free. Luminaires with Night-time dimming also require no additional investments in or modifications to infrastructure.

Visit our website for more information.



With Night-time dimming 1 the installation is adjusted down from the light cycle's centre point and six hours ahead. When six hours have passed, the installation is adjusted up to full level.



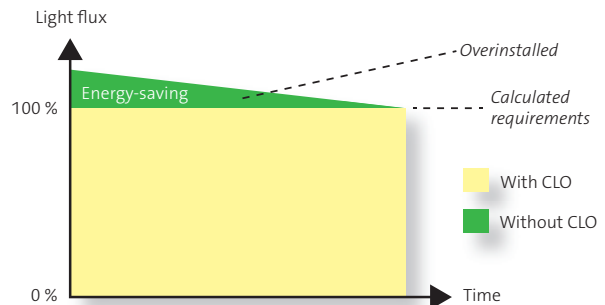
The Night-time dimming 2 system adjusts the output down from two hours before the light cycle's centre point and a total of eight hours ahead. When eight hours have passed, the installation is justed up to full level.

CLO – Constant Light Output

The light flux of LEDs reduces over time as the diode ages, just as with many other light sources. This light depreciation is more or less linear across the diode's service life. The luminaire itself can compensate for the light depreciation. This is called Constant Light Output (CLO).

The luminaire starts its service life at a lower operational current. The current gradually increases over its service life to compensate for the LED's light depreciation. This compensation is automatic, requiring no maintenance resource.

The advantage of CLO is that the installation does not need to be over installed to compensate for future light depreciation from the diodes. Using CLO, you get the correct light from the luminaire for the duration of its service life. CLO also decreases the installation's environmental impact. The operating costs and total installation costs are therefore also lower.



The requirement for light flux is 100 per cent according to the calculation. You do not need to overinstall when using CLO. The luminaire will be constantly illuminated for the duration of its service life. You then avoid luminaire light depreciation.

Fagerhult develops, manufactures and markets professional lighting systems for public environments. Our operations are run with a constant focus on design, function, flexibility and energy saving solutions.

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



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