

NEW ITEMS

THIS MONTH

WE HAVE THE
BEST LED
STREET
LIGHTING
OPTIONS.



WE ARE "STREETS AHEAD" WITH OUR LED STREETLIGHTING!!

A FOUR YEAR STUDY CONDUCTED BY THE SWEDISH ROAD AUTHORITY HAS RESULTED IN OUR LED STREETLIGHTING ACHIEVING THE HIGHEST PERFORMANCE RATING AMONGST ALL OUR COMPETITORS INCLUDING PHILLIPS!

In 2010, TrafikVerket, the Swedish authority responsible for the administration and maintenance of the country's central highways and major city infrastructure, commenced a detailed study of available lighting technologies.

Quote from test results of Monde Verdes products :

" The fixtures have worked and served its purpose . No problems have been reported since commissioning in 2011 and 2012. , we recommend fitting to colleagues in the industry at similar projects. One should check the optics that fit best solution because there are various options to choose from . "

" The fixtures have worked and served its purpose . No problems have been reported since commissioning in 2010 and 2012. Upon similar projects recommended luminaire to colleagues in the industry. "

" One conclusion to draw is that a luminaire with lower power would be installed from the beginning. Now there is the ability to dim the luminaires which was good. Ability to control the armature wireless is positive.

By switching to LED the Transport Administration made a big energy savings. Positive.

The model Phoenix gets a top score of 17 points .Unquote

Luminaires were tested from Low Energy Designs, (supplied through MondeVerde), Philips, Lumi, Prisma Light, BB-Lighting, LedOn, RBI, ATDI and SELUX.

The lamps were scored across the following five categories, with a maximum of four points per category: Innovation, Energy Saving Capability, Reliability, Value and Functionality.

Low Energy Designs Phoenix lamp scored as highly as any lamp in its grouping achieving a very high score of 17 points, well above the average of 13.8 for the technology as a whole and particularly noted for its range of available options.

Quote" 3.2.10 Monde Verde, Phoenix - Road 260 Stockholm

Top

Transport Administration has tested 10 of Mondeverde's fixtures Phoenix on the road 260 since 2011.

The luminaire has worked well in operation without comment.

However, installed a high power resulting in that the plant must now be dimmed because there is too much light.

Luminaire Data Sheet has been supplied by the vendor.

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OTHER
PRODUCTS

- STREET LIGHTS
- CAR PARKING
- OFFICES
- PETROL FORECOURTS
- FLOODLIGHTING
- SIGN LIGHTING ETC...

Purpose

The aim of the project New light is to test and evaluate new lighting technology with the goal of finding the most energy-efficient way to illuminate the Administration roads. In the test of Phoenix, we have evaluated a given type of LED luminaire.

Type of luminaire and relationship on the spot

On the road 260 the Transport Administration tested Phoenix from Monde Verde and the system was started in 2011. The test section is a new project with new poles and fixtures. Luminaires are sitting on top of ten-meter high poles with a post spacing of 40 meters. Number of light points is ten pieces. Previously, this road was served by 150W high pressure sodium lamps.

The luminaire Phoenix has LED technology with lenses that provide an asymmetric light distribution. The Luminaire is available in several different powers and it has been installed on the road 260 at 99 W. The luminaire is supplied with a light sensor that can be turned on and off without central ignition. This function is not used in the current application. Built into the luminaire is wireless control, which is based on the ZigBee standard, which allows for programming and monitoring from the ground.

Product features, delivery, assembly and reliability

Product Category: volume / premium. The product is somewhere between price segments. ·

Delivery on time as expected.

Mounting: The fixture was easy to install and no problems arose in connection with mounting.

Reliability: The luminaires have worked well in operation. No problems have been reported since commissioning.

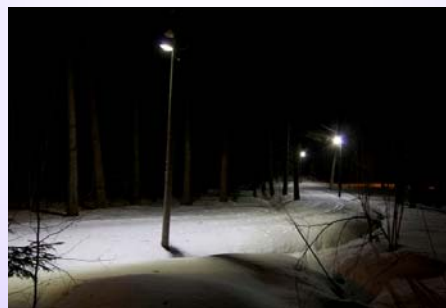
The luminaire provides good visibility but is a little dazzling. One advantage of the fixture is that it is dimmable from land. By providing spill light back may also provide pedestrian and bike path lighting which is a clear advantage as separate lighting is not needed. The disadvantage is that the light remains on for strong and need to be dimmed down.

Conclusion: The luminaire has worked well in operation and was easy to assemble. However the model under test shines too much and a conclusion of it is to buy into a lower power from the beginning so that the plant does not need to be dimmed down.

Unquote.

The complete Swedish Trafikverket report is available in a PDF file from the Trafikverket website. Section 3.2 details the Trafikverket experience with LED technologies.

<http://publikationswebbutik.vv.se/shopping/ShowItem>



Contact us for a free site survey with one of our technical team who will provide you with a full assessment of your current lighting and a calculation of return investment to enable you to make these cost-effective improvements.

Give us a call now on **01258 858171** and we can arrange for an adviser to get in touch.

Please contact us for further information or visit our website www.lowenergydesigns.com for more case studies and our full product range.

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