LIGHT**POINT.**

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D2 downlights with LED

K9 emergency lighting:
more unobtrusive than ever

LEDs and light control,
a perfect combination

Downlight with LEDs:
the smart choice

ETAP
EXCELLENT LIGHTING, SAVING ENERGY

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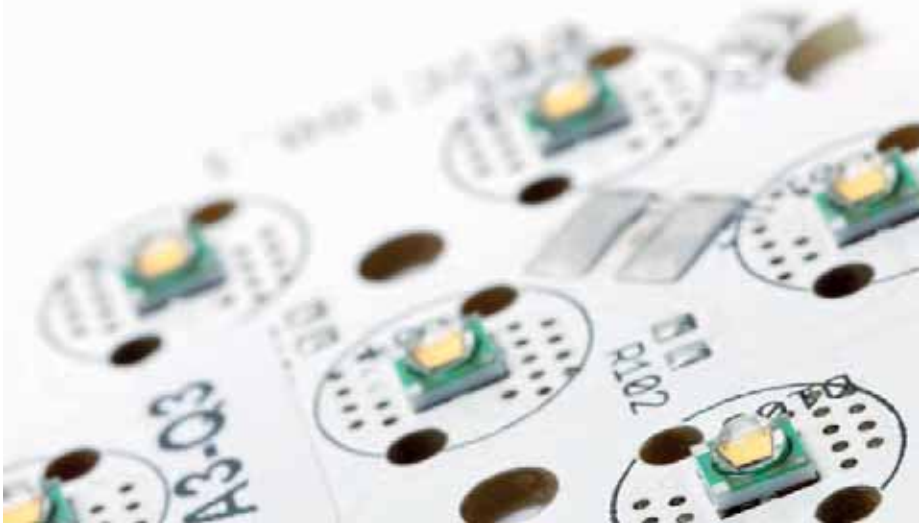
LEDs – how long will it take you to recover the extra cost?

LEDs are the light source of the future, there is no doubt about it. But is it worth replacing your existing installation today? ETAP helps you on your way to correctly assess the cost recovery period.



Calculating the cost recovery period for an LED lighting installation seems simple at first sight. On the one hand, there is the higher upfront cost of LEDs, on the other hand the potential savings thanks to their low power consumption and long service life.

Yet there still are quite a few misconceptions in this regard, since anticipated cost recovery periods are highly variable, depending on the source. Some manufacturers guarantee cost recovery periods ranging from one to three years, whilst sceptics refer to financially unachievable cost recovery periods of ten years or more. In order to ensure a correct calculation, first and foremost, the application and various other factors have to be taken into account.

Number of LEDs determines extra cost

The extra cost of an LED installation, first and foremost, lies in the LED itself. The more LEDs are required in an installation, the higher the extra cost will be compared to traditional solutions. LEDs become rapidly cost effective in applications requiring relatively low light levels, as in emergency lighting. Replacement with LEDs is also quickly worth the cost in spots (e.g., 2.5 years). This is due, among other things, to the high consumption and short service life of halogen lamps, which are traditionally used in these applications. For downlights the cost recovery periods for LED luminaires are also relatively short (3 to 7 years): compact fluorescent lamps are not the most efficient light source, the lumen packets are relatively low and service life is average.

Take the burning hours into account

A second factor to consider is the number of burning hours. The more burning hours, the higher the energy savings and the faster the extra cost of the LEDs will be recovered. This is

Cost recovery period for the renovation of old installations with halogen spots vs. installation with LED spots, for 3,000 burning hours/year and an energy price of € 0.15/kWh.

*Cost recovery period for the renovation of an old installation with downlights (1*26W TC-T) vs. installation with LED downlights, for 3,000 burning hours/year and an energy price of € 0.15/kWh.*

*Cost recovery period for the renovation of an older office lighting installation with fluorescent lamps (2*36W) and a traditional ballast vs. LED installation with U7/R7, for 3,000 burning hours/year and an energy price of € 0.15/kWh.*

often overlooked in simulations. The difference between 8 and 24 hours of lighting a day adds up to several thousands of burning hours per annum, which in this case comes down to a three times shorter cost recovery period.

Their long service life leans strongly in favour of LEDs in applications with a high number of burning hours, since the replacement cost for an installation with fluorescent lighting can quickly add up, in particular in lighting installations at heights or in hard-to-reach places.

Renovation – cost recovered faster than you would think

In calculating cost recovery periods, the existing situation, the so-called baseline, must be taken into account. Whoever owns a recent lighting installation today with efficient luminaires with fluorescent lamps, is looking at a very long cost recovery period when switching to LEDs. But in practice, there are quite a few buildings with lighting installations 20 years and older. The replacement of said installations with an LED solution is in fact cost-effective. In ETAP's experience, we anticipate the cost recovery period to be 5 to 10 years.

In addition, the cost recovery period for LED installations will further decrease in the future, as LEDs increase in efficiency, their cost price drops and energy prices rise. Specialists assume that the efficiency of LEDs still increases by 10 % every year. Yet this should not be a reason to further delay replacement, since a new lighting installation comes with quite a few further advantages such as combined use with light control systems (see page 4-5), improved comfort, etc.

Take all aspects into account

Calculating cost recovery periods and comparing solutions is no easy task. Any choice you make will impact the eventual result. For example, the colour temperature of the LEDs will play an important role in the installation's power consumption. Also keep an eye on the quality of the solutions provided by your supplier. Always ask for the quality record and check, for example, what the extrapolated life expectancy is at actual temperatures in the luminaires. Also check the light studies, as it makes no sense to compare solutions, which are not guaranteed to achieve the required light levels.

Would you like to know what the cost recovery period is for your specific application?
Contact your ETAP advisor, who will be more than happy to assist you.

LEDs and light control, further savings

LEDs are not only an energy-efficient light source; they also work in perfect harmony with light control systems. This combination results in a high savings potential, but also leads to further advantages: LEDs can be dimmed more efficiently than fluorescent lamps and their service life is not shortened by frequent switching.

The most commonly used light control systems are movement dependent controls, which dim or switch the lights when users enter or leave the space, and daylight dependent control, whereby the light is dimmed depending on the amount of daylight the room receives. A combination of both systems can save 55 % energy or more in specific scenarios. Currently one out of six luminaires marketed by ETAP, is equipped with individual daylight dependent control.

Individual, local or central

Light control systems can be applied in several ways. Daylight dependent control and movement detection are often applied to a luminaire, with an integrated sensor that controls the light in one luminaire. But it is also possible for an entire room, whereby all luminaires in a single space are controlled by a central sensor or a compact light control system, such as EasyDim. And it is possible throughout a building, whereby the lighting in the building is controlled by a central system, such as Excellum.

< *The new light control system (ELS) saves approximately 30% more energy.*

U7 with light control system (ELS)

R7 with movement dependent light control (on request)

LED+LENS TECHNOLOGY

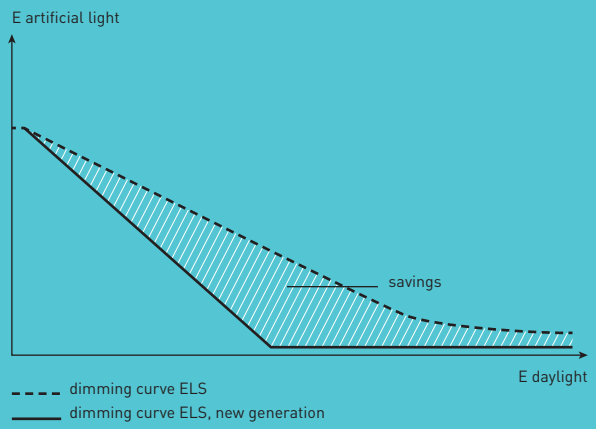
LED+LENS™ with daylight dependent control

Discreet integration guaranteed

You can obviously opt for built-in sensors and light control systems in our new series of luminaires with LED+LENS™ technology. What is more, the new series resulted in the ELS daylight sensor being fully updated.

The new LED luminaires' slimline look represented a major challenge for the developers. The daylight sensors could not interfere with the luminaires' minimalist design. That is why a compact ELS version was developed, which can be discreetly integrated into the luminaire.

At the same time, the developers improved the daylight sensors' performance. As a result it follows the luminosity function curve more closely and precisely, which further increases user comfort. The new sensor is also less temperature-dependent and can therefore be regulated more accurately. Lastly, the updated ELS responds more rapidly and accurately, which leads to further energy savings (see graphic). All these improvements result in no less than 30 % more energy savings.



The new daylight sensor can dim faster and more accurately according to the increasing daylight. As a result the increase in artificial light is limited, thus saving extra energy.

LEDs are less sensitive to switching

LEDs have a number of specific properties that make them particularly suitable for use with light control systems. For example, frequent switching has no impact on the service life of LEDs, in contrast with fluorescent lamps, where a small portion of the emitter material in the lamp is lost each time it is switched on. A symptom of emitter loss can be visual as it causes end-blackening. In spaces with a relatively short presence –just think of lavatories, for example or corridors –we see that the replacement frequency for fluorescent lamps quickly adds up.

LEDs do not have that problem, since an LED is an electronic component, which is not sensitive to frequent switching. Furthermore LEDs immediately respond with full luminous flux when switched on, which increases user comfort upon entering the space.

LEDs respond faster

Electronic switching has a second advantage, since LEDs not only respond fast when switched on, but also after any change in supply, which implies that they dim more smoothly and precisely. Fluorescent lamps react more slowly, especially when they are cold.

Kardó with multisensor (on request)

[further information: www.etaplighting.com]
downloads > brochures > Integrated light controls

K9 emergency lighting

More discreet than ever

K9 has been proving for years that emergency lighting and aesthetics can go hand-in-hand. Thanks to stylish design and absolute top performance, the series has grown into a true benchmark. But (LED) technology never stands still and therefore ETAP now launches a fully renovated version of this successful series. The basic concept was not altered - quality, unobtrusiveness and performance, are more than ever at the centre.

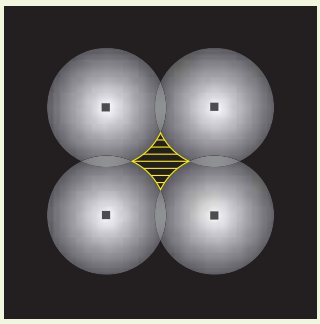
When K9 was launched – nearly 10 years ago now – it attracted a lot of attention. It was one of the first emergency lighting series equipped with LEDs, which guaranteed energy efficiency, reliability and durability. But the high quality of the finish and the discreet, stylish design were also seldom seen in emergency lighting.

Eye for detail

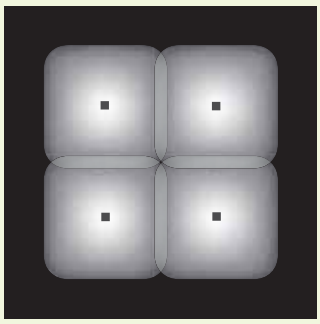
With the new K9 ETAP continues its momentum. What strikes you immediately is the simplicity and purity of the new design. A compact lens – which shields the LED – in what is a perfectly minimalist housing, there is no need for more. K9 is therefore more discreet than ever.

Those with an eye for detail will notice that the housing is now devoid of screws and that the lens is fully countersunk. The housing itself is 2 mm lower than the previous

K9



K9 NEW GENERATION



A scoop: the new anti-panic lens creates a practically square light distribution, thus preventing blind spots and improving safety.

A compact lens in a perfectly minimalist housing – K9 looks more discreet than ever.

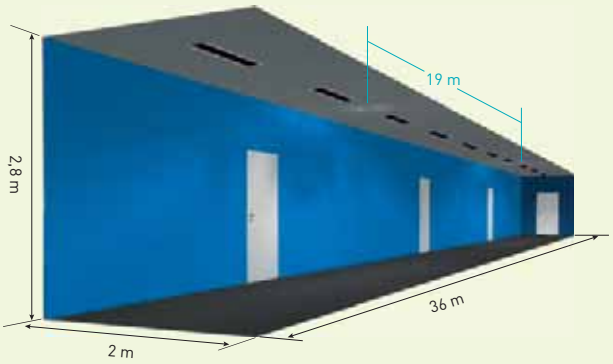
model, which makes the unit more compact. Lastly, attention was also paid to the self-test indicator LED, which became smaller and more unobtrusive.

Square light distribution

The new K9 once again sets the tone, also in terms of performance. For example, we developed a special anti-panic lens, which results in a nearly square light beam, allowing for the spaces to be lit without blind spots, resulting in increased safety.

The new lenses further increase the efficiency of the K9 luminaires. For example, escape route and anti-panic versions can now be installed up to 5 metres high, as opposed to 3.5 m for the previous version. Intermediate distances for escape route lighting have increased, up to 19 m for a mounting height of 2.8 m.

In short, the new K9 remains true to the principles that made the K9 series a success: top performance packaged in a stylish, discreet design.



Series overview

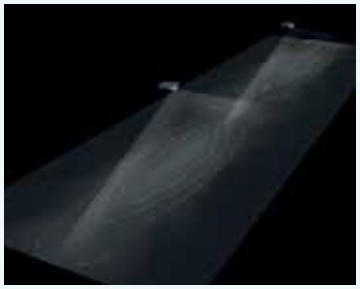
Mounting options and colours

Surface-mounted, not painted

Recessed square, aluminium white

Recessed round, white

Applications



Escape route

Anti-panic

[more info: www.etaplighting.com]

K2 emergency lighting

Full and water-resistant range with LEDs

ETAP launches LED versions for all emergency lighting luminaires in the K2 series, currently offering a complete LED range for water- and dust-proof emergency lighting (IP65) in industrial environments and public spaces. With a lot of savings potential – LEDs not only reduce the energy bill, but also maintenance costs.

The K2 series with LED is suitable for public places such as car parks.

For anti-panic and escape route lighting luminaires, the LED has been combined with a sophisticated lens.

Dust- and water-proof

K2 is a series of robust emergency lighting luminaires for indoor and outdoor applications in industrial environments and public places, such as railway stations and car parks. The luminaires are not only dust- and water-proof (IP65), they area also impact-resistant (IK10). The K2 series provides solutions for, among others, anti-panic lighting, escape route lighting, final exit door lighting and single-sided and double-sided luminaire signs. As regards installation options, you can choose from surface-mounted, recessed, suspension and square wall mounted luminaires.

Requires less maintenance

All luminaires in the series are now available in LED version. The introduction of LED technology offers various advantages in the typical K2 series application areas. Thanks to the long expected service life of LEDs – 10 years on average – and their high reliability, maintenance is reduced to an absolute minimum on K2 luminaires, which is nothing to be sneezed at in industrial environments, where replacement is not always easy – in some cases it even brings production to a halt.

High savings potential

Due to their energy-efficiency, LED versions offer quite a lot of energy savings potential, especially when the emergency luminaires need to be on permanently. ETAP combines the LEDs with well-thought-out optics, for anti-panic and escape route lighting as well as for signs. As a result fewer luminaires are required in order to satisfy legally imposed light levels, which also reduces the initial investment cost in addition to power consumption.

The K2 series with LEDs also provides a solution for final exit door lighting.

[more info: www.etaplighting.com]

R8 – even more attractive with LEDs

The exclusive R8 design allows for multiple options when it comes to decorating the most diverse spaces in a unique manner. ETAP now launches an LED version, which, in addition to energy-efficiency and service life, offers yet another significant advantage, i.e., diffusers that are even more attractively and evenly illuminated over their entire length.

R8 with LED – perfectly evenly illuminated across the entire length.

The R8 is a tubular diffuser luminaire for diverse architectural applications. The unique design has served as an inspiration for many creative souls to decorate spaces in an original and playful manner –show-rooms, reception rooms, offices, conference rooms, libraries and corridors.

Perfect illumination

ETAP is now also marketing an LED version of the R8. In addition to improved energy-efficiency (up to 88 lm/W) and longer service life (25,000 burning hours with a maintenance factor of 80 % and 50,000 hours with 72 %), it also offers a number of specific advantages. The LEDs ensure even and homogeneous illumination over the entire length of the luminaire tube. Low-power LEDs were chosen in order to illuminate the diffuser evenly.

Lastly, LEDs provide greater stability when dimmed and respond with immediate full luminous flux.

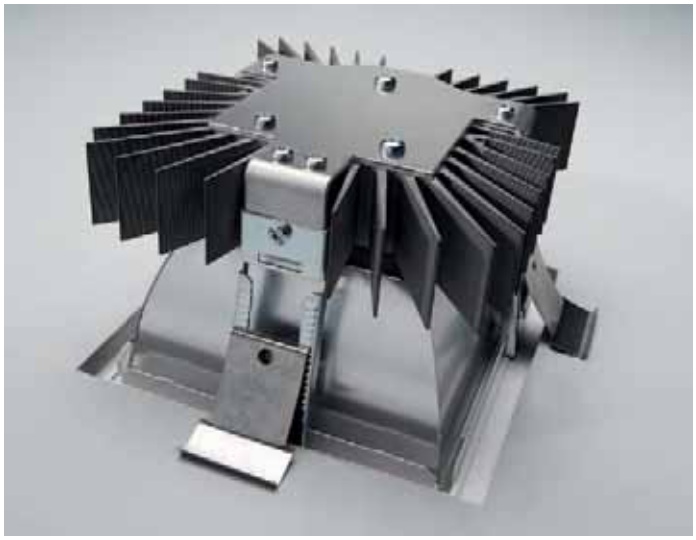
Playing with lengths

The R8 with LED is available in three lengths: 600, 1200 and 1500 mm. The short version represents an attractive addition to the R8 range. The combination of lengths offers quite a few creative possibilities.

In order to evenly illuminate the diffuser, the R8 was fitted with low-power LEDs.

[more info: www.etaplighting.com]

Downlights with LEDs, the smart choice



The cooling body and the thermal foil ensure optimal cooling of the LEDs.

LED downlights are slowly conquering the market. ETAP capitalises on this trend and complements its range with LED versions of the round D2 surface-mounted downlights and the square D3 recessed downlights. The reflector and the thermal design represented the greatest challenge for the designers. The result is wide-angle light distribution, excellent luminance management and optimal cooling of the LEDs.

Extra cost quickly recovered

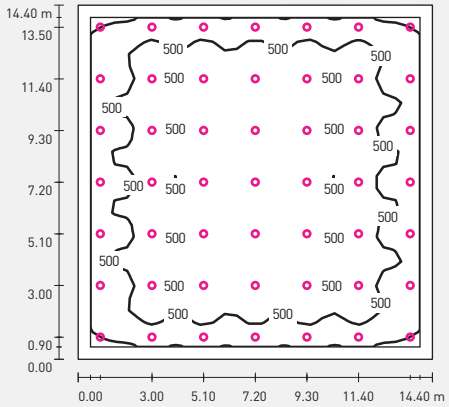
LEDs increasingly appear to be the right choice as a light source for downlights. First and foremost, there is obviously the power consumption, which is considerably lower than the, often inefficient – compact fluorescent lamps with which most downlights are still fitted today. As a result the extra cost of the LED version is recovered fairly quickly, especially when replacement cost and maintenance are taken into account.

Downlights are furthermore fitted with presence detection and dimmers in quite a few applications – just think of sanitary facilities and corridors. Here too, LEDs offer considerable advantages. Once switched on they immediately provide full luminous flux, they can be dimmed more efficiently and are nearly impervious to frequent switching. This too plays an important role in the successful combination of LEDs and downlights.

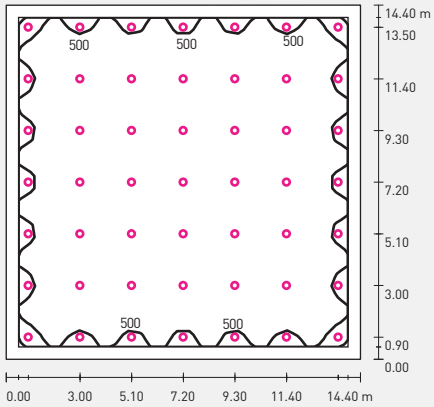
Cooling: a challenge

With the integration of LED technology into downlights, designers face a number of major challenges. LEDs operate optimally when they are adequately cooled, which is certainly not obvious in downlights. The LEDs sit close together and the surface to be cooled is small. That is why we developed a unique heat sink for the LED versions of our downlights and placed a special thermal foil between the printed circuit board and the heat sink, which ensures optimal heat dissipation.

office, downlights with fluorescent lamp
(D12/T226HFW)



office, LED downlights
(D13/LEDN30)



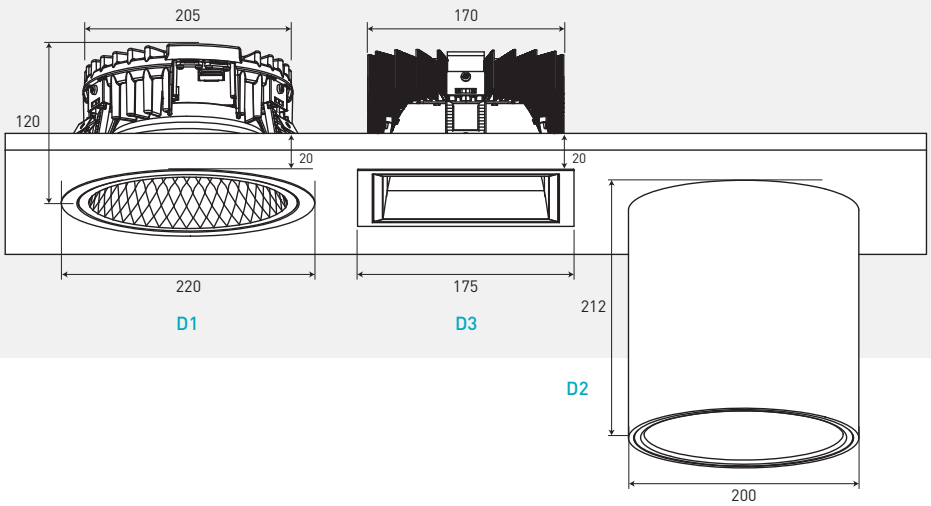
This leads to long service life and high efficiency for the LEDs. We even go one step further for the D2 surface-mounted downlights, since driver and LED module are installed in a closed housing. The adjusted construction and aluminium housing maximises heat dissipation. Furthermore, the aluminium housing gives the LED version of the D2 an even more minimalist and elegant look.

Adjusted light distribution

In addition to cooling, light distribution also requires special attention. LEDs operate completely differently from fluorescent lamps as a light source. In order to achieve even light distribution, the reflector for the LED versions was completely redesigned. The new, wide-angle reflector not only limits the number of downlights required to illuminate the space, but also prevents glare from the bright LED lights, which results in UGR values between 19 and 22.

In addition to the LED versions of the D2 and D3* downlights, ETAP will also market a second-generation version of the D1 LED downlight, which is 13 % more energy-efficient thanks to a new LED module. With this new version ETAP capitalises on fast growing LED technology.

** D3 with LED will be available as of spring 2013.*



< *HIGHER EFFICIENCY*
Power consumption for downlights with LEDs is a lot lower than that of fluorescent versions. We made a calculation for a 207-m² office with 49 D1 downlights. Whilst the fluorescent version still consumes 2.50 W/m²/100 lx, this drops to 1.78 W/m²/100 lx for the D1 with LEDs. A 28% saving!

D1 LED with specular reflector

D2 LED with specular reflector

D3 LED with satin-anodised reflector

[more info: www.etaplighting.com]
downloads > brochures > Luxial

Light line systems E5

Efficient and comfortable lighting for large spaces

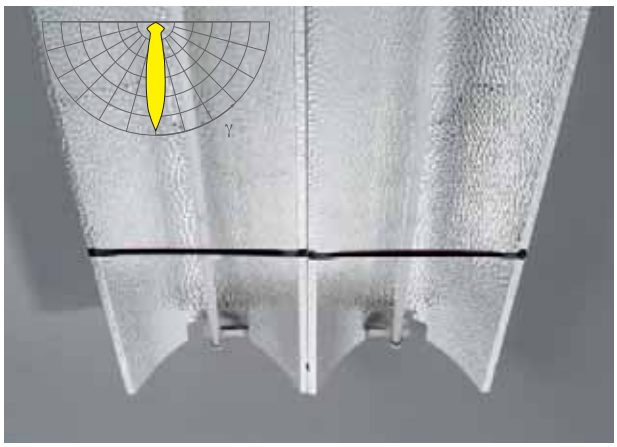
ETAP further expands its E5 range for large spaces with a series of new reflectors and an extra, longer profile. All luminaires come with T5 eco-lamps as standard. These adjustments make the E5 series more energy-efficient and versatile than ever.

The E5 series for the lighting of large areas is more energy efficient and versatile than ever.

The E5 series is a valuable asset within the ETAP range. The luminaires were specifically developed for the lighting of large spaces such as workshops, warehouses, sports halls and shopping centres. They are available in suspended and surface-mounted versions and can be installed individually or in line. With the extensive range and flexible concept there is a solution for any type of space. Until recently ETAP had deployed the E3 range for similar applications, which still used T8 lamps. This range is being completely replaced by the E5 series.

Eco-lamps as standard

Energy-efficiency was obviously high on the agenda in the renovation of the E5 series. For example, all luminaires come with T5 eco-lamps as standard, which save up to 10 % energy compared to the traditional T5 lamps. The designers also took a close look at other energy-saving aspects. For example, the white baffles for the E522 and E562 are now treated with high-reflection paint, resulting in a 6 % increase in output.



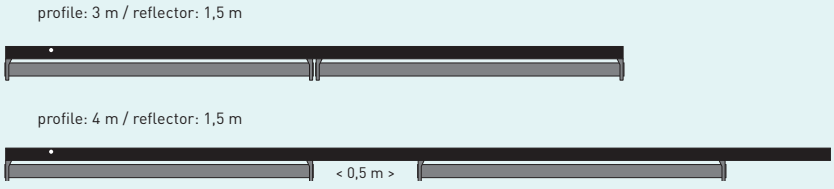
E53 with 2 x 80 W is now also available with a double reflector, which increases the light level on the floor by 20 to 40 %.

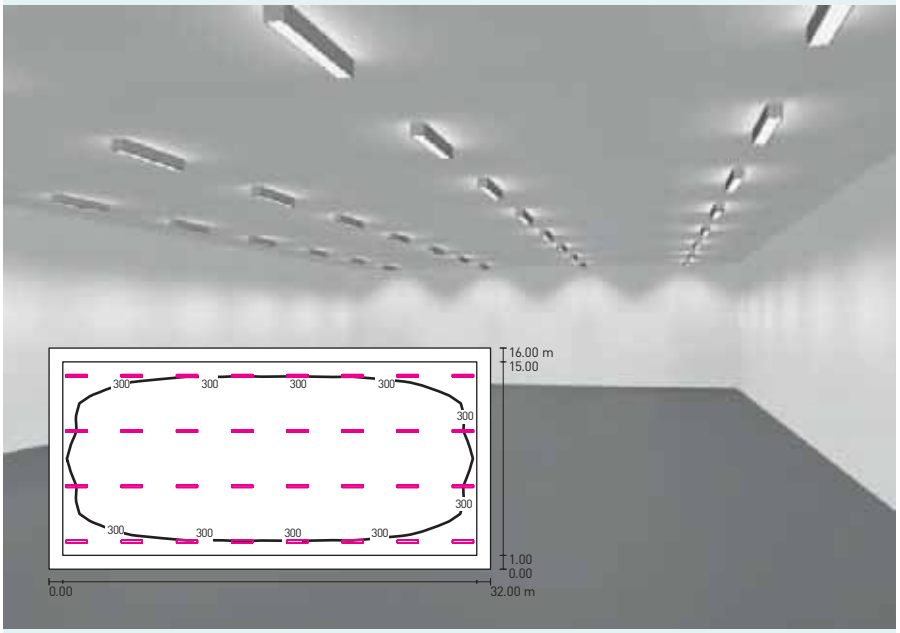
Low and high warehouses

ETAP also developed a series of new reflectors for the E5, which provide adjusted light distribution in a number of specific applications. For example, the E53 is now available with a double reflector or an aluminium specular reflector, which increases the lighting level on the floor. For warehouses with low ceilings there is the new E54 reflector, which provides higher vertical luminous intensity on the racks.

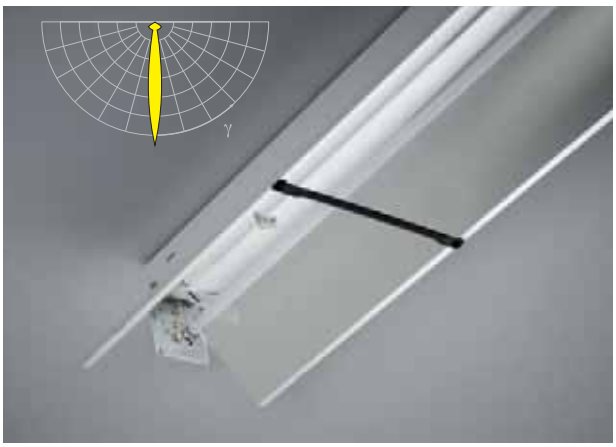
Longer version

Lastly, the basic profile of the E5 lines will be available from now on in a longer 4-metre version, in addition to the existing 3-metre version. As a result we are able to further optimise the interdistance, which reduces the number of luminaires and limits the number of mounting points.





Thanks to the longer 4-metre profile we are able to optimise interdistances between the E5 luminaires. We conducted a test for a hall measuring 32 by 16 metres. 32 luminaires, each with two 32W eco-lamps are sufficient to illuminate the entire hall. The specific power remains limited to 1.40 W/m²/100 lx. In addition, since we need 25 % less mounting points, the installation cost decreases.



Apart from the hammered reflector, the E53 series is now also available with an aluminium specular reflector, resulting in an increased light level on the floor.

For low storerooms we developed a new reflector (E54) for improved vertical illumination on the shelves.

[meer info: www.etaplighting.com]

EXCELLENT LIGHTING
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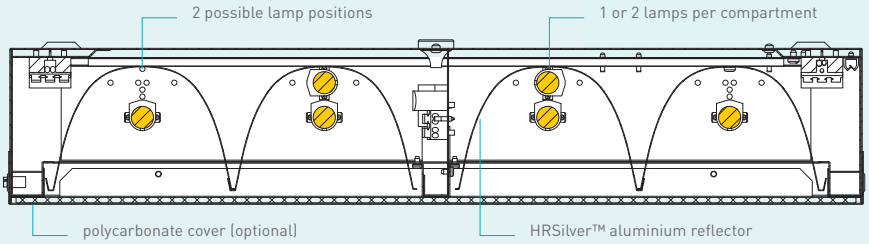
E8 – high-level lighting

With the E8, ETAP adds a solution for lighting spaces with high ceilings to its range of industrial luminaires. So-called Highbay lighting is primarily used in large halls where high light levels are important. ETAP focuses on energy-efficiency and reliability, among others.



Highbay lighting can typically be found in large spaces with high ceilings – 20 metres or more is the norm – where high light quality (luminous intensity between 300 and 500 lux) and good colour rendering matter. Typical applications include, among others, industrial production and assembly halls where precision and safety play an important role – think of the aviation industry, etc. But sports centres and stock exchange halls are also often fitted with this lighting.

Efficient and hard-wearing

E8 luminaires use energy-efficient T5-fluorescent lamps with amalgam technology. These luminaires offer very high efficiency and long life (20,000 hours) in spite of the high temperatures that may occur in high bay luminaires. The ballasts were also specifically selected with sustainability in mind.

Large and high-ceilinged halls where E8-luminaires are used are often built with large windows. Up to 60 % energy can be saved with the light control system. The series can also be combined with emergency lighting.

Adjusted to the space

Customers can choose from several powers: versions are available with 4, 6 or 8 x 80 W. Thanks to the various lamp positions, the light distribution can also be adjusted to the space. In this way you will achieve the desired light level with the fewest possible luminaires.

Lastly, ETAP offers a number of extras at the customer's request. For example, we can provide an additional cover plate, which acts as protection in sports halls, but also makes cleaning easier. E8 is available in surface-mounted and suspension luminaires. The suspended version can be installed with 2 or 4 suspension points.

Example: a high room of 50 x 100 m with 50 E8 luminaires (8 x 80 W) with a specific power of 2.2 W/m²/100 lux and an illuminance of 300 lux.

[more info: www.etaplighting.com]

EXCELLENT LIGHTING
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Eco-lamps – the new standard

LEDs may be omnipresent, but ETAP also continues to closely monitor developments in other lighting technologies. Thus, we are systematically replacing conventional T5 fluorescent lamps with T5 eco-lamps. The latter consume 10 % less energy. Our tests show them to be at least as stable and reliable as the existing T5 lamps.

Eco-lamps consume 10% less energy.

The so-called eco-lamps are an improved version of the conventional fluorescent lamps. They have the same length as the standard lamps and use the same ballasts, allowing for easy replacement. Eco-lamps are easily identifiable by their green ends.

Reduced consumption, less mercury

The real difference is, of course, on the inside. The T5 eco-lamps consume about 10 % less energy than do the most efficient T5 lamps available in the market. They achieve an efficiency of 114 lm/W, whereas the most efficient T5 lamps manage only 104 lm/W. They provide a comparable luminous flux, but at a lower installed power.

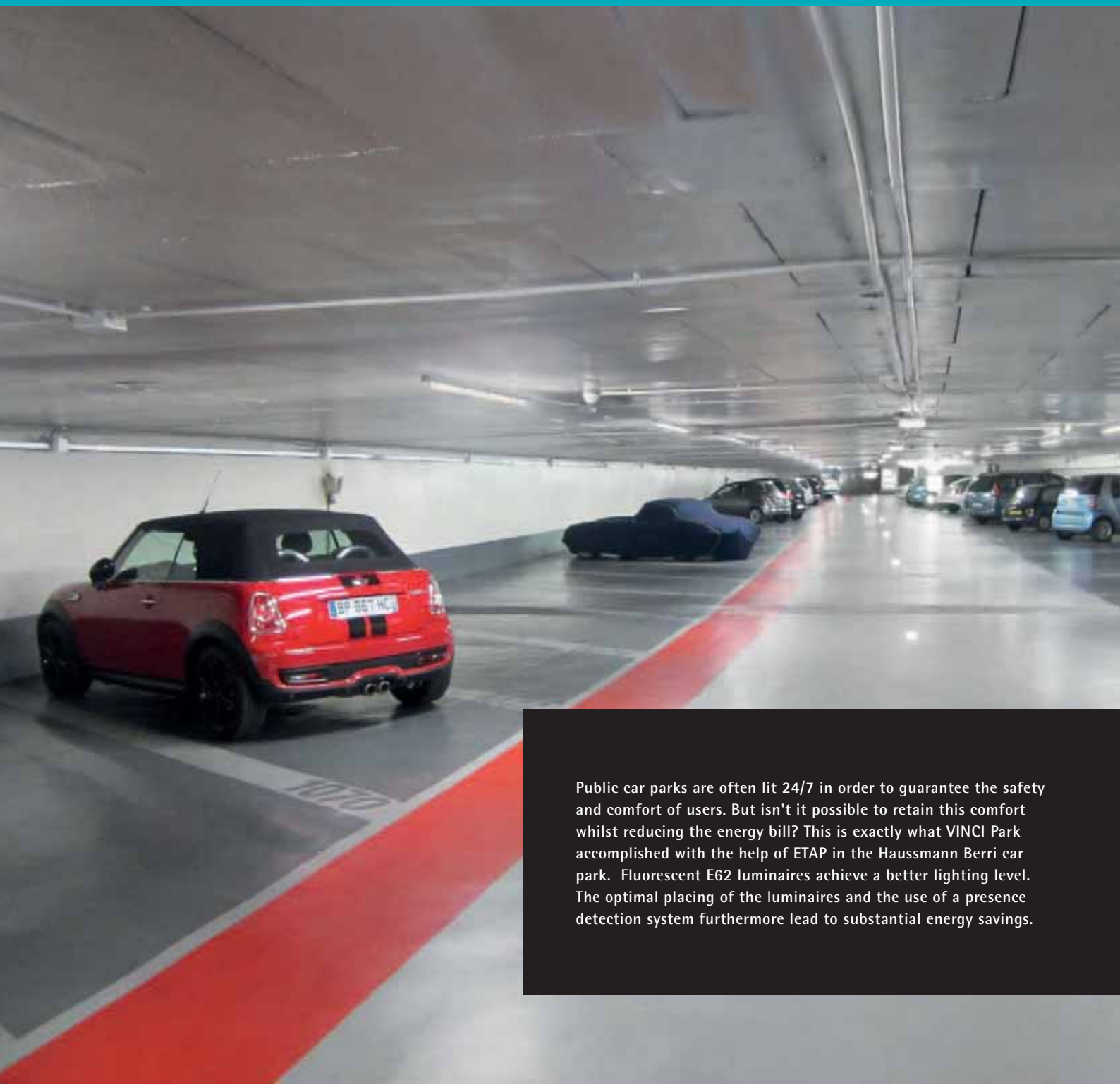
Stability confirmed by tests

ETAP has subjected the eco-lamps to prolonged testing to assess their light stability under the influence of air movement and temperature fluctuations. The T5 eco-lamps were found to perform just as well as conventional T5 lamps, even with regular switching and dimming.
Consequently, we have given the green light for their inclusion as standard equipment in our product range, starting with the R6 series. In the meantime, also the other series are available with T5 eco-lamps.

	Standard T5		T5 eco	
	lamp type	lm/W lamp @ 35°C	lamp type	lm/W lamp @ 35°C
High Efficiency	14	99	13	108
	28	104	25	114
	35	105	32	114
High Output	24	89	20	98
	54	93	50	102
	49	99	45	109
	80	88	73	95

Full renovation of car park lighting

Visual comfort, energy savings



Public car parks are often lit 24/7 in order to guarantee the safety and comfort of users. But isn't it possible to retain this comfort whilst reducing the energy bill? This is exactly what VINCI Park accomplished with the help of ETAP in the Haussmann Berri car park. Fluorescent E62 luminaires achieve a better lighting level. The optimal placing of the luminaires and the use of a presence detection system furthermore lead to substantial energy savings.

< Despite the lower number of luminaires, the illumination was increased by over 40 lux.

VINCI Park is the European parking leader and one of the top world players in the sector. The Haussman Berri car park, located near the Champs-Elysées, in Paris, boasts 1306 parking spaces on two levels. "Since the car park is open day and night, the lights were switched on permanently," points out Philippe Deval, VINCI Park technical operations manager. "With a view to saving energy, we wanted to rationalise lighting and, at the same time, improve the lighting level."

Automation of the lighting system by means of presence detection

Traffic in a car park is intermittent. It is therefore not essential that the lights be on 24/7, which is why ETAP recommended that VINCI Park install a presence detection system coupled with automatic lighting control. This system is based on the DALI (Digital Addressable Lighting Interface). Presence detectors are installed at each pedestrian and vehicle access point.

With this system, the lights will be automatically switched on whenever a vehicle or pedestrian passes. ETAP experts handled the programming of the detection system: after two minutes without movement, lighting decreases by 50 %. After a further two minutes, the lights go into standby mode, at 20 % of their power. "In this way our customers benefit from an optimal lighting level under all circumstances without us having to illuminate the car park 24/7," stresses Philippe Deval. "This allows us to make a significant energy saving, mainly at night, without affecting our level of service. "

Improvement in visual comfort

Prior to the installation, ETAP had completed a detailed lighting study in order to determine the optimal location of the luminaires and to provide the required lighting levels. This study has allowed to reduce the total number of luminaires whilst changing illuminence on the ground to more than 40 lux. ETAP suggested that VINCI Park install 49W fluorescent E62 luminaires, which improve the illuminance level compared to the old luminaires. Their flat photometry generates better horizontal light distribution. "The more uniform and homogeneous lighting provides great visual comfort to our customers," adds Philippe Deval.

"The better lighting quality also increases the feeling of safety. The new luminaires in fact improve vertical lighting, in compliance with recommendations under standard EN 12464-1, which translates into the improved lighting of faces, and consequently, a more secure feeling among pedestrians and motorists using the car park."

Thanks to the occupancy sensors the lights do not need to stay on continuously.

Power consumption greatly reduced

The solution implemented allowed to considerably reduce power consumption in the car park. The performance of the new luminaires in fact requires 25 % less power, compared to the previously installed luminaires. This is added to the savings achieved thanks to the presence detection system. The initial measures are highly encouraging and allow to anticipate major savings.

VINCI Park has already requested the study of the lighting renovation in four further car parks.

PROJECT SHEET

- 400 fluorescents E62 149 HFD luminaires
- Presence detectors

GreenLight Awards 2012

ETAP customers win awards

During the presentation of the GreenLight Awards at Light+Building 2012, ETAP customers received four of the eight awards. Among the lucky ones were Telenet (Belgium), Decathlon (Roumania), the city of Lille (France) and the Vrije Middenschool Zonhoven (Belgium).

GreenLight is an initiative of the European Commission, which aims to promote energy-efficient lighting. There is a considerable amount of energy lost through inefficient and outdated lighting systems, or through unnecessary use of lighting. The Commission wants to change this.

Voluntary commitment, high visibility

Companies and organisations that voluntarily commit to an energy-saving lighting project can enter the GreenLight programme. They may then call themselves GreenLight Partners and use the GreenLight logo in their communications, which will provide them with a lot of visibility.

Suppliers of lighting solutions can also be involved in the programme. They act as GreenLight Endorsers and convince their customers to become a GreenLight Partner. ETAP may even call itself the Main Endorser, since we bring in dozens of Partners each year.

Exceptional projects awarded

Each year, participating companies and organisations have a chance to win a GreenLight Award. With this award the European Commission rewards lighting projects that received an exceptional score for energy conservation. The last presentation of the awards took place during the international Light+Building exhibition in Frankfurt. Of the eight awards, four went to ETAP customers. A nice reward for the efforts of our customers and ETAP for delivering more sustainable lighting.

And the winners are...

Four ETAP customers received a GreenLight Award:

- Telenet Group Holding, Belgium (in the category Service and Office Space)
- Decathlon, Romania (in the category Retail and Supermarkets)
- Mairie de Lille, France (in the category Public Buildings)
- Vrije Middenschool Zonhoven, Belgium (in the category Public Buildings)

Two of the winning companies were ETAP clients Vrije Middelschool Zonhoven (above) and Telenet (beneath).

COMMUNICATING WITH RESIDENTS

"The GreenLight Award is a great reward for our efforts," states Philippe Tostain, responsible for energy and environment for the city of Lille. "With lighting projects in 15 schools and 6 sports centres we were able to save 60 to 80% energy on our lighting each time. This is something we obviously want to share with our city's residents. That is why we provided a display with the GreenLight logo in the relevant schools and sports centres, together with further explanations about the project."

The GreenLight certificate is handed over by Juan Alcáraz (ETAP Spain) to: Mr. Antonio Saez, Director Corporate Administration of Bayer Spain (left picture), Mr. Miguel Angel Rodriguez, Quality Manager, and Mr. José Mª Alvarez, Plant Manager of Bitron (right picture).

New GreenLight Partners

Not only the presentation of the GreenLight Awards was a success, but we were also able to welcome many new partners. In the past few months, the following ETAP customers have been awarded the GreenLight certificate:

- Bayer Hispánia SL (Spain)
- BITRON INDUSTRIE ESPANA, S.A. (Spain)
- Clextral (France)
- CPAM de l'Artois (France)
- DECEUNINCK (France)
- ECM Technologies (France)
- EMFB Arquitectura y Construction S.L. (Spain)
- Nerco (France)
- SSM System Service Marketing GmbH (Germany)
- Ville de Villeneuve d'Ascq (France)

Do you also want to give more visibility to your energy-saving measures? Contact your ETAP adviser, we will be glad to assist you in becoming a GreenLight Partner.

[more info: www.etaplighting.com]
Brochure: downloads > brochures > GreenLight
website: www.eu-greenlight.org

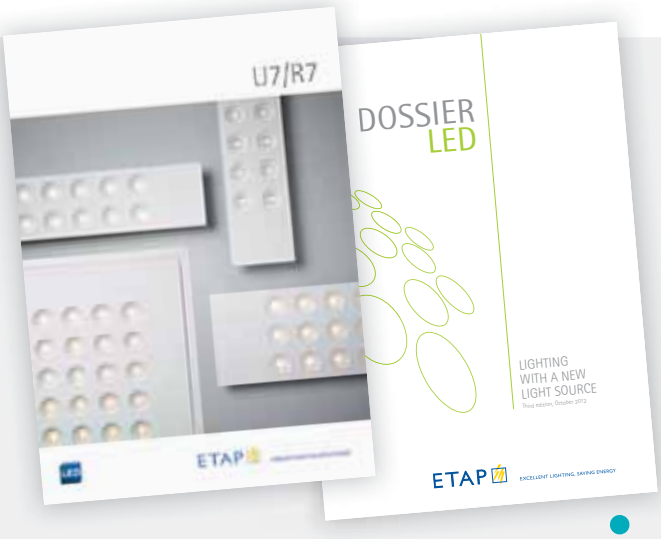
ETAP informs

BROCHURE U7/R7

Our new LED luminaires for general lighting have already been extensively covered in the latest issues of Lightpoint. The brochure on the U7 and R7 luminaires is now also available. It includes not only all technical specifications and an overview of the range, but also illustrates the various applications.

LED DOSSIER UPDATE

It's almost becoming a tradition. LED technology changes at such a pace that an update of our LED dossier is published at regular intervals. So what can you expect this time? Obviously, all information has been brought up-to-date, but there are also completely new chapters on the quality of LEDs, their (photobiological) safety, and the latest developments in the field of the so-called OLEDs. Plenty of food for thought!



All publications are available at our website.
For a hard copy, please contact your ETAP adviser.

STIB: maximum safety guaranteed

The Brussels public transport company STIB systematically updates its emergency lighting in the underground stations and in its technical depots. The underground infrastructure used by the STIB is owned by Brussels Mobility, the administration of the Brussels Capital Region. The new LED emergency lighting is much more reliable and hence safer. The icing on the cake is the ETAP Safety Manager system. "We have a full overview over the good operation of the emergency lighting at all times," states engineer Eric Descamps of the Special BUV R&D department (Equipment and Transport Administration).

The platforms are equipped with K9 emergency lighting. The luminaires have been discreetly incorporated into the light lines.

In addition to tram and bus lines, the STIB operates four metro lines in Brussels for a total of 71 underground stations. In addition the company runs a large number of technical depots for the storage of equipment, spare parts and machinery. "Safety is critical in all these spaces," according to Eric Descamps. "For example, during power failures it is essential to sufficiently light the escape routes in the stations in order to evacuate passengers."

Safer and cheaper

The emergency lighting installations used to work on central batteries with inverter, which could control the general lighting during power failures in emergency mode. "That system worked well," states Descamps, "but it was expensive in its installation and maintenance and it constantly used power." That is why BUV is gradually replacing the system with separate emergency lighting luminaires with energy-efficient LEDs and their own battery. Descamps sums up the advantages: "The platforms are now fitted with K9 emergency lighting. These luminaires only work during emergencies and use little energy. Since they have their own battery no expensive fire-resistant supply cables are required. And the luminaires are installed in such a way that they perfectly illuminate the escape routes." The platforms are furthermore equipped with K9 signage luminaires. The technical spaces under the platforms were fitted with waterproof, dustproof and impact-resistant K2 luminaires.

Emergency lighting from the robust K2 series was used for the space under the platforms.

100% reliable at all times

Lastly, the luminaires are connected to the ETAP Safety Manager (ESM), which is linked to the STIB LAN network. In this way, the status of all luminaires can be monitored at all times. "We currently monitor the safety of the installation from a central PC," Descamps clarifies. "For example, we perform the legally required battery tests. In addition, ESM automatically reports any defect on the battery or lamp, which prevents expensive inspection rounds and ensures that we can check at any time whether all luminaires are operational. Furthermore the program provides us with the necessary reports for the safety inspection at the press of a button."

The design also matters

Brussels metro stations house a few actual works of art. "Each station was inspired by a specific architectural or cultural theme," Descamps explains. "For example traces can be found of big names such as Alechinsky, Folon, Delvaux, Hergé or Horta, among others. It was important to us to find technologies that went with these artistic designs. Also in this respect, the discreet K9 luminaires were highly suitable."

ETAP
EXCELLENT LIGHTING, SAVING ENERGY

ETAP Lighting
Progress Business Centre, Whittle Park Way,
Slough, Berkshire SL1 6DQ, U.K.
Tel. +44 (0)1628559650
Fax +44 (0)1628559012
enquiries@etaplighting.com
www.etaplighting.com

ETAP Export Department
Antwerpsesteenweg 130
B-2390 Malle - BELGIUM
Tel. +32 (0)3 310 02 11
Fax +32 (0)3 311 61 42
export@etaplighting.com
www.etaplighting.com

ETAP U.A.E.
Dubai International Academic City, Block 3
Office 114, 1st floor, PO BOX 345014 Dubai, UAE
Tel. +971 (0)4 434 7364
Fax +971 (0)4 437 0378
export@etaplighting.com
www.etaplighting.com

8028757-20E/24