



TECH

QUARTERLY

educational and expert journal of M-TECH

2ND QUARTER 2021



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Dear Employees and Partners!

We are putting into your hands a compressed knowledge of M-TECH's activities in the second quarter of 2021.

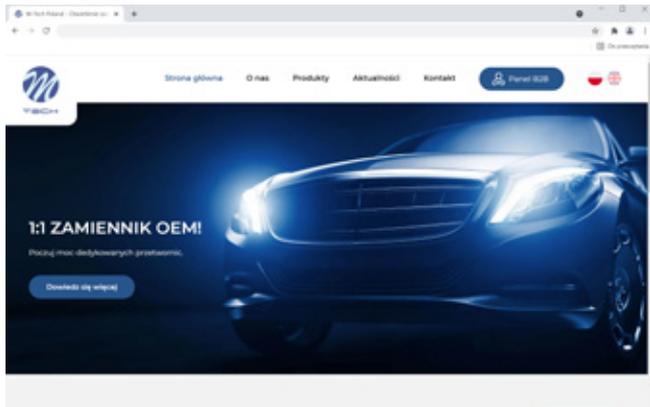
Here You will find knowledge about automotive lighting, expert articles and product news as well as many inspirations!

We hope that our publication will appeal to you and bring you closer to the heart of our company.

In M-TECH quarterly we educate, inform and motivate!

Enjoy your reading!

M-Tech Marketing Team



NEW WEBSITE!

Thanks to the consistently implemented strategic assumptions, careful listening to the needs of our customers and the selection of appropriate Partners, we have planned the design of a new website combined with a B2B purchasing and information platform.

Soon we will present the quintessence of modern solutions on the website: www.m-tech.pl

- the most up-to-date product information
- educational content and industry news
- technological novelties
- current company events
- full presentation of the company
- regular information about the company and events in the automotive segment
- marketing materials and instructions for download
- constant access to current publications in trade magazines.



CONTEST!

Thank you for your great interest and the materials you submitted! Stay tuned!

More contests are coming soon!



photo 1st place



photo 2nd place



... IN FRANKFURT

As creators of new lighting solutions, we place great emphasis on participating in the most important business events of the automotive aftermarket industry. Therefore, while we hope that 2021 will foster positive change, enabling the building of business relationships and mutual trust, we believe that ahead of us is a time full of challenges related to the presence at industry trade fairs.

So far, some of the trade fairs have been permanently written into our calendar where we try to regularly present our products: Automechanika Frankfurt, Equip'auto Paris, Motortec Automechanika Madrid, Autopromotec Bologna, Aapex Las Vegas, or Automec São Paulo. There is also no shortage of destinations we visit to meet face-to-face and build lasting business relationships behind the scenes at trade shows: Automechanika Dubai, INA PAACE Automechanika Mexico, Automechanika Johannesburg, MIMS Automechanika Moscow, Auto Aftermarket Expo Melbourne, Automotive Engineering Show Birmingham, Automessen Oslo or Automechanika Shanghai.



This year we will have the pleasure to participate in Automechanika Frankfurt on **14-16 September**. Already now we invite you to visit our stand. And since the trade fair industry is just getting back into the swing of things we hope to have more information soon.





CZYMANOWO RALLY

photo Adam Szymikowski Fotografia

Marketing support for our Partners!

Our goal for 2021 is to provide indirect business consulting, which is possible thanks to our specialized consultants who will not only suggest the best products from the business point of view, but also provide marketing support. We propose effective and creative solutions. We provide materials supporting sales - leaflets, posters, banners, professional pictures and product descriptions. We present the concept and ways to implement the idea and support by sending products for promotion.

We care about achieving common success, let's create something unique together!



photo Adam Szymikowski Fotografia



photo Lajt24



photo. Lajt24



photo Klaudia Schroeder



Thanks to the personal protection resources we have collected in the medical segment, we are able to support those most in need.

We have decided to supply the most exposed units with high quality FFP2 face protection masks.

The aim of the action is to help people who are particularly at risk of coronavirus infection, therefore in the first place our products were delivered to hospitals, ambulance services, police, fire department, Voluntary Water Rescue or Polish Red Cross.

By supporting local facilities, we act according to the principle "Together against COVID-19! Together we can do more!"



Ochotnicza Straż Pożarna w Osowie
ul. Szkolna 5, 83-440 Osowo
NIP 591-15-79-289 REGON 192581947

PODZIĘKOWANIE

dla firmy



za okazane wsparcie rzeczowe na rzecz
Ochotniczej Straży Pożarnej w Osowie.

Z wyrazami uznania
V-ce Prezes Naczelnik OSP Osowo

Osowo, 24.05.2021 r.



HOW TO CHOOSE THE PROPER LED RETROFIT (LED SETS)?

Expert comment



Burning out bulbs is a common problem for many drivers. This is why LED retrofits are becoming increasingly popular on the market. In short - retrofits are equivalents of halogen bulbs, in which the filament and glass bulb have been replaced by a more efficient LED. Leaving the cap fixed, as well as similar shape, allow to mount them directly in the factory headlights. Manufacturers of LED retrofit are introducing more and more new solutions in this segment. They are much more durable than traditional bulbs and at the same time provide a modern look.

It is worth emphasising that LED technology has many advantages and greater possibilities than traditional incandescent lighting.

Below I will try to answer the question of what features should be taken into account when choosing this type of solution.

The most important factors in choosing LED retrofits are light efficiency, size and type of cooling. This has been known for a long time by the best automotive manufacturers, in whose offer retrofits occupy an increasingly important place.

Firstly, the luminous flux...

The most important feature to pay attention to when choosing LED retrofits as a replacement for traditional lighting are the light sources used, which have a direct impact on the luminous flux. Until recently, the main source of light was a tungsten filament bulb. Currently, on the roads we can increasingly see cars equipped with xenon and LED lighting, which is characterised by much better performance, which directly affects the safety of driving.

Three basic LED sources for retrofits can be distinguished: COB, SMD and CSP. Leading manufacturers have long turned to SMD and CSP technology, which allows to obtain the best efficiency from 1W, giving a significant advantage over other solutions. LED retrofits, which use branded diodes used in OEM (HP - High Power) production, slowly start to appear on the market. Thanks to such a solution, we can obtain a much stronger luminous flux and a guarantee of the highest quality and longevity.

The placement of the diode itself and its surface is also very important. It should be noted whether the diodes are placed in a place similar to that of a traditional tungsten filament (the so-called twisted pair). If the diodes are placed too far in front or behind, the light beam will not be fully directed onto the road. Too large surface of the diode, contrary to appearances, may be a disadvantage. Such a solution makes the luminous flux stronger but less effective. Only a small part of the light coming out from the headlight falls in front of the car, in a place where the light beam should be the strongest and most effective.

Secondly, the size...

A very important element when choosing LED replacements for traditional light sources found in cars is size, although I don't even know if it is the most important. In many models of cars, replacing a passing light bulb, e.g. H7, is not that easy. Everyone who has had the pleasure of



M-TECH LSPRO7

experiencing this at least once knows about it. This difficulty is primarily due to the amount of space available under the hood. Often there is so little space around the headlight that it is difficult to fit your hand. This is why it is so important that the retrofit is as small as possible. First of all, it should be noted that the length of the LED burner should be as close as possible to the classic bulb. This will help us avoid problems and unpleasant surprises during installation. The pole on which the diodes are mounted should be similar in size to a traditional glass bulb.

It is also worth paying attention to the size of the heatsink discharging heat from the diode, protecting the burner itself from overheating. It should not take up too much space behind the burner itself. Additionally, its diameter should not exceed 40mm (diameter of the H4 bulb flange).

It is not uncommon for something as trivial as changing a light bulb to require removal of the bumper.

Thirdly, cooling...

There are two basic types of cooling on the market: active and passive.

We will start with the latter. Passive cooling is characterized by the fact that heat dissipation takes place by means of a heat sink without moving parts. Passive cooling can be found in the form of a classic heatsink in the form of a ribbed structure or aluminium pins. The disadvantage of this type of solution is the size of the heatsink, which in a passive way must carry away the heat from the diode. Unfortunately, it often happens that there is not enough space to mount it. A small size passive cooling heatsink may be associated with rapid overheating and burning of the diode.



Cooling LSPRO

Active cooling is characterized by the fact that the heat is dissipated by a moving part such as a fan. In view of the fact that heat dissipation is a key issue with regard to service life, companies on the market use Japanese bearings to prevent rapid wear.

It is also worth paying attention to the materials used in production. In the case of passive cooling, it is good that the heatsink is made of a material that dissipates the heat in the best possible way (e.g. copper alloy). In case of active cooling, the most important part is the fan; therefore, there are already LED retrofits on the market, in which the cooling element has been equipped, among others, with a Japanese bearing preventing quick wear and tear.

In summary, the product features presented above are of major importance when choosing the right LED retrofit for lighting conversion. On the market, the offer of products in this group is very wide, both in terms of the light source used (type of LED), size and form and type of cooling. Therefore, before making the final decision it is worth considering what criteria should be met by the LED set to avoid problems with e.g. its installation. However, it does not change the fact that the luminous flux, size and type of cooling have a direct impact on comfort and safety on the road.

*Bartłomiej Szternal
Product Manager*



Precise lighting of the workplace is the basis of efficient and safe operation. It applies both to mechanics and amateurs of DIY in the garage and workshop, but not only. In such a situation, reliable and indispensable is an efficient workshop lamp, which can be used to spotlight components that require repair, making it easier to diagnose the cause of failure.

Therefore, to meet the needs of users, M-TECH introduces an additional model of PRO series inspection lamp. ILPRO307 is an innovative and professional inspection lamp from M-TECH's latest range of lamps.

The main advantages of ILPRO307 are strong magnets and the ability to adjust the lamp in two planes: around its own axis 360 degrees (independently) and 180 degrees in the direction of the axis of the lamp (independently) and 180 degrees in the other plane (independently)!

In addition, the light reaching up to 1000 lumens allows for precise and reliable illumination of the place of work! The lamp is equipped with a protection system against overcharging and discharging.

Practical hook and strong magnets allow to place the lamp in almost any possible place making work much easier and directly affecting its quality.

Let yourself be surprised!

Bet on reliability and professionalism!



ILPRO104 AN INNOVATIVE AND PROFESSIONAL INSPECTION LAMP

What makes it different?

Movable light part with the possibility of maneuvering by 270 degrees and light reaching up to 500 lumens, which allows you to freely set a strong light beam in hard to reach places.

Additionally, the improved rechargeable battery allows for up to 20 hours of continuous use. The ILPRO104 workshop lamp is also equipped with an LED battery status indicator that shows the battery charge level.

What additional features should you pay attention to?

The IP54 certification protects against water intrusion inside the lamp, while the housing remains resistant to contaminants such as dust and dirt. The mechanical strength class IK08 protects it against external impacts and mechanical damage (the lamp can withstand a fall of an object weighing 1700 g from a height of 29.5 cm) - thus affecting the durability of the device and safety of use.

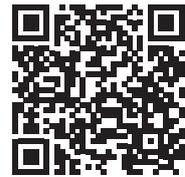


M-TECH brand with over 12 years of experience in creating new solutions in the field of automotive lighting - constantly strives to create a precise and safe lighting of the workplace. M-TECH PRO workshop lamps are the answer to the needs of the most demanding users.

M-TECH products can be found in the best Polish wholesalers and automotive stores.



3...2...1 LINKEDIN!



Scan me!

Our profile on LinkedIn - M-TECH Poland!

We created this place to be a mine of knowledge in the field of automotive lighting.

Follow our expert publications and comments, combined with interesting facts, which will bring you closer to the subject and brighten up the diverse world of light bulbs.

By the way, let us show you a little bit about ourselves.

You will also find information about our company and products that we have not presented anywhere else!

Watch us and stay up to date!

M-TECH
PROFESSIONAL AUTOMOTIVE LIGHTING SUPPLIER

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David Łukasinski i 2 inne kontakty pracują tutaj · 5 pracowników

Obserwujesz Przejdź do witryny Więcej

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M-TECH POLAND
30 obserwujących
2 mies. ·

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By the way, let us show you a little bit about ourselves. You will also find information about our company and products that we have not presented anywhere else!

See you soon!

Zobacz tłumaczenie

WELCOME TO THE PROFILE OF M-TECH POLAND!

2

Poleć Skomentuj Udostępnij Wyślij

M-TECH POLAND
30 obserwujących
1 mies. ·

We can already proudly speak about the presence of our brand in more than 60 countries!
Since 2013, when we decided to expand our sales department and try our hand at the international arena, the interest in our brand was constantly growing. Initially, our distribution network of foreign customers included mainly European Union countries, but over time brand recognition grew in direct proportion to the interest of customers from other countries. Today we regularly send goods/products to the USA, Canada, Brazil, Chile, Ecuador, Paraguay, Tunisia, Vietnam, the Philippines and Australia.
We are sure that this is just the beginning, and this dynamic development will lead us to a great global perspective and range of opportunities.
You can find more details in the graphic we have prepared.
[#mtech](#) [#mtechpoland](#) [#mtechonboard](#) [#automotive](#) [#automotivelighting](#) [#brand](#) [#network](#)

Zobacz tłumaczenie

OUR BRAND IN MORE

0:08 / 0:12 1x

M-TECH

**EFFICIENCY, EFFECTIVENESS,
SOMETIMES FASHION OR JUST PLAIN**

NOVELTIES & PRODUCTS

available again in our regular offer

LED SETS



LSM1



LSM3



LSM4



LSM7



LSM8



LSM11



LSMHB3



LSMHB4

INSPECTION LAMPS



ILPRO104

EAN: 5901508546579

LED BULBS



LB022G

EAN: 5901508549938



LB076W

EAN: 5901549289497



LB319W

EAN: 5901508510983

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NIGHT BREAKER®
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+200% H4

EAN: 4062172212281



EKSTREMALNA NIEZAWODNOŚĆ W NAJTRUDNIEJSZYCH WARUNKACH



Oświetlenie marki M-TECH znajdziesz w najlepszych hurtowniach motoryzacyjnych.



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