



TECH

# QUARTERLY

educational and expert journal of M-TECH

2ND QUARTER 2022





# TABLE OF CONTENTS

## INTRODUCTION

## WHAT'S UP WITH US?

Where is M-TECH's development headed?	4
M-TECH in relation to Tungsram products	5
AUTOEXPERT competition - PRODUCT OF THE YEAR 2022	6

## EXPERT ARTICLES

New headlamp by M-TECH ILPRO107	8
RESEARCH & DEVELOPMENT	9
M-TECH introduces a new range of products for motorbikes and scooters	10
Quality control	11
Expand M-TECH's custom product categories	12
POWERTEC	14
What is NFC?	15

## M-TECH PRODUCTS IN PRACTICE

WLR product session	16
---------------------	----

## COMING SOON! 18

## MARKETING

2022 Catalogues	19
-----------------	----

## SOCIAL MEDIA

Our LinkedIn	20
Our Facebook	22

## PRODUCT NEWS

Novelties & products soon in our regular offer	22
--	----



Dear Partners,

We invite you to read the new edition of M-TECH quarterly magazine.

We are proud to present you a summary of the second quarter of 2022.

In the previous year we developed well-known product categories, and this year we focus on developing products dedicated to the 24V category and motorcycle range.

With interest we give you the issue containing information about the upcoming novelties and we promise that there will be much more!

Inside you will also find information about the work of the Research & Development department, how quality control is carried out and how we select products that feature in the regular M-TECH offer.

Check out what we have prepared for you and how you can enrich your portfolio!!

We invite you to read about it!

*M-TECH Marketing Team*

## WHERE IS M-TECH'S DEVELOPMENT HEADED?

Keeping track of trends in the global aftermarket is one of our key objectives when it comes to developing and expanding the distribution network for the M-TECH brand worldwide. In-depth analysis and understanding of the directions followed by the industry is the most valuable source of inspiration to develop our portfolio with a series of products tailored to customers' purchasing preferences. Thanks to such a policy we consistently enrich our offer with unique novelties, which are the answer to temporary trends, but often once introduced they remain in our offer for good, invariably maintaining their position at the top of sales in their segment.

M-TECH company on a specialist level thrives on the market within the range of products compatible with 12V electric installation - in three most important lighting technologies - halogen, xenon and LED. As a trusted and prospective partner, we have decided to expand our offer of products compatible with electrical installation of 24V and focus on products for motorcycle and scooter users.

We are aware that drivers of heavy and special vehicles as well as motorcyclists particularly care about road visibility, safety and security.

In addition, the pandemic has shown us that nothing is completely certain, so we look for new paths to help partners grow and satisfy the end customer.

We listen to the market to help each other, we look for challenges and continuous development, because these are the factors that drive further progress.

As creators of new lighting solutions, we place great emphasis on research and development. In the previous year, we significantly developed product categories that are relevant and well-known: LED sets and workshop lamps. This year we focused on development of non-standard product categories, completely new in our offer, like working lamps with R23 reversing approval, LED retrofits dedicated to motorcycles MOTO LIGHTS series, LED retrofits dedicated to fog lights FOG LIGHTS series, ultra-modern retrofits



LB555W - Moto LED

LIMITED BLACK series or working and driving lights with new road approval R148 and R149 in modern black BLACK series edition.

Special thanks are due to the Research & Development department of M-TECH, which is the engine of innovation aimed at expanding the product ranges and improving existing ones. The new ranges were born on the basis of

careful observation of the market and previous experience in the production and sale of automotive lighting.

A well thought-out development path with new opportunities makes us one of the most comprehensive suppliers to the automotive aftermarket in Europe and worldwide.



Rokšana Rajewska  
Marketing Team Leader



## M-TECH IN RELATION TO TUNGSRAM PRODUCTS

Dear Partners,

Since the beginning of COVID-19 pandemic, we have been facing such problems as currency fluctuations, instability of global logistics routes or OEM production delays. The conflict in Ukraine has only worsened an already difficult situation and unfortunately not everyone has managed to cope with the onslaught of difficulties. We were saddened to learn about the problems of the Hungarian company Tungsram, which has always been a reference for the quality of our products.

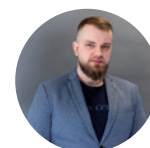


In order to ensure continuity of sales, we offer comprehensive product support in LED, halogen and xenon technologies with full sales and marketing support. An exceptionally wide range of products and the division into Basic 12V and 24V, Premium Heavy Duty and Powertec series,

makes it possible for us to offer a replacement for each Tungsram product.

We would also take the opportunity to remind you that M-TECH operates in an uninterrupted manner, and our Partners can absolutely and invariably count on availability of goods and timely execution of orders.

In case of interest in product replacements (so-called crosses) please contact a customer advisor.



*Kamil Pocheć*  
Sales Team Leader



Roadworthy homologation



Technical clarification bulb



UV filter



Toughened quartz glass



Attractively priced product



Very good quality components



Road approval



UV filter



## AUTOEXPERT COMPETITION - PRODUCT OF THE YEAR 2022

### THE BEST PRODUCTS FOR THE AUTOMOTIVE INDUSTRY - A NOMINATION IN THE AUTOEXPERT COMPETITION - PRODUCT OF THE YEAR 2022

We are pleased to announce that our products have gained the trust of customers and were in the ranking of the AUTOEXPERT PRODUCT OF THE YEAR 2022.

The nominated products in the category automotive parts and accessories are:

**BLACK SERIES - WLBC758 long-range LED lamp**



M-TECH constantly works on introducing products meeting the requirements of even the most demanding road users. Hence, the idea to introduce long-range lamps made in LED (Driving Lights) technology with full ECE R112 Black series road approval, which can be legally used on public roads in the EU without any obstacles.

To meet the expectations of the market, M-TECH has introduced the WLBC758 model that meets all the above mentioned features. The lamp itself has the shape of a curved beam with dimensions of 543x82x63mm and the source of light is provided by 15 branded LEDs of 10W each. Additionally, the WLBC758 is distinguished by a very important feature, namely, a reflector of innovative shape, which in combination with the 150W power allows

it to achieve maximum efficiency and luminous flux up to 8520 lumens. The IP67 certification protects against water intrusion into the lamp, while the housing remains resistant to contaminants such as dust and dirt.

In addition to the above features, the WLBC758 fulfills one more aspect that is very important to the end user, and that is the appearance. Unusual design, which consists of e.g. the effect of tinted glass obtained by using appropriate optical techniques, is an unquestionable advantage, which additionally distinguishes it from the competition.

Products based on the highest quality components such as branded diodes and the latest, often innovative solutions are a standard in the offer of M-TECH.

### And in the workshop equipment and software category:

#### ILPRO120 workshop lamp from the latest M-TECH PRO product series

Unflagging interest in the series of inspection lamps, also known as ILPRO workshop lamps, introduced at the beginning of the year, made M-TECH decide to follow suit. In order to meet our customers' expectations, we are introducing a brand new model - ILPRO120 - expanding the range of ILPRO series products.



ILPRO120 is a lamp with a wide range of applications. Its main purpose is to be mounted under the hood of a car, perfectly illuminating the engine compartment, which makes the work easier and more efficient. Due to the fact that this part of the car body is available in different widths depending on

the car model, one of the most important features that this type of lamp should have is adjustable arm span. The lamp can boast of adjustment within the range of 117 to 163 cm (possibility of extending it from two sides simultaneously). Arm handles are covered with a special material that provides 100% protection against scratching or damage to the paint. Additional advantage is the possibility to adjust the angle of incidence of light thanks to the possibility to adjust the whole luminous element within 120 degrees.

The luminous flux is provided by 120 brand SMD diodes with 5700K color temperature which allows many hours of work without the fatigue effect. Thanks to the use of so many diodes we achieved the luminous flux of max. 1800 lm, leaving behind all the competition. The ILPRO120 model has three modes of light (100%, 50%, 30%), which makes it possible to adjust the amount of light to any conditions. One of the most important things you should pay attention to when choosing a workshop lamp is the battery. ILPRO120 is characterized by a 5000 mAh cell, which is hard to find in competitor models. Thanks to 3 light modes and a very capacious battery, you can enjoy continuous operation for up to 10 hours. Another solution used in this model is built-in battery charge indicator. It allows you to easily control the battery status, which directly affects the comfort of work.

The ILPRO120 uses the innovative "Dual 2 in 1" system. It enables continuous work even when the battery is flat. Simply connect the charger cable, plug it in and you can continue working. In addition, the "Dual 2 in 1" system allows you to simultaneously charge the battery while working on mains power..

Thank you for your trust and appreciation!

**automechanika**  
FRANKFURT

**FRANK-  
FURT**

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NIEMCY

**13-17.09.2022**

Nr standu: **E61**

**DO ZOBACZENIA  
NA MIEJSCU!**



## NEW HEADLAMP BY M-TECH ILPRO107



The term workshop lamp, otherwise known as inspection lamp, most people associate with a handheld torch, which can take various forms. The most common lamps on the market are elongated structures intended for manual work, very often additionally equipped with a magnet or a hook for hanging or both. The problem

arises when both hands are needed for work, e.g. in a pit or on a hoist, and lamps equipped with a magnet or a hook are not able to illuminate the work area well (it is not possible to mount them in such a way that they shine exactly where we want them).

As always, M-TECH has come up with a revolutionary new model of the popular ILPRO series, namely, ILPRO107 headlamp. It has been equipped with many solutions which will be appreciated not only by workshop workers. The biggest advantage of this type of lighting, commonly called a headlamp, is the fact that the light beam always follows your eyesight, precisely illuminating the place you want to.

The most important feature of the workshop lamps, which should be paid attention to first, is the materials used for the construction of the product. ILPRO107 light module was made of extremely resistant to damage rubber formed on the basis of polycarbonate (double injection into a mould), which makes it extremely resistant to mechanical damage. IP65 rating and IK08 resistance to mechanical damage guarantee reliability and longevity. In addition, the use of anti-slip silicone strips on the inside of the strap is a guarantee that ILPRO107 will not slide off the head even during sudden movements.

When purchasing inspection lamps, it is worth paying attention to the technical parameters, components used and possibilities offered by the product. ILPRO107 model as a source of light uses the best quality diode type 3535HP (High Power), which allows to obtain a luminous flux of up to 450 lumens. In addition, the lamp has been equipped with the so-called ZOOM allowing it to adjust the width of light

within the range of up to 120 degrees. The application of the innovative ULTRA VIEW FLOOD technology ensures even distribution of the luminous flux over the entire illuminated surface (the light is uniform in every point). Thanks to this, we have managed to eliminate the effect that can be found in similar products available on the market, namely the further away from the centre the weaker the light becomes, not to mention the yellow border outside the illuminated surface, which is the bane of headlamps. It should be mentioned here that the element responsible for the possibility of light flux adjustment has been made of the best quality aluminium alloy which is a guarantee of reliability. In addition, the TWIST FOCUS system allows you to change the light beam from maximum focus to maximum diffusion in a fast and trouble-free way. A definite advantage is the use of a USB-C type charging socket and a 1400 mAh battery made in the latest lithium-polymer technology (Li-Po) which allows for continuous operation of up to max. 24h.

The most interesting solution that was used in the ILPRO107 model is the motion sensor (M-TECH moveON). It allows you to switch the lamp on and off by moving your hand in front of the torch. This is extremely important, especially for users who deal with various types of dirty substances such as oils or greases on a daily basis. The use of the M-TECH MOVEon system certainly increases the life of the lamp itself and allows you to keep it clean.

ILPRO107 model is another item from the extremely popular M-TECH ILPRO series, which is a guarantee of the highest quality product. The materials used in its production, such as rubber based on polycarbonate, as well as the components used, including a 5W high-power 3535HP diode equipped with a lens and a 1400 mAh lithium-polymer technology battery, make ILPRO107 a perfect professional solution for all those places where you need both hands for work. The light module can be adjusted within the range of 30 degrees, and thanks to the innovative ULTRA VIEW FLOOD technology that ensures uniform light output distribution (max. 450lm) over the entire surface, as well as the TWIST FOCUS system that allows you to quickly change the beam from focused to diffused, you can take full advantage of ILPRO107. The

lamp is equipped with a USB-C type charging socket, and the IP65 protection class and IK08 resistance to mechanical damage guarantee reliability and comfort of work even in the most difficult conditions. In addition, the silicone straps used on the inside of the strap ensure that even with sudden movements the lamp remains stable and does not slip off the head.



Despite being called a workshop or inspection lamp, the ILPRO107 model has its wide application also in other situations. It will certainly come in handy for drivers themselves, e.g. when replacing a burnt-out bulb or wheel, as well as during running, cycling, mountain hiking or camping.

The ILPRO107 inspection lamp will soon be available at the best automotive wholesalers in the country



*Bartłomiej Szternal*  
Product Manager



Do you want to know what products go through before they appear in our offer? Or are you wondering what guides us when selecting product ranges?

In order to keep our offer attractive and beneficial for our business partners, our eyes are open for searching novelties, and ears are tuned to listen to the market needs. M-TECH R&D Department is responsible for designing electronic circuits in all flagship segments of our offer. Each product passes through a sieve which is designed to analyze usability, quality and durability. The R&D department verifies that the components used are efficient and meet functionality standards. Photometric tests take place in a dedicated device - the Ulbricht sphere. The efficiency test is not only about numbers regarding brightness, power or working temperature. For example, M-TECH brand bulbs are tested in practice by mounting them in the car and comparing them to other products available on the market. The effect of light on the road is recorded with special cameras so that later on computer screens it is possible to find differences in the illuminated field, range or color of light.

Are you wondering how you can be sure that our product evaluation criteria are correct? Because our R&D team and others are not only excellent professionals, but above all automotive enthusiasts who themselves use the products they co-create.



*Dawid Bystron*  
Product Manager



## M-TECH INTRODUCES A NEW RANGE OF PRODUCTS FOR MOTORBIKES AND SCOOTERS

The development of civilization means that, especially in cities, roads are becoming increasingly congested. The number of cars that appear on the roads every day makes congested roads an everyday reality for every driver. There are, however, those who are less affected by this problem. More and more people are turning to two-wheelers as their main mode of transport, which is why motorbikes and scooters are becoming more and more common alternatives to cars.

Similarly to the drivers of four-wheel vehicles, these users want to feel safer on the road and good lighting has a direct influence on that. Therefore, M-TECH offers a wide range of motorbike and scooter LED bulbs ensuring reliability and excellent visibility.

### LIGHT BULBS...



LB574W

Automotive lighting manufacturers to a greater or lesser extent offer bulbs manufactured on the basis of LED technology. Replacements for traditional bulbs such as W5W, C5W (commonly called tube), BA9s or BA15s are standard. The same bulbs are also used in two-wheelers as headlights, marker lights, reversing lights and stop lights. However, there are places in motorbikes or scooters where a universal car bulb is not enough and a dedicated solution is needed. M-TECH's R&D department has noticed this and introduced tailored bulbs for this type of vehicles such as HS1, BA20d and P15d in LED version (headlight - passing and driving light)..

### TWO SERIES...

To begin with, M-TECH will offer two series of LED substitutes of HS1 type, BA20d and P15d bulbs used in headlights as a passing and driving light. Both series are characterised by using the best quality materials and components, which is a standard in M-TECH products.



LB551W



LB552W

LB55x series are the bulbs, in which 12 brand SMD3030 diodes have been applied, which in connection with an extended heatsink of an innovative shape makes that the source of light is properly cooled, which prevents overheating and, consequently, damage to the bulb. The diodes have been placed on the PCB, 6 on each side, which seems to be an optimal solution. Luminous flux at max. 1200lm ensures comfort of travelling even on the darkest roads.



LB571W



LB572W

LB57x series are bulbs of a completely different construction than LB55x. The main feature which distinguishes them is the applied lens and a completely different shape of the heatsink which is equally efficient and appropriately takes care that

the diode does not overheat. The source of light is provided by two extremely efficient 3570SMD diodes that guarantee a luminous flux of max. 1400lm which will satisfy the most demanding users of this type of vehicle.

## TO SUM UP...



The segment of road users using two-wheeled vehicles on a daily basis is increasing. Similarly to the drivers of four-wheelers, they want to feel increasingly safe as users, and the lighting has a direct influence on this. LED bulbs dedicated to this segment and soon to be introduced into the offer of M-Tech company will certainly help in this matter. Two series LB55x and LB57x, thanks to their diverse construction, allow to find an appropriate solution for the conversion of traditional lighting to LED in most headlights.

The materials used, branded diodes responsible for the luminous flux and radiator construction are a guarantee of reliability and thus the feeling of safety.



**Bartłomiej Szternal**  
Product Manager



Quality control is an extremely important part of any production process. Proper quality control is all the more effective the more influence the manufacturer has on it. M-TECH as a manufacturer must also carry out effective quality control of its products, but is this possible if we are separated by such a geographical distance?

You can implement advanced procedures, you can send samples and pictures, but nothing can replace the personal inspection of an expert. Thanks to the fact that M-TECH has its branch in Shanghai, where Polish staff work, our company is able to visit the factories of our partners and check the quality of goods produced according to our designs on an ongoing basis. The expert's assessment includes designs in the preparation phase and components, production process and methods, as well as inspection of finished products before they are packed in a container and shipped.

Thanks to the fact that we are constantly present in the factories of our suppliers, we can assure our customers that the goods they distribute are of verified quality, which affects the stable development and growth of sales.



**Dawid Bystroń**  
Product Manager



## EXPAND M-TECH'S CUSTOM PRODUCT CATEGORIES

Proper lighting of a car, including signalling of manoeuvres undertaken by the driver, is the main element of ensuring safety on the road. That is why efficient lighting is so important, both the main light (e.g. dipped light) and auxiliary light (e.g. parking light, direction blinker or stop light) also called signal light. Despite technological development, halogen bulbs are still the most common type of lighting in cars. However, you can already find on the road models equipped with lights made in much more efficient LED technology, but this applies to brand new installations.

M-TECH company for several years has offered a wide range of automotive lighting. From traditional car bulbs, both halogen and auxiliary, xenon burners, through LED retrofits for headlights, working lamps, lightbars or driving lights. A very important element in the offer are LED bulbs that are replacements for traditional auxiliary bulbs such as W5W, P21W or W21W. Listening to the voice of the industry market we decided to introduce two new series of retrofits and thanks to technological advances in replacement of the most popular models of FLUX diodes on SMD.

### LIMITED BLACK...



Design or appearance, design... this word has always accompanied us, although in the last few years it has started to appear in our everyday life more and more often. Initially, design was associated mainly with such industries as clothing, furniture or architecture. Recently, however, the word has been gaining popularity, which seems to be a response to the

market needs. This is also noticed by the automotive sector, which can be seen more and more often during the premieres of new car models presented by the world's biggest corporations as well as everyday on the roads. Companies representing the automotive aftermarket do not remain indebted.

The offer of LED segment products available on the market

is the best confirmation of that. Working lamps, driving lights or marker lamps more and more often catch the eyes of the road users with their appearance which makes more and more drivers want to have in their cars something that distinguishes them and adds individual character.

Platinum Limited Black series is the best example of that. While maintaining the features most valued by the users such as branded efficient diodes and the best components we have created a product that meets all the above requirements. The dark-gray aluminium alloy used in the production process makes the products do not remain unnoticed. Platinum Limited Black series includes W5W, W16W, BA15s, BAY15d, W21W, W21/5W, P27W (3156) and P27/7W (3157) bulbs which fills the vast majority of the market.

### RED SERIES...



M-TECH is gradually trying to develop a range of LED retrofits to meet market expectations. Recently, there have been more and more questions about LED replacements for traditional bulbs used as stop lights.

In response, M-TECH has introduced LED replacements for traditional bulbs in red, which are used primarily in rear lampshades with transparent glass. Based on our experience, firstly, retrofits based on very well known and appreciated by customers Platinum series models will be included in our offer. It should be emphasised that the new products, just like their white prototypes, are based on the highest quality components. All of them are also equipped with a system that prevents overheating and consequently burning out, ensuring reliability in all conditions.

Soon on the store shelves you will be able to find red versions of 8 extremely popular models of LED bulbs in single and double strand versions, currently available only in white colour. Products LB820R-01B, LB821R-01B, LB822R-01B, LB823R-01B, LB826R-01B, LB827R-01B, LB828R-01B and LB829R-01B are replacements for the most popular types of bulbs used in this type of lighting. The new range will consist of retrofits with P21W, P21/5W, W21W or W21/5W

bases. At the beginning you will be able to choose from two models of each type, but this is certainly not the last word from M-TECH on this subject. Continuous development is the basis of success, so in the nearest future we can expect more novelties in this segment.

## FOG LIGHTS...



Another new series of LED retrofits which will soon appear in the offer of M-TECH company is a series of Fog lights.

Fog lights are a very important element of external lighting in the car. They directly affect the safety of driving in difficult conditions such as dense fog. M-TECH once again meets the expectations of the market by introducing a special series of LED retrofits dedicated to this type of lighting. The "FOG Lights" series includes LED replacements for the traditional H1, H3, H7, H8/H11, HB3, HB4, 880 and 881 incandescent lamps. All of them are equipped with six extremely efficient SMD1616 LEDs and a finned radiator responsible for heat dissipation and thus protecting the LEDs from overheating. An additional advantage of "FOG Lights" series are compact size and easy "plug'n'play" installation (they fit perfectly as a replacement for a traditional light bulb).

## FLUX ON SMD...



New versions of the most popular models of W5W, P21W and P21/5W (LB006AW, LB033W, LB033R, LB033Y, LB038W and LB038R), so far created with the use of outdated FLUX technology, will complement the novelties of the LED retrofit segment.

The development made the SMD diodes widely available on the market, thanks to which they can replace the FLUX diodes without significantly increasing the final price of the product and guaranteeing incomparably better effects in the form of emitted light. Taking advantage of that fact, soon M-TECH will present a completely new version of well known models in which SMD diodes were used. Additionally, in the LB033 and LB038 models, milky glass has been used, thanks to which a homogeneous luminous flux has been obtained on the whole surface of the diode.

## TO SUM UP...

In response to signals from the market, M-TECH introduces a new series of LED retrofits, which include dozens of completely new models. Such a wide range makes that regardless of the needs, each road user will find a product

interesting for him both in terms of visual and technical features. For those who put the appearance of the bulb in the first place, the ideal solution will be the Limited Black series with a characteristic matte-graphite part (a special metal alloy of the highest quality), which includes a black PCB plate on which the diodes are mounted, which completes the whole bulb. RED series created on the basis of already existing Platinum series are products designed for people who are looking for LED retrofits made of the best materials, according to the highest standards, but with red color. Another group is the so-called Fog Lights series which includes LED bulbs of H1, H7, H11 or HB4 type. These products are replacements for traditional halogen bulbs most commonly found in fog lights. The use of LED technology allows to obtain a much more efficient luminous flux, which in this type of lighting directly translates into safety and comfort of driving. In conclusion, the development of LED technology in the field of broadly understood lighting allowed us to reengineer the most popular models. Thanks to this, the products in which previously inefficient Flux diodes were used have been equipped with much more efficient SMD diodes, which has a direct impact on the life of the bulb itself. In addition, the use of milky glass has allowed for maximum use of the light sources used.

It should be remembered that although the LED technology is much more efficient in terms of luminous flux, unfortunately it is still illegal on public roads in the European Union. Efficiency and effectiveness is particularly important in the case of signal lighting (e.g. direction indicators), as well as lighting used in difficult weather conditions (e.g. fog lamps). It is to be hoped that this situation will soon change and thanks to the modern LED technology all users of both public and other roads will be more visible and thus safer, which directly affects the comfort of driving.



*Bartłomiej Szternal*  
Product Manager



## POWERTEC

Tracking the trends in the global aftermarket is one of our key objectives in the context of developing and expanding the distribution network of the M-TECH brand worldwide. In-depth analysis and understanding of the directions followed by the industry is the most valuable source of inspiration to develop our portfolio with a series of products tailored to the purchasing preferences of customers. Thanks to such a policy we consistently enrich our offer with uncommon novelties, which by default are a response to temporary trends, but often once introduced they remain in the offer permanently, invariably staying at the top of sales in their segment.

A perfect example of an innovation introduced a few years ago and still a bestseller today is the PowerTec family of halogen and xenon bulbs, which was born on the basis of careful observation of the market and previous experience in the production and sale of automotive lighting.



PTZPT7-DUO

PowerTec halogen bulbs are a very good quality at an affordable price, and above all an economical substitute for similar products from the premium shelf. In the production of our lamps we use, among other things, high quality steel, which has a significant impact on durability and resistance to high temperatures or vibrations, and tempered quartz glass with a UV filter, which protects headlights from damage and lampshades from fading. Halogen bulbs are now available in 7 original series that will satisfy the tastes of even the most demanding customers:

- PowerTec Standard
- PowerTec SuperWhite
- PowerTec UltraWhite
- PowerTec Platinum
- PowerTec LongLife
- PowerTec XenonBlue

- PowerTec Retro
- PowerTec ExtremeWeatherControl

PowerTec Xenon filaments are a slightly younger design, but fully refined, precise and optically accurate to the point of perfection. The filaments illuminate the road exactly where it is needed, which noticeably improves visibility on the road and thus the safety of drivers using our solutions. As in the case of halogen bulbs we used quartz glass with UV filter, the filament itself was filled with refined gas mixture and its glass part is reinforced with steel



PTZPTD4S-DUO

supports to increase durability. The whole is packed in a visually attractive duo box. Currently our offer includes three series of burners with the most popular bases:

- PowerTec SuperWhite
- PowerTec Platinum
- PowerTec XenonBlue



Kamil Pocheć  
Sales Team Leader



## WHAT IS NFC?

### I INNOVATION IN MARKETING MATERIALS.



Smartphones have already become an indispensable part of our lives. Their increasing functionality and access to irreplaceable functions make a person feel like without a smartphone as without a hand.

More and more of these pocket computers are equipped with NFC (Near Field Communication), a wireless communication standard based on proximity technology. It bases data transmission on short-range radio wave communication. It is a technology similar to Bluetooth, but unlike Bluetooth, both devices do not have to be smartphones, but e.g. a smartphone and a payment terminal, or a smartphone and...a notebook...

At M-TECH, it is in notebooks that the marketing team has used this relatively new technology. Thanks to cooperation with Infomax group they managed to create a unique and versatile notebook with NFC chip integrated in its cover. The notebook equipped with this technology turned out to be a hit, which was observed especially after the automotive aftermarket trade fair.



Having a product catalogue is a must for a company, but their printed forms are slowly being put aside. Their impact on the environment, as well as such a prosaic reason as their weight make encoding a link to the catalogue into an NFC chip a much more efficient form of product presentation. Potential partners met at trade

shows are delighted that with a single touch of the notebook cover with their phone, the catalogue is automatically displayed to them. They don't have to carry heavy and bulky books with products, and additionally while browsing online catalogue they always have a notebook at hand to write down products they are interested in. The notebook can store flyers, stickers or business cards collected at trade shows. It is towards these marketing things that I look when looking at the future of NFC chips. The technology is secure and still being developed, which makes me think that its potential has yet to be fully realised.

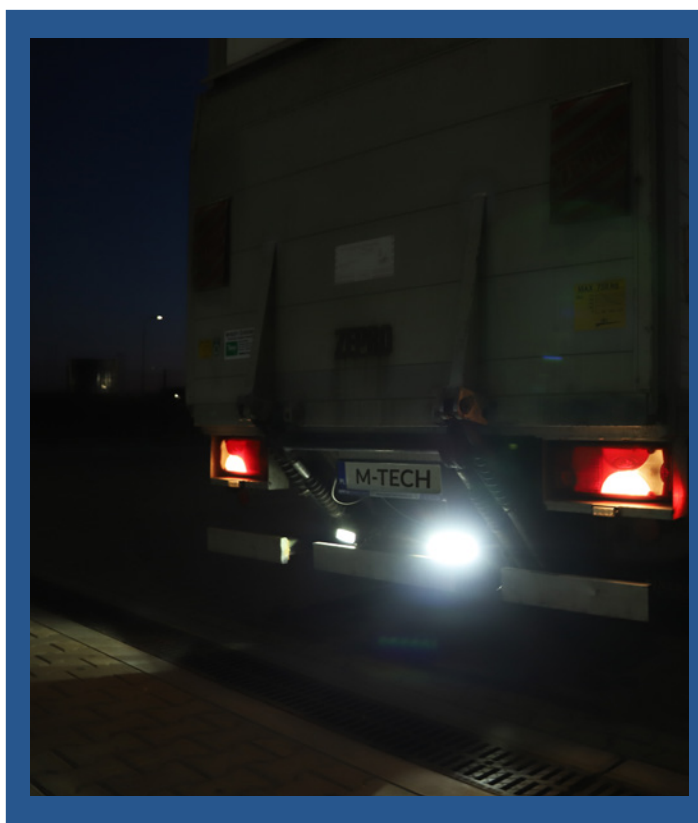
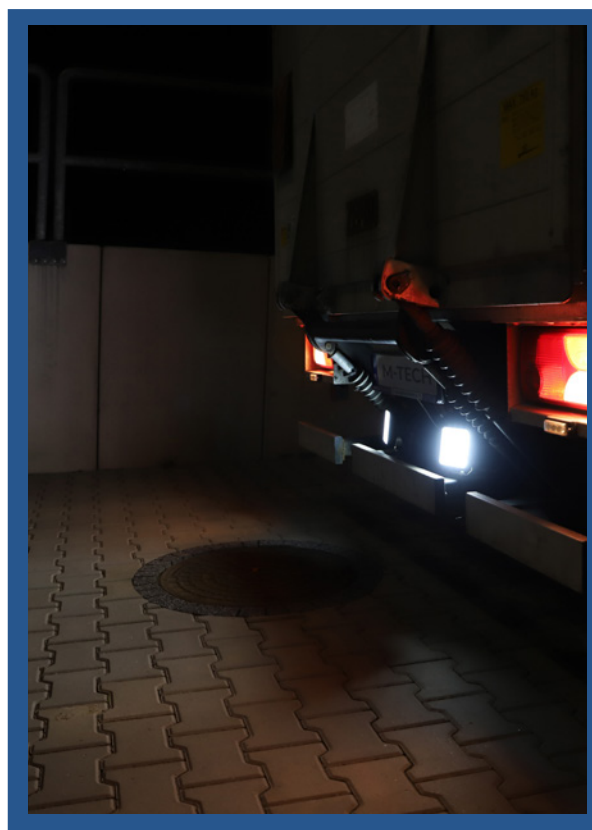


*Daniel Włochowicz*  
Senior Graphic Designer



# WLR PRODUCT SESSION

M-TECH once again meets the expectations of the automotive lighting market and introduces three brand new models of working lamps compatible with 12/24V installations. The new series stands out with something absolutely unique in the segment - ECE R23 road homologation. The implemented EU Directive R23 contains guidelines for the possibility of legalizing work lamps as reverse lights, which can be legally used on public roads of the European Union.





TECH

S T A Y      T U N E D

coming  
soon



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LED SET PRO SERIES NEXT GENERATION

# 2022 CATALOGUES

**Light@Automotive**  
12V Catalogue

The cover features a dark blue background with a large white stylized 'M' logo on the left. On the right, there is a vertical strip of white line-art icons representing various automotive lighting products. A QR code is located in the bottom right corner.

**LIGHT@AUTOMOTIVE**  
- CATALOGUE 12V

**Light@Work**  
24V Catalogue

The cover has a dark grey background with a large white stylized 'M' logo on the left. A vertical strip of white line-art icons for industrial lighting products is on the right. A QR code is in the bottom right corner.

*See our catalogues!*

**LIGHT@WORK**  
- CATALOGUE 24V

**Light@Moto**  
Motorcycle compatible

The cover is dark teal with a large white stylized 'M' logo on the left. A vertical strip of white line-art icons for motorcycle lighting is on the right. A QR code is in the bottom right corner.

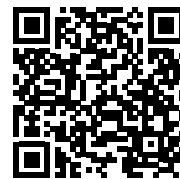
**LIGHT@MOTO -**  
**CATALOGUE MOTO**

**Light@2022**  
Novelties Catalogue

The cover is light blue with a large white stylized 'M' logo on the left. A vertical strip of white line-art icons for novelty lighting products is on the right. A QR code is in the bottom right corner.

**LIGHT@2022 -**  
**NOVELTIES CATALOGUE**

# 3...2...1 LINKEDIN!



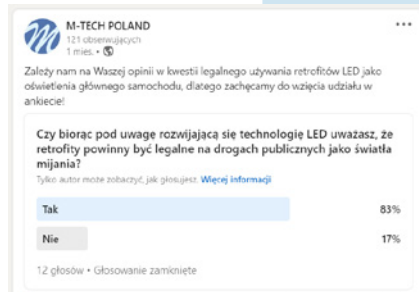
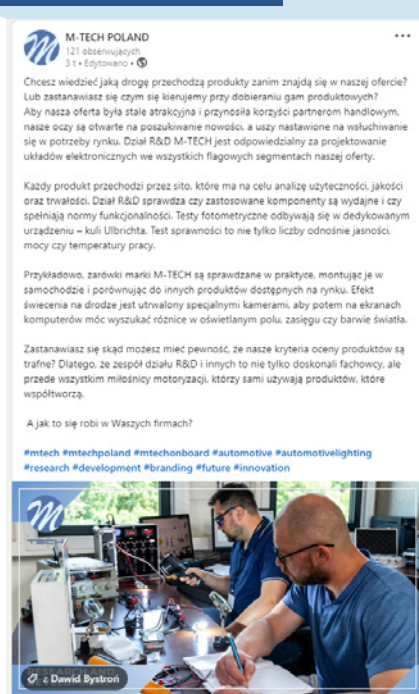
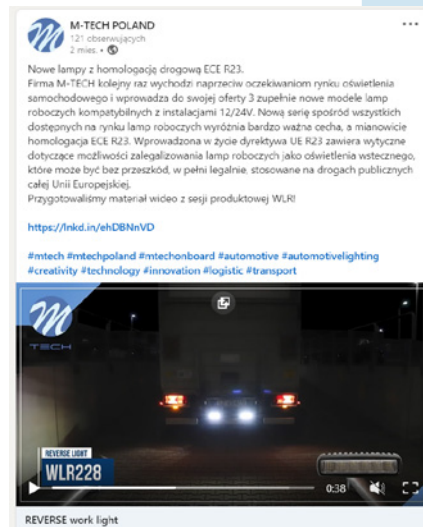
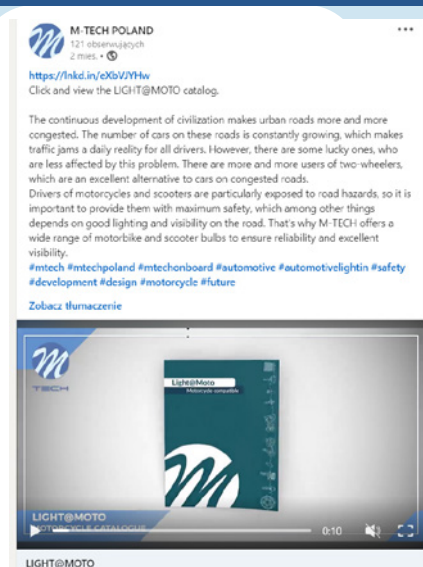
We created this place to be a mine of knowledge in the field of automotive lighting.

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!

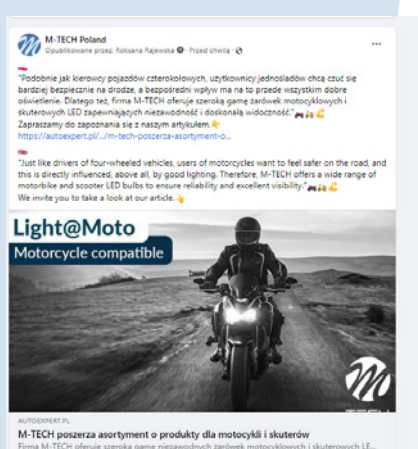




# OUR FACEBOOK

Why is it worth watching us?  
Our profile on Facebook means product news, interesting facts and interesting contests!

Like us today and stay up to date!



# NOVELTIES & PRODUCTS

## soon in our regular offer

### INSPECTION LAMPS



**ILPRO107**

EAN: 5901508552341



**ILPRO107 display**

EAN: 5901508552358

### WORK LIGHTS & DRIVING LIGHTS



**WLE33**

EAN: 5901508552525



**WLE34**

EAN: 5901508552532



**WLE36**

EAN: 5901508552549



**WLE43**

EAN: 5901508552570



**WLE44**

EAN: 5901508552563



**WLE46**

EAN: 5901508552556



**WLBO133**

EAN: 5901508551979



**WLBO143**

EAN: 5901508551993



**WLR228**

EAN: 5901508550484



**WLR243**

EAN: 5901508550460



**WLBO134**

EAN: 5901508551931



**WLBO144**

EAN: 5901508551955

**WLBO854**

EAN: 5901508552488

**WLBO856**

EAN: 5901508552495

## LIGHTBARS

**WLBO656**

EAN: 5901508552464

**WLBO658**

EAN: 5901508552471

## LED BULBS - PLATINUM LIMITED BLACK

**LB840W-01B**

EAN: 5901508551160

**LB841W-01B**

EAN: 5901508551177

**LB842W-01B**

EAN: 5901508551184

**LB843W-01B**

EAN: 5901508551191

**LB844W-01B**

EAN: 5901508551207

**LB845W-01B**

EAN: 5901508551214

**LB846W-01B**

EAN: 5901508551221

**LB847W-01B**

EAN: 5901508551238

## LED BULBS - PLATINUM RED

**LB804WW**

EAN: 5901508551108

**LB806WW**

EAN: 5901508551139

**LB821R-01B**

EAN: 5901508551436

**LB827R-01B**

EAN: 5901508551474

**LB820R-01B**

EAN: 5901508551429

**LB822R-01B**

EAN: 5901508551443

**LB828R-01B**

EAN: 5901508551481

**LB823R-01B**

EAN: 5901508551450

**LB829R-01B**

EAN: 5901508551498

## LED BULBS - BASIC

**LB006AW**

EAN: 5901508518637

**LB038W**

EAN: 5901549289466

**LB038R**

EAN: 5901508530103

**LB088R**

EAN: 5901508551665

**LB033W**

EAN: 5901549289145

**LB033R**

EAN: 5901508529312

**LB033Y**

EAN: 5901508514554

## LED BULBS - HEAVY DUTY

**LB906W**

EAN: 5901508515629

**LB933W**

EAN:

**LB933R**

EAN: 5901508515797

**LB933Y**

EAN: 5901508515810

**LB938W**

EAN:

**LB938R**

EAN:

## LED BULBS - FOG LED PREMIUM



**LB501W-01B**

EAN: 5901508550828



**LB503W-01B**

EAN: 5901508550835



**LB507W-01B**

EAN: 5901508550842



**LB511W-01B**

EAN: 5901508550859



**LB508W-01B**

EAN: 5901508550880



**LB512W-01B**

EAN: 5901508550897



**LB505W-01B**

EAN: 5901508550866



**LB506W-01B**

EAN: 5901508550873

## LED BULBS - MOTO LED PREMIUM



**LB551W-01B**

EAN: 5901508550958



**LB552W-01B**

EAN: 5901508550941



**LB554W-01B**

EAN: 5901508550934



**LB571W-01B**

EAN: 5901508550927



**LB572W-01B**

EAN: 5901508550910



**LB574W-01B**

EAN: 5901508550903

## M-TECH POLAND Sp. z o.o.

ul. Redena 10  
41-807 Zabrze  
POLAND

tel. +48 32 284 10 10  
tel. +48 32 428 42 80  
tel. +48 32 428 42 99

[www.M-TECH.pl](http://www.M-TECH.pl)  
[info@M-TECH.pl](mailto:info@M-TECH.pl)

