



TECH

# QUARTERLY

educational and expert journal of M-TECH

3RD QUARTER 2021





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Dear Employees and Partners!

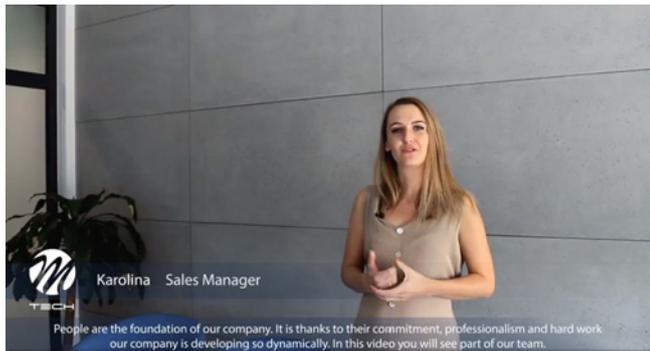
Thanks to you we have created a constantly growing, forward-looking company with solid and durable foundations. The main value of our company are partnerships and business relationships, which is why the M-TECH quarterly is a compressed knowledge of the company's operations in the third quarter of 2021.

Here you will find automotive lighting expertise, expert publications and product notes.

We hope you enjoy our publication.

Enjoy your reading!

*M-TECH Marketing Team*



## INTRODUCTION TO THE SALES DEPARTMENT

One of our goals is to ensure direct business consulting, carried out by our specialized team of advisors. Their commitment, professionalism and hard work are key factors for our dynamic development. We have prepared a short video coverage of our team. We hope that you will enjoy this new project, and despite the global economic and logistics difficulties we have faced, we won't forget that we are a strong group of people, and together we will continue to succeed.

Due to the ongoing pandemic, we invite you to meet our team virtually.



## NOMINATION!

We are pleased to announce that our products have gained the trust of users and have been ranked **PRODUCT OF THE YEAR 2021 AUTOEXPERT**.

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

**New models of dual-fibre LED retrofits from the Platinum series that function as parking and daytime running lights or stop lights**

**M-TECH PRO LED SET - a set designed to convert the original yellow headlights into LED lamps**

And in the workshop equipment and software category:

**ILPRO104 inspection lamp from the latest M-TECH PRO product series**

Thank you for your trust and recognition!





## REPORT FROM THE FAIR!

There is no denying that Automechanika Frankfurt 2021 was an event completely different from other fairs in the Automotive segment. A reduced number of exhibitors and the transfer of a large part in the DIGITAL PLUS format resulted in fewer people physically participating in the event and in a reduced number of exhibitors. But did we, as exhibitors, lose out? Absolutely not! Our stand enjoyed great interest among the visitors to this year's edition of the fair and the exhibitors. Customers found their way to us simply by following the light. The greatest attention and appreciation of visitors attracted our new products introduced this year:

- ILPRO series, which offers professional workshop lamps that guarantee reliability and great light parameters.
- LSPRO series which offers LED Sets with an innovative Active Air cooling system made of top quality components including Osram diodes.
- Lamps from the segment of Driving lights and working lights, which attracted crowds of visitors because of the light parameters.
- The widest offer of LED retrofits for 24V installations, which includes the most popular types of bulbs for trucks.

This year's Automechanika definitely stood out with its hybrid Live & Digital concept, which we're sure many people liked for the comfort of being able to connect remotely to the event, but for us, where our partnerships are based on human relationships, the opportunity to talk to our customers will always be more valuable than virtual channels. As creators of new lighting solutions we place great emphasis on participating in the most important business events of

the automotive aftermarket industry. Therefore, we hope that AUTOMECHANIKA FRANKFURT 2021 is the beginning of positive changes enabling us to build further business relations and mutual trust.





# 12V CATALOGUE!

Thanks to consistent implementation of strategic assumptions, real listening to customers' needs and selection of appropriate Partners, we have designed a new product catalogue M-TECH 2021/2022 Light@Automotive 12V.

### HEADLIGHTS PREMIUM

- larger light beam than standard bulbs
- span up to 800h
- filament made of a special metal alloy for improved light quality in comparison to standard bulbs
- hardened quartz glass
- UV filter to protect the reflectors against damage and tarnishing
- European ECE E1 homologation

Lifetime up to 800h

Reinforced filament design

Up to 30% more light

Homologation E1

### POWERTEC HALOGEN

#### PLATINUM

- 120% more light
- Discharge Bulb System
- Solar Storage combination
- Homologation

REF.	EAN CODE	E12	BASE	MAX. POWER (W)	LUMENS
PT2P73-D10	5901508154354	75W	P14S	2000	2000
PT2P73-D10	5901508154354	75W	P14S	2000	2000
PT2P73-D10	5901508154354	75W	P14S	2000	2000

#### LIGHTBARS

compact and bright light with low power consumption

powerful and efficient LEDs providing up to 20400Lm

wide range of beam types: spot, flood, combo

lightweight housing with excellent heat dissipation for the extended lifespan

wide range of model sizes from 96 to 1160mm

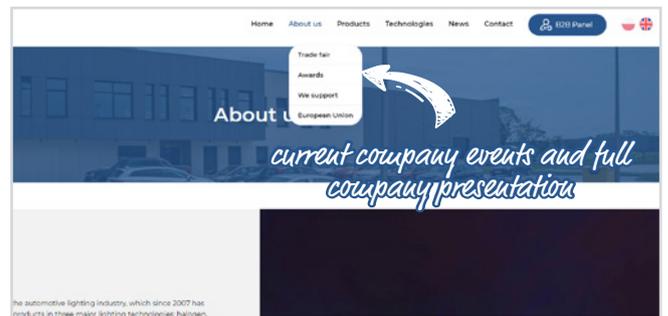
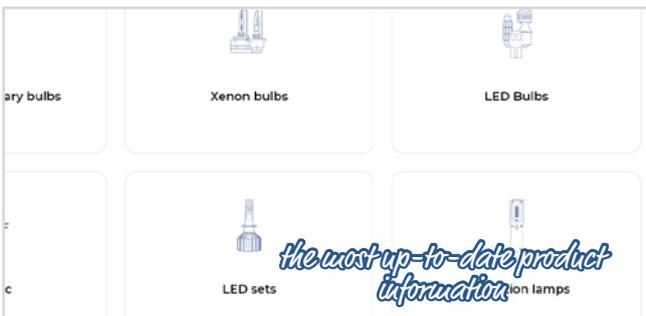
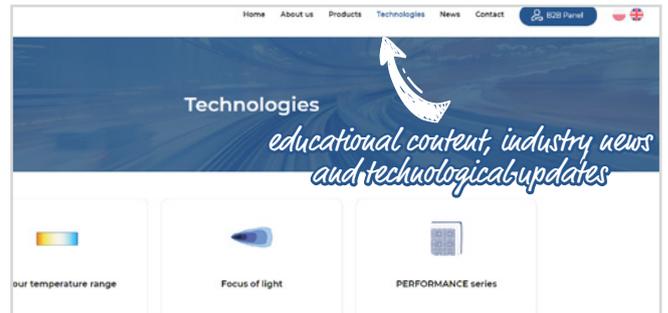
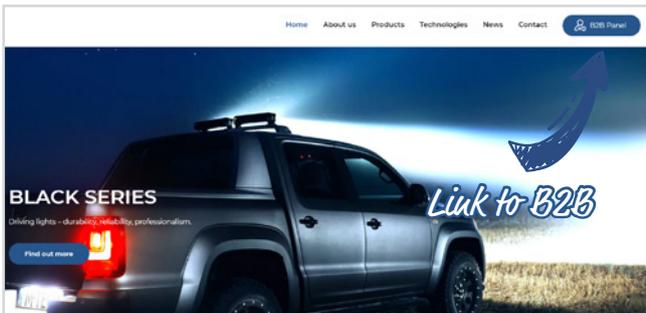
compatible with 12V and 24V installations

- UP TO 6000K
- Colour temperature up to 6000K
- With temperature up to 60°C
- Waterproof IP67
- Lifespan up to 30,000 hours

REF.	EAN CODE	LED QTY	DIMENSIONS	MAX. POWER / VOLTAGE	LUMENS
WL0601	5901508154354	6xHigh Power	4" x 3.7x2.8x0.87" (3mm)	100W/12V-24V	max 1200
WL0602	5901508154354	12xHigh Power	4" x 5.1x3.4x0.87" (3mm)	200W/12V-24V	max 2400
WL0603	5901508154354	18xHigh Power	4" x 7.2x3.4x0.87" (3mm)	300W/12V-24V	max 3600
WL0604	5901508154354	24xHigh Power	4" x 9.1x3.4x0.87" (3mm)	400W/12V-24V	max 4800
WL0605	5901508154354	30xHigh Power	5" x 10.2x3.4x0.87" (3mm)	500W/12V-24V	max 6000
WL0606	5901508154354	36xHigh Power	5" x 11.3x3.4x0.87" (3mm)	600W/12V-24V	max 7200
WL0607	5901508154354	42xHigh Power	5" x 12.4x3.4x0.87" (3mm)	700W/12V-24V	max 8400
WL0608	5901508154354	48xHigh Power	5" x 13.5x3.4x0.87" (3mm)	800W/12V-24V	max 9600
WL0609	5901508154354	54xHigh Power	5" x 14.6x3.4x0.87" (3mm)	900W/12V-24V	max 10800
WL0610	5901508154354	60xHigh Power	5" x 15.7x3.4x0.87" (3mm)	1000W/12V-24V	max 12000
WL0611	5901508154354	66xHigh Power	5" x 16.8x3.4x0.87" (3mm)	1100W/12V-24V	max 13200
WL0612	5901508154354	72xHigh Power	5" x 17.9x3.4x0.87" (3mm)	1200W/12V-24V	max 14400
WL0613	5901508154354	78xHigh Power	5" x 19.0x3.4x0.87" (3mm)	1300W/12V-24V	max 15600
WL0614	5901508154354	84xHigh Power	5" x 20.1x3.4x0.87" (3mm)	1400W/12V-24V	max 16800
WL0615	5901508154354	90xHigh Power	5" x 21.2x3.4x0.87" (3mm)	1500W/12V-24V	max 18000
WL0616	5901508154354	96xHigh Power	5" x 22.3x3.4x0.87" (3mm)	1600W/12V-24V	max 19200
WL0617	5901508154354	102xHigh Power	5" x 23.4x3.4x0.87" (3mm)	1700W/12V-24V	max 20400



## CATALOGUE 24V SOON!





## PROBABLY THE WIDEST RANGE OF LED RETROFITS FOR 24V INSTALLATION.



LED retrofits are becoming increasingly popular among car users. M-TECH company as one of the leaders in the automotive lighting industry now has one of the widest available on the market - offer of replacements for traditional light bulbs. Available series Basic, Premium, Platinum and Heavy Duty allow to meet requirements of the most demanding road users both in

terms of price, source of light, shape or size.

Unfortunately for many drivers the main group of customers that the leading manufacturers focus on are the owners of cars with 12V installation. There is no wide range of retrofits on the market designed for 24V vehicles. To meet the expectations of customers, M-TECH has introduced to its offer 11 new models of LED retrofits compatible with 24V electrical installation. This allows us to boast one of the widest ranges of products in this segment.

M-TECH LED retrofits have been designed by the R&D department using the best components from light source to resistors and semiconductors. Additionally, all the described LED retrofits have been equipped with a special surge protector protecting diodes against voltage increase in the car's installation and, consequently, against burning out.

At the same time replacements for traditional bulbs such as W5W, C5W, BA15s or BAY15d have their premiere. The bulbs have been designed in such a way as not to cause the error of a burnt out bulb. They are used to illuminate the interior of the vehicle in the headliner, glove compartments, trunk interior and door lighting.

The offer includes retrofits W5W in different variants. If you are looking for a flat bulb where the diodes are located on both sides of the PCB plate then choose model LB9801W or LB9806W, if you are looking for one light source only to the front choose model LB9329W, if you want the bulb to shine to the front and around choose model LB9804W or LB9312W.



The offer of C5W bulb substitutes is equally wide.

The offer includes models with different lengths (36 and 41 mm) and the light source used (SMD or HP diode with lens). If you are looking for a 36mm "tube" substitute choose the LB9812W or LB9815W, if you are looking for a 41mm substitute choose the LB9814W or LB9816W.

The offer is completed by two models which are substitutes of the bulbs with BA15s and BAY15d bases.

It is worth mentioning that the LB9854W (BA15s) bulb has been equipped with 48 diodes while the LB9812W has a lens and a specially designed reflector which allows for maximum use of the branded light sources used.

Moreover, M-TECH has not said the last word on the subject yet, namely, the M-TECH R&D department is constantly working on the next novelties for 24V installations, that is why we encourage you to keep track of the offer in the LED retrofits category.

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

*Bartłomiej Szternal  
M-TECH Product Manager*

# ILPRO120 WORKSHOP LAMP

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 the trend.

In order to meet customer expectations, the company has introduced a brand new model - ILPRO120 - extending 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 various widths depending on a car model, one of the most important features a lamp of this type should have is adjustable arm span. The ILPRO120 lamp can boast of adjustment within the range of 113 to 164 cm (possibility of extending it from two sides simultaneously). The arm handles are covered with a special material which ensures 100% protection of the varnish from scratches or damage. 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 long hours of work without fatigue. 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 boasts a 5000 mAh capacity cell, which is hard to find in competitor models. Thanks to 3 light modes and a very capacious battery we can enjoy continuous operation even for 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.

ILPRO120 utilizes 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.

*Bartłomiej Szternal*  
M-TECH Product Manager

## PRO SERIES INSPECTION LAMPS

### ILPRO120

# PROFESSIONAL LAMP

for engine  
compartment  
lighting



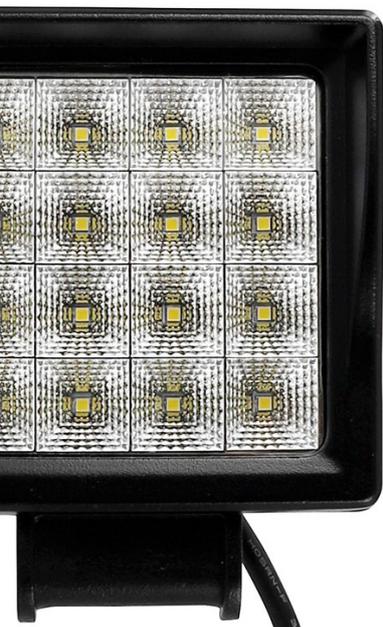


## BET ON POWER AND RELIABILITY!

A revolution is underway in the LED work lighting segment. M-TECH has once again set the standard in the automotive lighting market and has in its offer a series of LED work lights, which was called Performance. As the name suggests, this is a range of products with above-average performance, this provides above all comfort during night work or off road travel, making it very popular with both professional and amateur users. Multi-structure, advanced reflector, with a square shape works with LEDs from reputable manufacturers, including those from Osram. These diodes are characterized by high efficiency, so they do not generate high operating temperature. Thanks to that, not only do we obtain a high value of lumens emitted throughout the lamp's operation, but it also has a beneficial effect on the condition of the electronic system and extends its life. Innovative reflector, thanks to its complex structure of reflections and square cross-section, effectively supports uniform reflection of rays on the whole illuminated area. In contrast to reflectors with a round cross-section and modest structure of reflections, the lamps of Performance series do not have the effect that the

closer to the centre of illuminated field the brighter they are, which is characteristic for traditional products. The system of efficient LED diodes together with newly developed multi-structure reflector is effective in every respect and will surely find its application in further M-TECH products. The offer will soon be extended by other items, including the popular LED lighting bars, which like many M-TECH products will be equipped with Osram LEDs.

It should be noted that these types of solutions do not have road approval and the use of working or typical off-road LED lamps on the road, may end up in a fine. Admittedly, you can find ads offering such lamps with the alleged approval, but it is just a play on words on the part of the seller, because the lamp does have a certificate, but only according to the



WLC43



R10 Directive, i.e. as a confirmation that it does not emit electromagnetic field, which would affect the operation of other devices in the vehicle.

Therefore, if you are preparing your car for a trip, it is worth equipping yourself with long-range LED lamps, which, thanks

to the fact that they have a road approval according to the R112 directive, can be legally used on public roads. These lamps are characterized by the fact that they emit a strong light with a very focused beam, which on the road, then we will not dazzle anyone, will allow us an effective range of vision



WLBC157

up to 400 meters. M-TECH offers auxiliary lights available in different shapes, both round, like traditional halogen, as well as rectangular, or in the shape of LED strips. What is more, to meet our clients needs in terms of retrofitting, tuning and personalization of vehicles, M-TECH offers Black Series lamps. Black additives add animation and combat character not only to off-road vehicles or trucks but to all vehicles as well. Tinted lamps have long been a heartbeat of automotive enthusiasts. Black Series from M-TECH offers LED lamp models for users for whom looks counts as much as performance. The road lamps in the form of traditional round halogens and lightbars in this series offer up to 7200 lumens, as the dark glass effect has been obtained through an optical procedure inside the lamp



WLBC758

and does not adversely affect the lighting parameters. So you can enjoy both a bright, powerful light at night on suburban roads and a racy look during the day. The Black Series also includes work lamps that, with their black reflector finish, blend in well with vehicle components such as bumpers or roof racks. The Black Series range is constantly being updated and expanded with new visually appealing models, which we will be sure to keep you updated on.

*David Bystroń*  
M-TECH Product Manager



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



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 POLAND**  
66 obserwujących  
2 mies. •

Due to the global pandemic difficulties, we invite you to meet M-TECH team virtually. [#team](#) [#mtech](#)

One of the objectives of our company is directly implemented business consulting, which is possible thanks to the employment of specialised advisors. It is thanks to their commitment, professionalism and hard work that we are developing so dynamically. In this video you will see some of our team! We hope you enjoy this new project and, despite the global difficulties we have faced, we will remember that we are a strong team, thanks to which we can continually succeed together.

[#mtechpoland](#) [#mtechonboard](#) [#automotive](#) [#automotivelighting](#) [#teamwork](#)

Zobacz tłumaczenie

Meet M-TECH team

18 • 1081 wyświetleń

**M-TECH POLAND**  
21 •

Hall 3.0 Stand D04

This year's edition is unique. We are dealing with a hybrid trade fair concept: live and online. By using an innovative platform that enables business meetings both face-to-face and online, we believe AUTOMECHANIKA FRANKFURT 2021 is a range of opportunities, a promise of success and a time full of industry challenges!

At this year's trade fair, in addition to our regular wide range of M-TECH products, we are showcasing new products:

- the ILPRO series of professional workshop lamps, which is the answer to M-TECH's drive to create precise and safe workplace lighting.
- a series of PRO LED SETS with innovative ACTIVE AIR cooling system, compact housing for easy installation and detachable base flange
- the widest range of LED retrofits for 24V installations, which includes the most popular types of bulbs for trucks.

As creators of new lighting solutions, we place great emphasis on attending the most important business events of the automotive aftermarket industry. Therefore, we hope that AUTOMECHANIKA FRANKFURT 2021 is the beginning of positive changes enabling to build further business relations and mutual trust. We would like to remind you that the booth space ensures that you can keep a safe distance!

We invite you to visit our stand!  
Hall 3.0 Stand D04

[#automechanika](#) [#mess Frankfurt](#) [#automotive](#) [#technology](#)  
[#automechanikafrankfurt](#) [#frankfurt event](#) [#automotive](#) [#automotiveservice](#)  
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Zobacz tłumaczenie

AUTOMECHANIKA FRANKFURT 2021

11

**M-TECH POLAND**  
18 obserwujących  
1 mies. • Edytowano •

It's here! New M-TECH website! [www.m-tech.pl](#)

Consistent implementation of strategic objectives and listening to customer needs allows us to present our latest project! We have implemented our new version of the M-TECH website! The new version of [www.m-tech.pl](#) is much more than a modern layout. It's an intuitive, improved web structure, filled with industry-specific content. In addition, our new website is interactive and mobile-friendly. It also offers full integration with our B2B platform.

The [www.m-tech.pl](#) website is a consistent design with a new layout which you will see in our marketing content more and more often.

Welcome to our new website:

- the most up-to-date product information
- educational content and industry news
- technology news
- current company events
- full company presentations
- information on automotive industry events
- marketing materials and manuals available for download
- permanent access to current publications in magazines

See for yourself today!

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Zobacz tłumaczenie

NEW M-TECH WEBSITE!

New website m-tech.pl

9 • 1 komentarz

**M-TECH POLAND**  
66 obserwujących  
3 mies. •

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. Enjoy your reading!

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[#innovation](#) [#design](#) [#lighting](#) [#led](#) [#construction](#)

Zobacz tłumaczenie

TECH

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

M-TECH POLAND na LinkedIn • Do przeczytania w 5 min.

Burning out bulbs is a common problem for many drivers. This is why LED retrofits are becoming...

7

BA15s.

Read our article and find out more!

[#mtech](#) [#mtechpoland](#) [#mtechonboard](#) [#automotive](#) [#automotivelighting](#)  
[#innovation](#)

Zobacz tłumaczenie

TECH

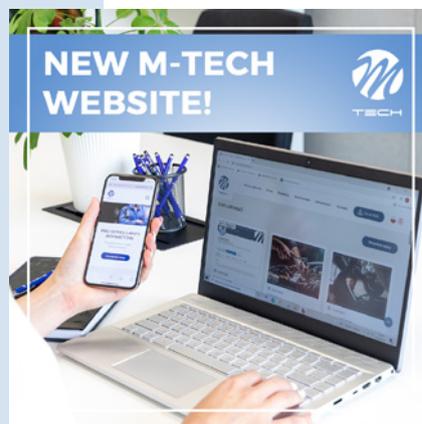


Scan me!

# 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

available again in our regular offer

## INSPECTION LAMPS



**ILPRO120**

EAN: 5901508544247

## LED BULBS



**LB9312W**

EAN: 5901508549501



**LB9329W**

EAN: 5901508549495



**LB9354W**

EAN: 5901508549518



**LB9801W**

EAN: 5901508549426



**LB9804W**

EAN: 5901508549433



**LB9806W**

EAN: 5901508549440



**LB9812W**

EAN: 5901508549525



**LB9813W**

EAN: 5901508549457



**LB9814W**

EAN: 5901508549464



**LB9815W**

EAN: 5901508549471



**LB9816W**

EAN: 5901508549488



TECH

# PRO SERIES

INSPECTION LAMPS

## ILPRO120



LED battery level indicator



120 SMD LED



2 IN 1 DUAL POWER SYSTEM



UP TO 163cm



1800lm



UP TO 5700K



2x

## PROFESSIONAL LAMP FOR ENGINE COMPARTMENT LIGHTING

M-TECH PRO WORKSHOP LAMPS ARE THE ANSWER TO THE NEEDS OF THE MOST DEMANDING USERS.

*Bartłomiej Szternal  
Product Manager of M-TECH*



You will find M-TECH products at the best Polish wholesalers and automotive shops.



facebook.com/mtechpoland

www.m-tech.pl

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