

.MTXLED
SOLUTIONS

AUTOMOTIVE PRODUCTS

MTX LED Solutions

MTX LED SOLUTIONS is a modern and dynamically developing company with its head office and factory in Romania.

Since the very beginning, we have been guided by the idea of manufacturing lamps for the automotive industry, with emphasis on high design and production quality, the latest technology, and product longevity.

For this reason, our engineering office, production and warehouse are located in Europe. This allows us to obtain high design and production quality, and enables quick and easy customization according to customer's needs.

Furthermore, components used for the production are carefully selected from the offer of our business partners, which ensures the highest quality - for that reason diodes of the American company Cree® are the heart of our lamps.

As an European producer, we are subject to ISO 9001:2015 certification system, which ensures observance of all processes in order to maintain and improve quality. We collaborate with one of the most respected organizations in the industry, TÜV Rheinland.

With a team of committed employees, we are continuously developing our offer that meets increasing demand for lighting devices in the widely understood automotive industry.



HOW DOES IT WORK :

01. Concept

we try to gather as much information on our customer's needs as possible.

We identify customer's expectations in terms of optical and technical parameters, shape and operating conditions. With this information at hand, we strive to design solutions meeting the highest technical standards and matching the design of vehicle bodywork used by our customers, as well as taking into account possible changes in the automotive industry.

This allows our product to invariably benefit from modern design and easy mounting.

02. Implementation

after the stage of approval and functionality check on 3D models, first test products are created, which undergo a series of electromechanical tests.

We are testing luminous efficiency, tightness level, resistance to vibration, the level of protection against mechanical damage, and other aspects required in a project.

After internal tests, products are sent to external certification bodies, enabling us to introduce our products to global markets in accordance with the internal regulations of a given country.

For the European market, internal European regulations are being complied with, and additional certification is granted in accordance with ECE R10 and ECE R65 rules and regulations

03. Production

takes place mainly in our manufacturing plant in Romania. At customer's request we are able to provide additional sets of connectors, cable harnesses of customized length, and modified mounting systems.

The quality control department tests each product, which ensures a very low failure rate of our solutions.

04. Supply and support

are of the highest standard. With our production halls and a warehouse located in Central-East Europe, we are able to ensure swift completion of logistic deliveries.

Our employees ensure that our customers have access to technical support at all times, in addition to professional products of the highest standards.

Each customer is provided with personalized support both at project level and after-sales services. This contributes to the optimization of costs in the process of document assembly and putting vehicles into service.

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Our motto is
always the same
**the long-term
business partnership**

CONTACT

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DataSheet mSWM

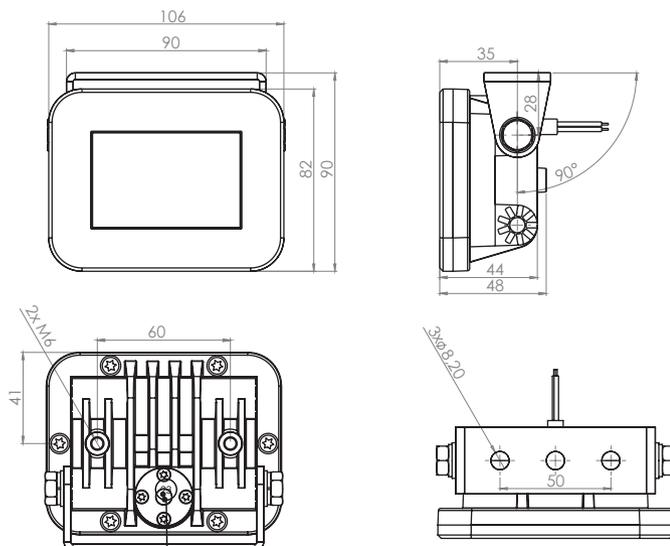
The latest generation of work lights by the Romanian manufacturer MTX LED SOLUTIONS, is ideal for working in the most demanding applications. The lamps are widely applied in heavyweight trucks, off-road cars, agricultural and construction machines or fire-fighting vehicles. The use of new-generation LEDs by CREE® guarantees very high light output efficiency values, up to 2500 lm for the 21 W mSWM lamp.

The aluminum fixtures (body & front) guarantee adequate LED cooling which, combined with an equally durable tempered glass cover, guarantees extraordinary resistance to mechanic damages, impacts or humidity, and establishes a new standard on the market of work lights, intended to work in the most demanding environments. The innovative appearance and diverse installation methods give the lamp a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency
- Heavy duty construction – aluminum heatsink
- Overheat protection
- Reverse voltage protection
- Reflectors covered with tempered glass
- **Compact size**
- **High luminous flux of 2500 lm**

DIMENSIONS



CREE 
 ▶ LED Solution Provider

R 10

IP 67

CE

RoHS

S P E C I F I C A T I O N S

	mSWM-14- WW-xx**-AAG	mSWM-15-CW-xx**-AAG	mSWM-20-CW-xx**-AAG	mSWM-23-CW-xx**-AAG
Compliance	R10	R10	R10	R10
LED Module Luminous Flux	1650 lm	1730 lm	2300 lm	2670 lm
Lamp Luminous Flux	1430 lm	1500 lm	2000 lm	2320 lm
LED family	CREE® XT-E	CREE® XT-E	CREE® XP-G3	CREE® XP-G3 S-line
Colour Temperature	3000 K	6500 K	5700 K	5000 K
CRI Colour Rendering Index	80	70	70	70
Supply Voltage Range	10.5-31 V	10.5-31 V	10.5-31 V	10.5-31 V
Power supply type	DC	DC	DC	DC
Maximum Power	16W	16W	20 W	21 W
Number of LEDs	6	6	6	6
Ambient Temperature Range	-30°C ÷ 50°C	-30°C ÷ 50°C	-30°C ÷ 50°C	-30°C ÷ 50°C
Tc max.	85°C	85°C	85°C	85°C
Dimensions	106/82/48 mm	106/82/48 mm	106/82/48 mm	106/82/48 mm
IP rating	IP67	IP67	IP67	IP67
Radiator color	black	black	black	black
Cable length	350 mm/5 m*	350 mm/5 m*	350 mm/5 m*	350 mm/5 m*
Cable type	H05RN-F 0,75 mm ² / Spiral Cord*			
Weight	530 g	530 g	530 g	530 g
Beam Angle	15° 35°	15° 35°	15° 35°	15° 35°
Available Connectors***	OH-2, ATM	OH-2, ATM	OH-2, ATM	OH-2, ATM
Lifetime****	≥ 35000 h	≥ 35000 h	≥ 35000 h	≥ 35000 h

* spiral cord | ** angle FWHM | *** as accessory | **** estimated lifetime based on calculated lifetime of critical components

A P P L I C A T I O N S

mSWM can be widely used in different types of applications:

- Auxiliary vehicle lights
- Tow truck work lights
- Off-Road cars lights
- Construction site lighting
- Agricultural machinery lights
- Heavyweight trucks lights
- Fire-fighting vehicles lights



DataSheet mSWM-r

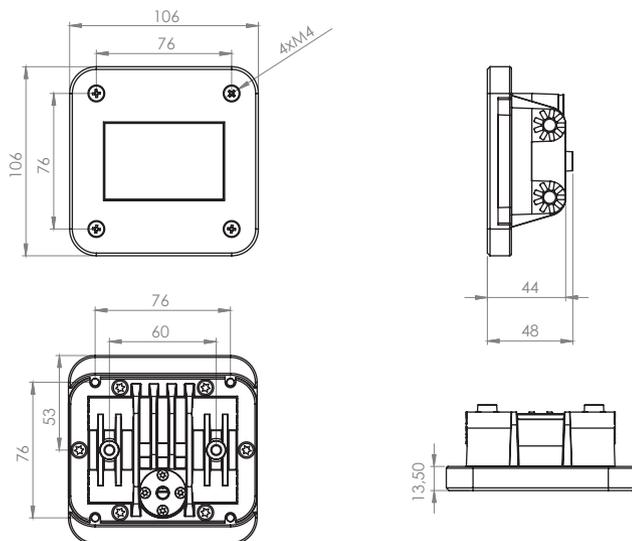
The latest generation of work lights by the Romanian manufacturer MTX LED SOLUTIONS, is ideal for working in the most demanding applications. The lamps are widely applied in heavyweight trucks, off-road cars, agricultural and construction machines or fire-fighting vehicles. The use of new-generation LEDs by CREE® guarantees very high light output efficiency values, up to 2100 lm for the 21 W mSWM-r lamp.

The aluminum fixtures (body & front) guarantee adequate LED cooling which, combined with an equally durable tempered glass cover, guarantees extraordinary resistance to mechanic damages, impacts or humidity, and establishes a new standard on the market of worklights intended to work in the most demanding environments. The innovative appearance and diverse installation methods give the lamp a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency
- Heavy duty construction – aluminum heatsink
- Overheat protection
- Reverse voltage protection
- Reflectors covered with tempered glass
- Dedicated to built in option
- **Possibility to assembly into a recessed installation**

DIMENSIONS



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SPECIFICATIONS

	mSWM-13-CW-xx*-AAG	mSWM-18-CW-xx*-AAG	mSWM-21-CW-xx*-AAG
Compliance	R10	R10	R10
LED Module Luminous Flux	1730 lm	2300 lm	2670 lm
Lamp Luminous Flux	1350 lm	1800 lm	2100 lm
LED family	CREE® XT-E	CREE® XP-G3	CREE® XP-G3 S-line
Colour Temperature	6500 K	5700 K	5000 K
CRI Colour Rendering Index	70	70	70
Supply Voltage Range	10.5-31 V	10.5-31 V	10.5-31 V
Power supply type	DC	DC	DC
Maximum Power	16 W	20 W	21 W
Number of LEDs	6	6	6
Ambient Temperature Range	-30°C ÷ 50°C	-30°C ÷ 50°C	-30°C ÷ 50°C
Tc max.	85°C	85°C	85°C
Dimensions	106/82/48 mm	106/106/48 mm	106/106/48 mm
IP rating	IP67	IP67	IP67
Radiator color	black	black	black
Cable length	350 mm/5 m*	350 mm	350 mm
Cable type	H05RN-F 0,75 mm ²	H05RN-F 0,75 mm ²	H05RN-F 0,75 mm ²
Weight	530 g	580 g	580 g
Beam Angle	24° 44°	24° 44°	24° 44°
Available Connectors***	OH-2, ATM	OH-2, ATM	OH-2, ATM
Lifetime****	≥ 35000 h	≥ 35000 h	≥ 35000 h

* spiral cord | * angle FWHM | *** as accessory | **** estimated lifetime based on calculated lifetime of critical components

APPLICATIONS

mSWM-r can be widely used in different types of applications:

- Auxiliary vehicle lights
- Tow truck work lights
- Off-Road cars lights
- Construction site lighting
- Agricultural machinery lights
- Heavyweight trucks lights
- Fire-fighting vehicles lights



DataSheet sSWM

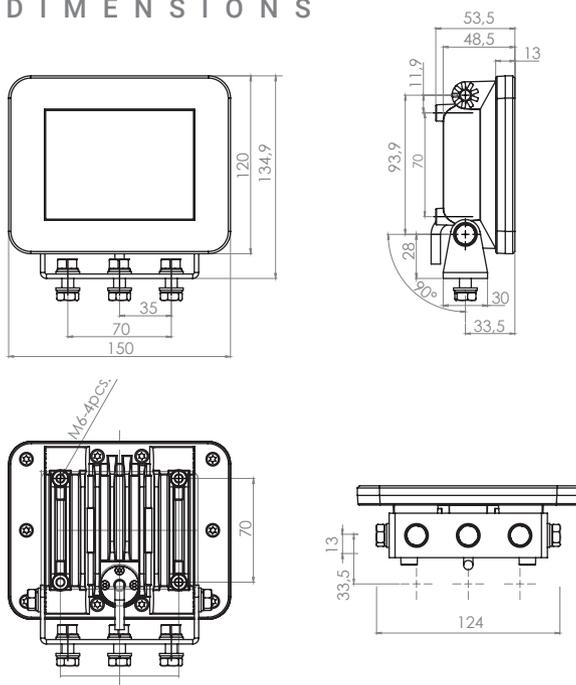
The latest generation of work lights by the Romanian manufacturer MTX LED SOLUTIONS is ideal for working in the most demanding applications. The lamps are widely applied in heavyweight trucks, off-road cars, agricultural and construction machines or fire-fighting vehicles.

The use of new-generation LEDs by CREE® guarantees very high light output efficiency values, up to 4600 lm for the 41 W sSWM lamp. The aluminum fixtures (body + front) guarantee adequate LED cooling which, combined with an equally durable tempered glass cover, guarantees extraordinary resistance to mechanic damages, impacts or humidity, and establishes a new standard on the market of work lights intended to work in the most demanding environments. The innovative appearance and diverse installation methods give the lamp a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency
- Heavy duty construction – aluminum heatsink
- Overheat protection
- Reverse voltage protection
- Reflectors covered with tempered glass
- **Powder Coating, UV-resistant paint**

DIMENSIONS



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S P E C I F I C A T I O N S

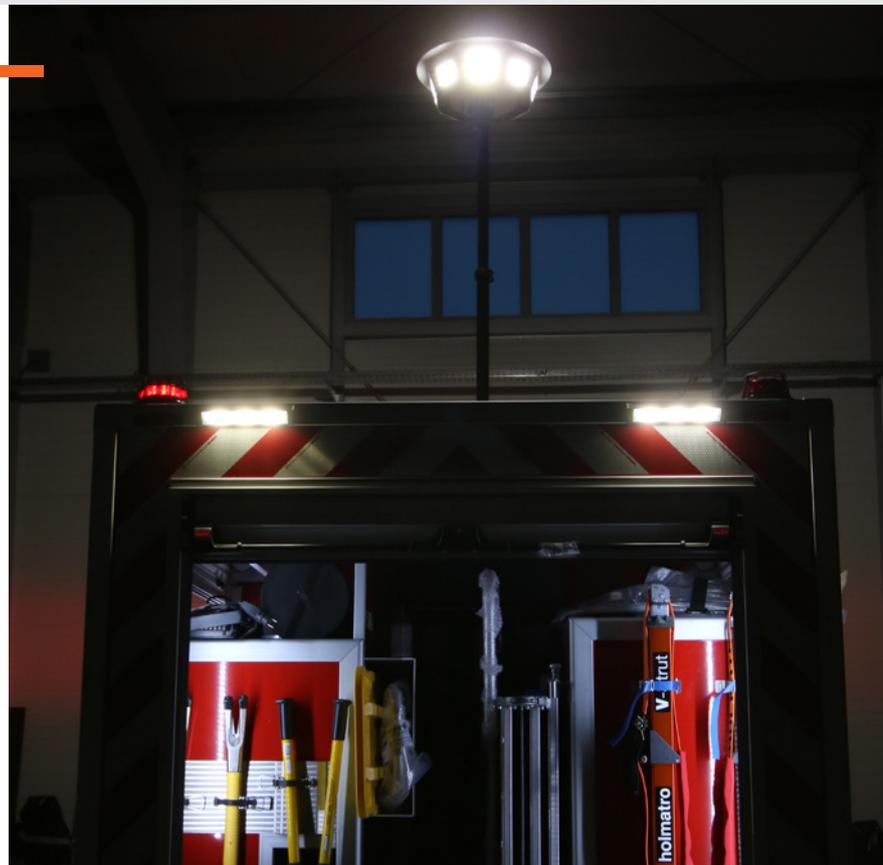
	sSWM-28-WW-xx**-AAG	sSWM-30-CW-xx**-AAG	sSWM-35-CW-xx**-AAG	sSWM-47-CW-xx**-AAG
Compliance	R10	R10	R10	R10
LED Module Luminous Flux	3240 lm	3430 lm	4000 lm	5330 lm
Lamp Luminous Flux	2820 lm	3000 lm	3500 lm	4660 lm
LED family	XT-E	XTE	XP-G3	XP-G3
Colour Temperature	3000 K	6500 K	5700 K	5000 K
CRI Colour Rendering Index	80	70	70	70
Supply Voltage Range	10.5-31 V	10.5-31 V	10.5-31 V	10.5-31 V
Power supply type	DC	DC	DC	DC
Maximum Power	32 W	32 W	33 W	41 W
Number of LEDs	12	12	12	12
Ambient Temperature Range	-30°C ÷ 50°C	-30°C ÷ 50°C	-30°C ÷ 50°C	-30°C ÷ 50°C
Tc max.	85°C	85°C	85°C	85°C
Dimensions	150/120/54 mm	150/120/54 mm	150/120/54 mm	150/120/54 mm
IP rating	IP67	IP67	IP67	IP67
Radiator color	black	black	black	black
Cable length	350 mm/5 m	350 mm/5 m	350 mm/5 m	350 mm/5 m
Cable type	H05RN-F 0,75 mm ² / Spiral Cord*			
Weight	1070 g	1070 g	1070 g	1070 g
Beam Angle	15°, 35°	15°, 35°	15°, 35°	15°, 35°
Available Connectors***	OH-2, ATM	OH-2, ATM	OH-2, ATM	OH-2, ATM
Lifetime****	≥ 35000 h	≥ 35000 h	≥ 35000 h	≥ 35000 h

* spiral cord | ** angle FWHM | *** as accessory | **** estimated lifetime based on calculated lifetime of critical components

A P P L I C A T I O N S

sSWM can be widely used in different types of applications:

- Auxiliary vehicle lights
- Tow truck working lights
- Off-Road cars lights
- Construction site lighting
- Agricultural machinery lights
- Heavyweight trucks lights
- Fire-fighting vehicles lights



DataSheet bSWM

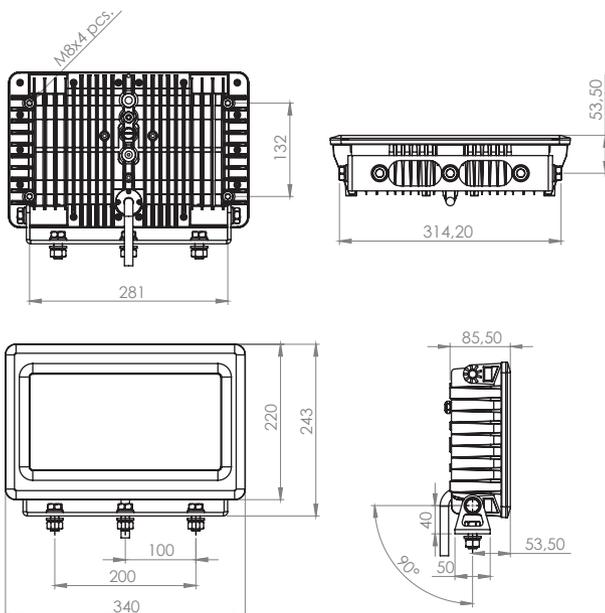
The latest generation of working lamps by the Romanian manufacturer MTX LED SOLUTIONS, is ideal for working in the most demanding applications. The lamps are widely applied in heavyweight trucks, off-road cars, agricultural and construction machines or fire-fighting vehicles.

The use of new-generation LEDs by CREE® guarantees very high light output efficiency values, up to 25000 lm for the 210 W bSWM lamp. The aluminum fixtures (body + front) guarantee adequate LED cooling which, combined with an equally durable tempered glass cover, guarantees extraordinary resistance to mechanic damages, impacts or humidity, and establishes a new standard on the market of lamps intended to work in the most demanding environments. The innovative appearance and diverse installation methods give the lamp a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency
- Heavy duty construction – aluminum heatsink
- Overheat protection
- Reverse voltage protection
- Reflectors covered with tempered glass
- **Tempered glass mentioned above**

DIMENSIONS



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R 10

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RoHS

S P E C I F I C A T I O N S

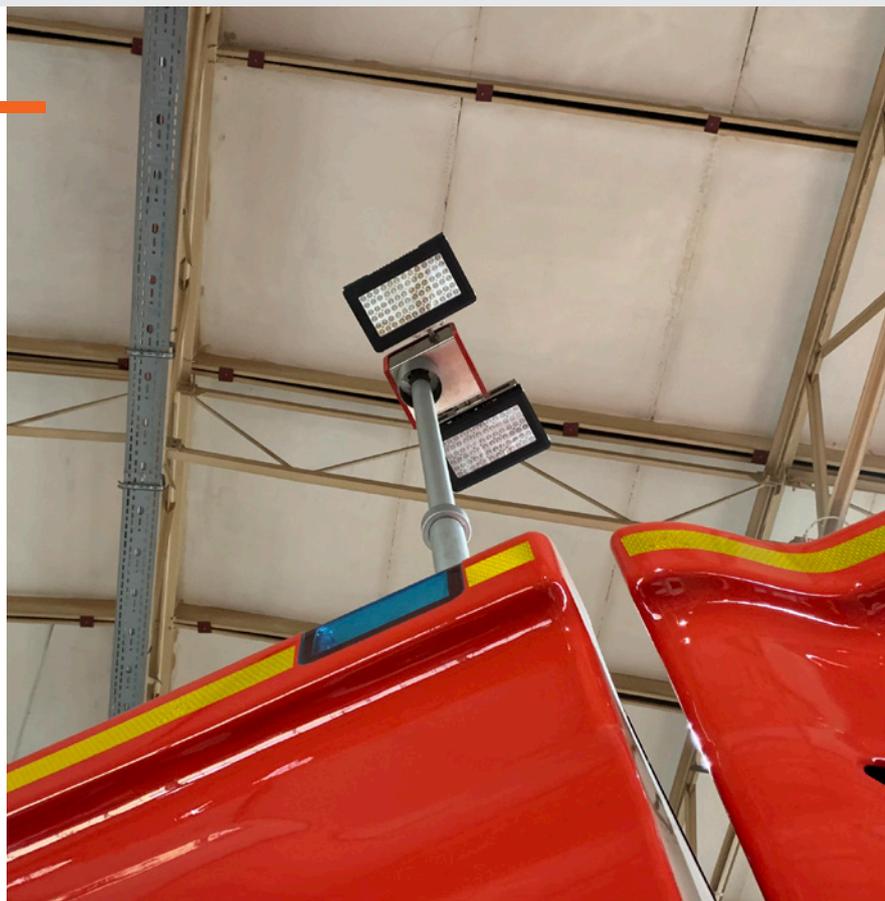
	bSWM-150-CW-xx*-AAG	bSWM-200-CW-xx*-AAG	bSWM-256-CW-xx*-AAG
Compliance	R10	R10	R10
LED Module Luminous Flux	17250 lm	23000 lm	29430 lm
Lamp Luminous Flux	15000 lm	20000 lm	25590 lm
LED family	CREE® XT-E	CREE® XP-G3	CREE® XP-G3
Colour Temperature	6500 K	5700 K	5000 K
CRI Colour Rendering Index	70	70	70
Supply Voltage Range	10.5-31 V	10.5-31 V	10.5-31 V
Power supply type	DC	DC	DC
Maximum Power	150 W	175 W	210 W
Number of LEDs	72	72	12
Ambient Temperature Range	-30°C ÷ 50°C	-30°C ÷ 50°C	-30°C ÷ 50°C
Tc max.	85°C	85°C	85°C
Dimensions	340/220/85,5 mm	340/220/85,5 mm	340/220/85,5 mm
IP rating	IP67	IP67	IP67
Radiator color	black	black	black
Cable length	500 mm	500 mm	500 mm
Cable type	H07RN-F 3x 2,5 mm ²	H07RN-F 3x 2,5 mm ²	H07RN-F 3x 2,5 mm ²
Weight	5,8 kg	5,8 kg	5,8 kg
Beam Angle	15°, 35°, mixed (code 99)	15°, 35°, mixed (code 99)	15°, 35°, mixed (code 99)
Lifetime****	≥ 35000 h	≥ 35000 h	≥ 35000 h

**** estimated lifetime based on calculated lifetime of critical components

A P P L I C A T I O N S

bSWM can be widely used in different types of applications:

- Auxiliary vehicle lights
- Tow truck working lights
- Off-Road cars lights
- Construction lamps
- Agricultural machinery lights
- Heavyweight trucks lights
- Fire-fighting vehicles lights



DataSheet bSWM-n

The latest generation of working lamps by the Romanian manufacturer MTX LED SOLUTIONS, is ideal for working in the most demanding applications. The lamps are mainly applied in mast in firefighting. They are also applied in heavyweight trucks, off-road cars, agricultural and construction machines.

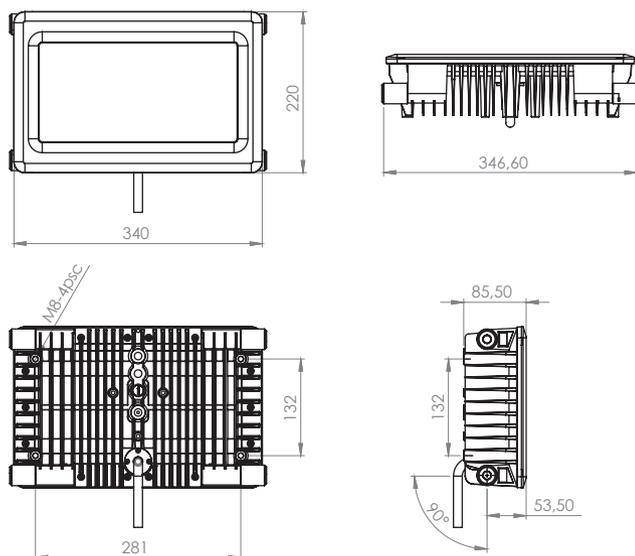
The use of new-generation LEDs by CREE® guarantees very high light output efficiency values, up to 25000 lm for the 223 W bSWM-n lamp.

The aluminum fixtures (body + front) guarantee adequate LED cooling which, combined with an equally durable tempered glass cover, guarantees extraordinary resistance to mechanic damages, impacts or humidity, and establishes a new standard on the market of lamps intended to work in the most demanding environments. Use of side light allows to lighting even more surface. The innovative appearance and diverse installation methods give the lamp a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency
- Heavy duty construction – aluminum heatsink
- Lighting side surface
- Overheat protection
- Reverse voltage protection
- Reflectors covered with tempered glass
- **Additional lighting of the workplace under the mast**

DIMENSIONS



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R 10

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RoHS

S P E C I F I C A T I O N S

	bSWM-160-CW-00-AAG	bSWM-210-CW-00-AAG	bSWM-266-CW-00-AAG
Compliance	R10	R10	R10
LED Module Luminous Flux	17250 lm	23000 lm	29430 lm
Lamp Luminous Flux	15000 lm	20000 lm	25590 lm
Side Lights Luminous Flux	1000 lm	1000 lm	1000 lm
LED family	CREE® XT-E	CREE® XP-G3	CREE® XP-G3
Colour Temperature	6500 K	5700 K	5000 K
CRI Colour Rendering Index	70	70	70
Supply Voltage Range	10.5-31 V	10.5-31 V	10.5-31 V
Power supply type	DC	DC	DC
Maximum Power	163 W	188 W	223 W
Number of LEDs	76	76	76
Ambient Temperature Range	-30°C ÷ 50°C	-30°C ÷ 50°C	-30°C ÷ 50°C
Tc max.	85°C	85°C	85°C
Dimensions	340/220/85,5 mm	340/220/85,5 mm	340/220/85,5 mm
IP rating	IP67	IP67	IP67
Radiator color	black	black	black
Cable length	500 mm	500 mm	500 mm
Cable type	H07RN-F 3x 2,5 mm ²	H07RN-F 3x 2,5 mm ²	H07RN-F 3x 2,5 mm ²
Weight	5,2 kg	5,2 kg	5,2 kg
Beam Angle**	15°, 35°	15°, 35°	15°, 35°
Lifetime****	≥ 35000 h	≥ 35000 h	≥ 35000 h

* radiator colour | ** angle FWHM | *** as accessory | **** estimated lifetime based on calculated lifetime of critical components

A P P L I C A T I O N S

bSWM-n can be widely used in different types of applications:

- Mast in firefighting vehicles lamps
- Tow truck working lights
- Off-Road cars lamps
- Agricultural machinery lamps
- Heavyweight trucks lamps
- Auxiliary vehicle lights



DataSheet sRWM

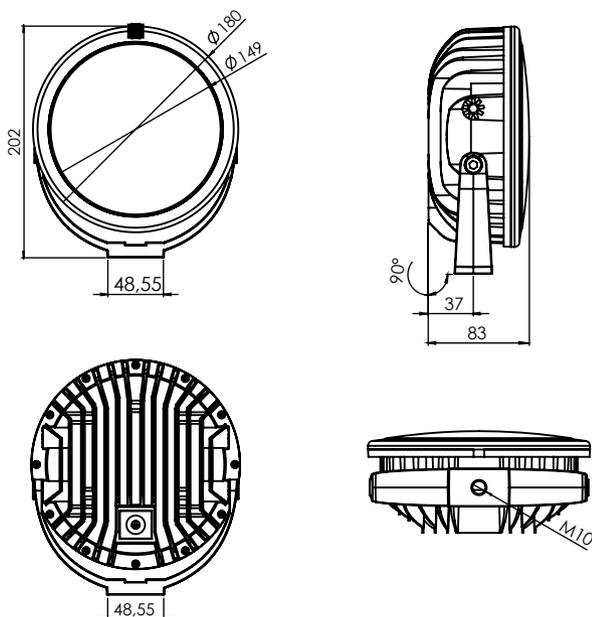
The latest generation of work lamps by the Romanian manufacturer MTX LED SOLUTIONS is ideal for road lighting in the most demanding applications. The lamps are widely applied in heavyweight trucks, off-road cars, roadside assistant vehicles and construction machines or fire-fighting vehicles.

The use of new-generation LEDs by CREE® in driving lights and position lights guarantees very high reflector efficiency. The aluminum fixtures (body & front) guarantee adequate LED cooling which, combined with an equally durable tempered glass cover, guarantees extraordinary resistance to mechanic damages, impacts or humidity, and establishes a new standard on the market of road lighting intended to work in the most demanding environments. The innovative appearance and simple installation give the lamp a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency
- Heavy duty construction
- aluminum heatsink
- Overheat protection
- Reverse voltage protection
- Reflectors covered with tempered glass
- **Approval for position lamp**

DIMENSIONS



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R 112

R 7

R 10

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RoHS

SPECIFICATION

sRWM-35-CW-AAG

Compliance	R7, R112, R10
LED Module Luminous Flux	4010 lm
Lamp Luminous Flux	3500 lm
LED family	XT-E
Colour Temperature	5000 K
CRI Colour Rendering Index	70
Supply Voltage Range	10.5-31 V
Power supply type	DC
Maximum Power High Beam	36 W
Maximum Power Position lights	4 W
Number of LEDs	9+21
Ambient Temperature Range	-30°C ÷ 50°C
Tc max.	85°C
Dimensions	Φ180x83
IP rating	IP67
Radiator color	black
Cable length	500 mm
Cable type	H05RN-F 0,75 mm ²
Weight	1,6 kg
Beam Angle	15°, 35°
Available Connectors***	OH-2, ATM
Lifetime****	≥ 35000 h

*** as accessory | **** estimated lifetime based on calculated lifetime of critical components



APPLICATIONS

sRWM can be widely used in different types of applications:

- Auxiliary vehicle lights
- Tow truck work lights
- Off-Road cars lights
- Roadside assistant vehicles
- Heavyweight trucks lights
- Fire-fighting vehicles lights



DataSheet AWL

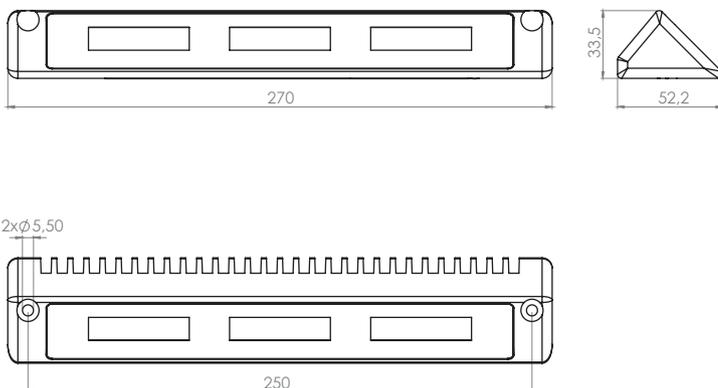
The latest generation of work lamps by the Romanian manufacturer MTX LED SOLUTIONS is ideal for working in the most demanding applications. The work lamps are widely applied in ambulances, fire-fighting vehicles and police cars.

The use of new-generation LEDs very high light output efficiency values 1400 lm for the 15 W AWL lamp (2200 lm, 25 W for high power version). The aluminum fixtures (body) guarantee adequate LED cooling, extraordinary resistance to mechanic damages, impacts or humidity. AWL lamp is waterproof and has IP67 grade. This features establishes a new standard on the market of lamps intended to work in the most demanding environments. The innovative appearance and good performance give the lamp a significant competitive advantage on the market.

FEATURES

- High efficiency
- Heavy duty construction – aluminum heatsink
- Overheat protection
- Reverse voltage protection
- **Aluminium body**

DIMENSIONS



R 10

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S P E C I F I C A T I O N S

	AWL-14-CW-75-AAG-x*	AWL-22-CW-75-AAG-x*
Compliance	R10	R10
LED Module Luminous Flux	1770 lm	2800 lm
Lamp Luminous Flux	1400 lm	2200 lm
LED family	PC33H07	PC33H07
Colour Temperature	5000 K	5000 K
CRI Colour Rendering Index	80	80
Supply Voltage Range	9-31 V	9-31 V
Power supply type	DC	DC
Maximum Power	15 W	25 W
Number of LEDs	24	24
Ambient Temperature Range	-30°C ÷ 50°C	-30°C ÷ 50°C
Tc max.	85°C	85°C
Dimensions	270/52.2/33.5 mm	270/52.2/33.5 mm
IP rating	IP67	IP67
Radiator color	B*-Black, R*-Red, W*-White	B*-Black, R*-Red, W*-White
Cable length	300 mm	300 mm
Cable type	UL1007/UL1569 (AWG18)	UL1007/UL1569 (AWG18)
Weight	450 g	450 g
Beam Angle	100° x 75° (v x h)	100° x 75° (v x h)
Available Connectors**	OH-2, ATM	OH-2, ATM
Lifetime***	≥ 35000 h	≥ 35000 h

* radiator colour | ** as accessory | *** estimated lifetime based on calculated lifetime of critical components

A P P L I C A T I O N S

MTXLED AWL can be widely used in different types of applications:

- Lights for ambulance
- Fire-fighting vehicles lights
- Lights for police car
- Work area lights
- Auxiliary vehicle lights



DataSheet mBWL

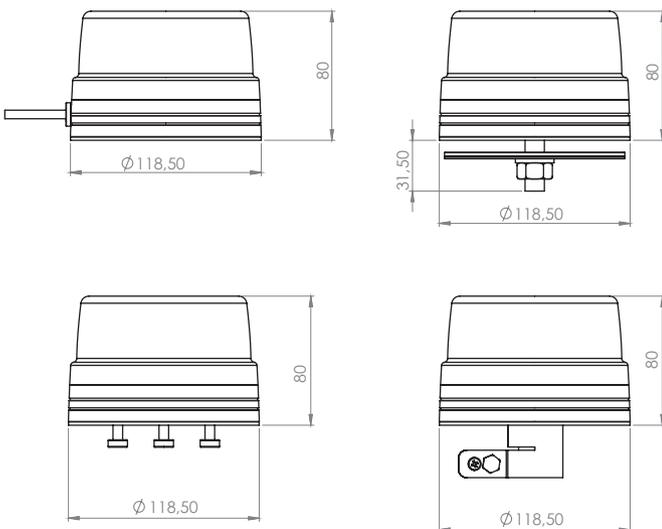
The latest generation of flashing warning lamp mBWL by the Romanian manufacturer MTX LED SOLUTIONS, is an ideal solution for privileged and burdensome vehicles in road traffic. The lamps are widely applied in police cars, fire-fighting vehicles, ambulances, road service vehicles, roadside assistance and construction machines.

High quality of materials guarantees excellent resistance to mechanical damage and humidity. Technical parameters, modern design, dedicated optics and a specially designed lampshade give the lamp a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency and resistant for weather conditions
- Day/night mode
- Reverse polarity protection
- Synchronization up to 10 pcs.
- Memorizing the last flash pattern setting
- 5 Flash Patterns
- **Various mounting systems**

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R 65

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SPEED
250 km/h

S P E C I F I C A T I O N S

	mBWL-Tx*2-y**-z*****-AP	mBWL-TA1-y**-z*****-AP	mBWL-TBR2-C-z*****-AP	mBWL-TBA1-C-z*****-AP
Compliance	R65 class 2 , R10	R65 class 1 , R10	R65 class 2 , R10	R65 class 1 , R10
Light Colour	B*-Blue, R*-Red	Amber	BR*-Blue,Red	BA*-Blue,Amber
Optics Colour	B**-Blue, R**-Red, C**-Clear	A**-Amber, C**-Clear	C-Clear	C-Clear
No. of Warning Patterns	4	4	4	4
LED family	CREE® XP-E2	CREE® XP-E2 (TA2-A: XTE) PC-AMBER lub 2200K	CREE® XQ-E	CREE® XQ-E
Flash frequency	2,1 Hz	2,1 Hz	2,1 Hz	2,1 Hz
Synchronization	up to 10 pcs, alternating and normal			
Supply Voltage Range	11-31 VDC	11-31 VDC	11-31 VDC	11-31V DC
Power supply type	DC	DC	DC	DC
Maximum Power	B*: 32W R*: 23 W	32 W	32 W	32 W
Average Power	B*: 19W R*: 13 W	19 W	19 W	19 W
Number of LEDs	8	8	16	16
Ambient Temperature Range	-30°C/ +50°C	-30°C/ +50°C	-30°C/ +50°C	-30°C/ +50°C
Tc max.	+85°C	+85°C	+85°C	+85°C
Dimensions	Φ118,5/80 mm	Φ118,5/80 mm	Φ118,5/80 mm	Φ118,5/80 mm
IP rating	IP67	IP67	IP67	IP67
Radiator color	Black	Black	Black	Black
Cable length	depending of mounting system: up to 5 m			
Cable type	depending of mounting system	depending of mounting system	depending of mounting system	depending of mounting system
Weight	0,65kg - without mounting system			
Extra Features	Automatic Night Mode	Automatic Night Mode	Automatic Night Mode	Automatic Night Mode
Available Connectors***	depending of mounting system: lighter plug/DIN	depending to mounting system: lighter plug/DIN	depending to mounting system: lighter plug/DIN	depending to mounting system: lighter plug/DIN

* light colour and class | ** lampshade colour | *** as accessory | ***** type of mounting

A P P L I C A T I O N S

mBWL can be widely used
in different types of applications:

- Car police lights
- Ambulance lights
- Vehicles and construction
machines lights
- Fire-fighting vehicles lights
- Roadside assistance vehicles lights
- Road service vehicles lights



DataSheet sBWL

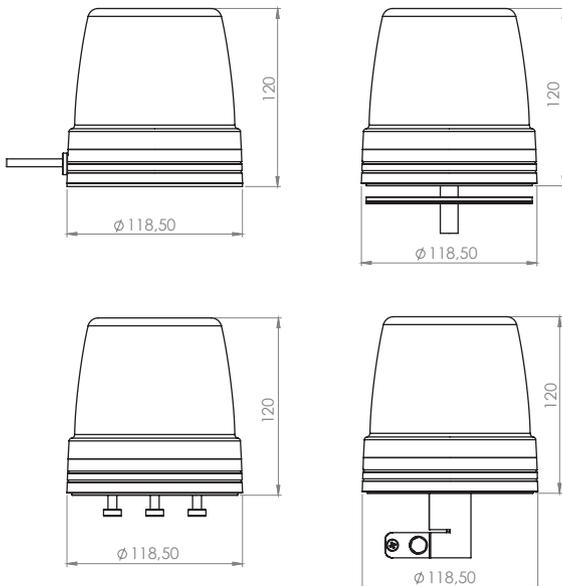
The latest generation of flashing warning lamp sBWL by the Romanian manufacturer MTX LED SOLUTIONS, is an ideal solution for privileged and burdensome vehicles in road traffic. The lamps are widely applied in police cars, fire-fighting vehicles, ambulances, road service vehicles, roadside assistance and construction machines.

High quality of materials guarantees excellent resistance to mechanical damage and humidity. Technical parameters, modern design, dedicated optics and a specially designed lampshade give the lamp a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency and resistant for weather conditions
- Day/night mode
- Reverse polarity protection
- Synchronization up to 10 pcs.
- Memorizing the last flash pattern setting
- 5 Flash Patterns
- **Corrugated lampshade increases the lighting area**

DIMENSIONS



S P E C I F I C A T I O N S

	sBWL-Tx*2-y**-z*****-AP	sBWL-TBR2-C-z*****-AP	sBWL-TBA1-C-z*****-AP
Compliance	R65 class 2, R10	R65 class 2, R10	R65 class 1, R10
Light Colour	B*-Blue, A*-Amber, R*-Red	BR*-Blue-Red	BA*-Blue-Amber
Optics Colour	B**-Blue, R**-Red, A**-Amber, C**-Clear	C-Clear	C-Clear
No. of Warning Patterns	4	4	4
LED family	CREE® XP-E2 (TA2-A: XTE) PC-AMBER lub 2200K	CREE® XP-E2	CREE® XQ-E
Flash frequency	2,1 Hz	2,1 Hz	2,1 Hz
Synchronization	up to 10pcs, alternating and normal	up to 10pcs, alternating and normal	up to 10pcs, alternating and normal
Supply Voltage Range	11-31 VDC	11-31 VDC	11-31 VDC
Power supply type	DC	DC	DC
Maximum Power	A/B*: 35W R*: 25 W	35 W	35 W
Average Power	A/B*: 20W R*: 14 W	20 W	20 W
Number of LEDs	12	24	24
Ambient Temperature Range	-30°C/ +50°C	-30°C/ +50°C	-30°C/ +50°C
Tc max.	+85 °C	+85 °C	+85 °C
Dimensions	Φ118,5/125 mm	Φ118,5/125 mm	Φ118,5/125 mm
IP rating	IP67	IP67	IP67
Radiator color	Black	Black	Black
Cable length	depending of mounting system: up to 5 m	depending of mounting system: up to 5 m	depending of mounting system: up to 5 m
Cable type	depending of mounting system	depending of mounting system	depending of mounting system
Weight	0,70 kg - without mounting system	0,70 kg - without mounting system	0,70 kg - without mounting system
Extra Features	Automatic Night Mode	Automatic Night Mode	Automatic Night Mode
Available Connectors***	depending to mounting system: lighter plug/DIN	depending to mounting system: lighter plug/DIN	depending to mounting system: lighter plug/DIN

* light colour and class | ** lampshade colour | *** as accessory | ***** type of mounting

A P P L I C A T I O N S

sBWL can be widely used in different types of applications:

- Car police lights
- Ambulance lights
- Vehicles and construction machines lights
- Fire-fighting vehicles lights
- Roadside assistance vehicles lights
- Road service vehicles lights

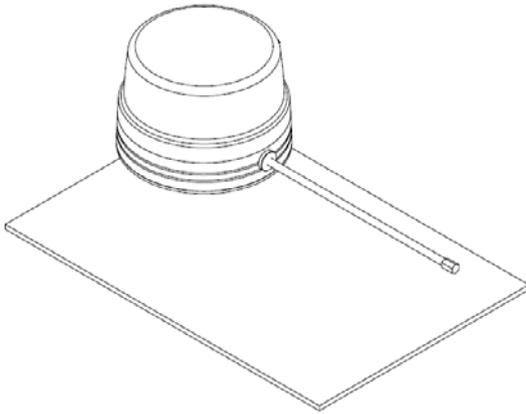


BWL-MOUNTING KITS

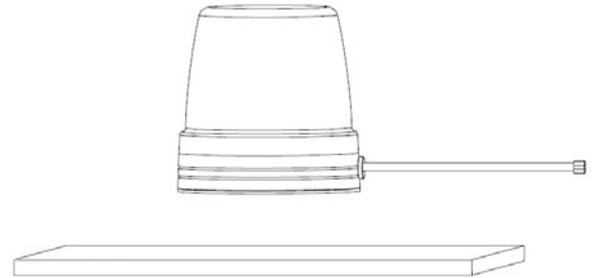
BWL-mounting kits

MAGNET MOUNTING

mBWL

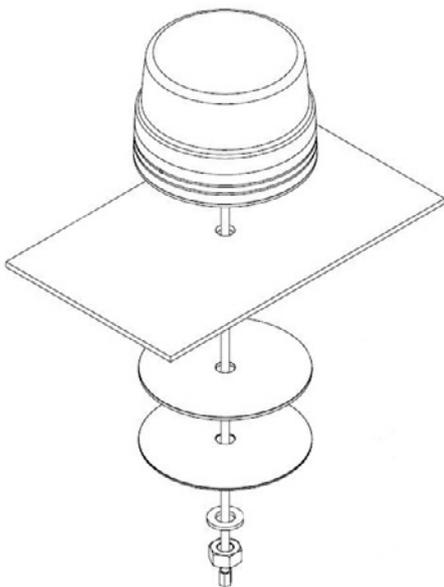


sBWL

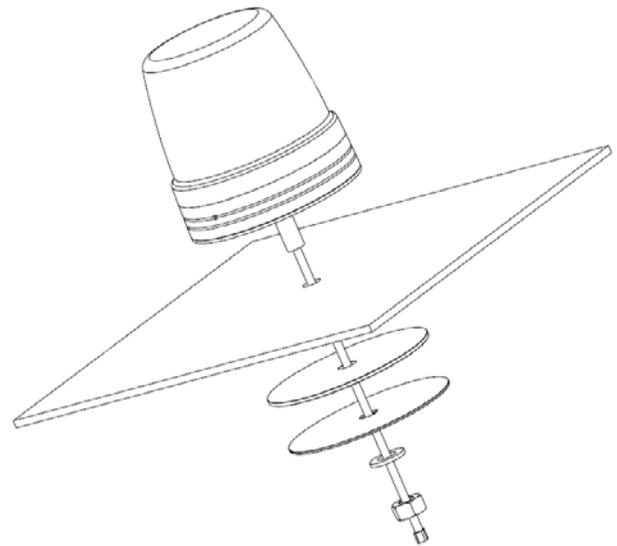


1-POINT-MOUNTING

mBWL

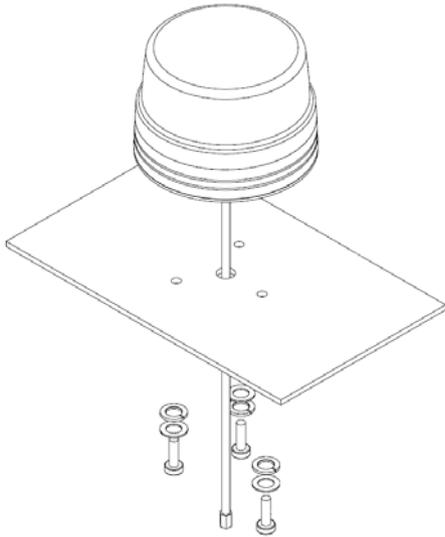


sBWL

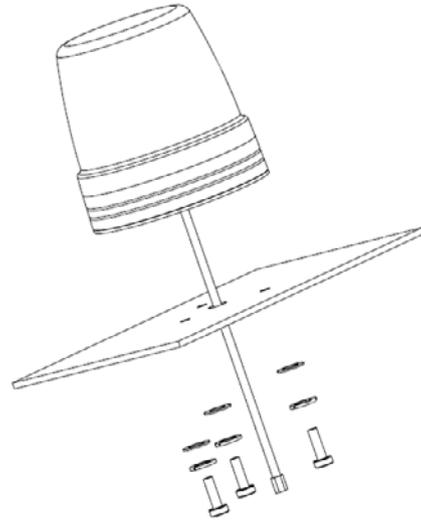


3 - P O I N T - M O U T I N G

mBWL

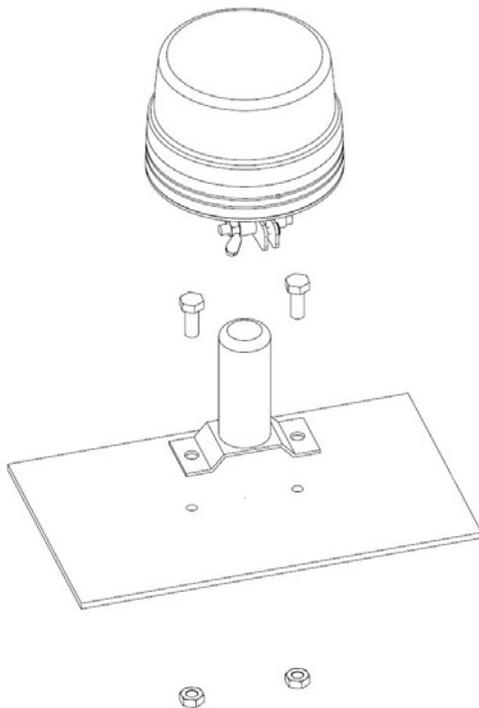


sBWL

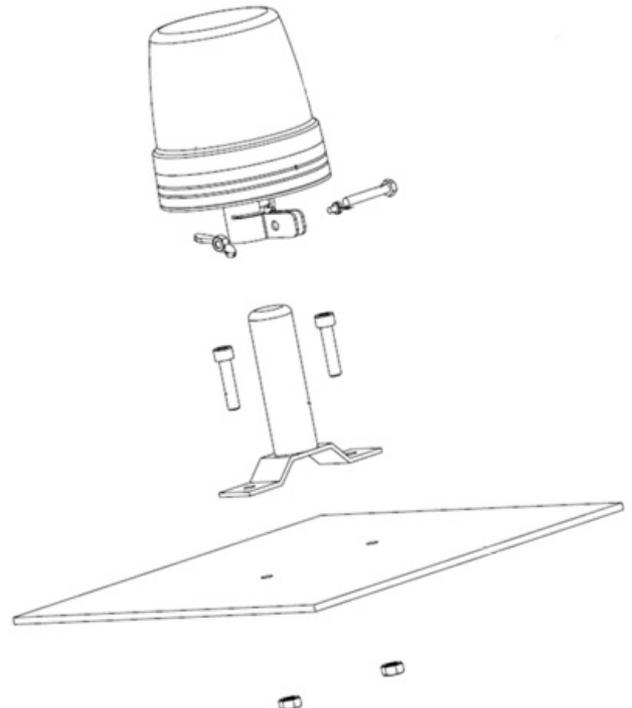


D I N

mBWL



sBWL



DataSheet SWL

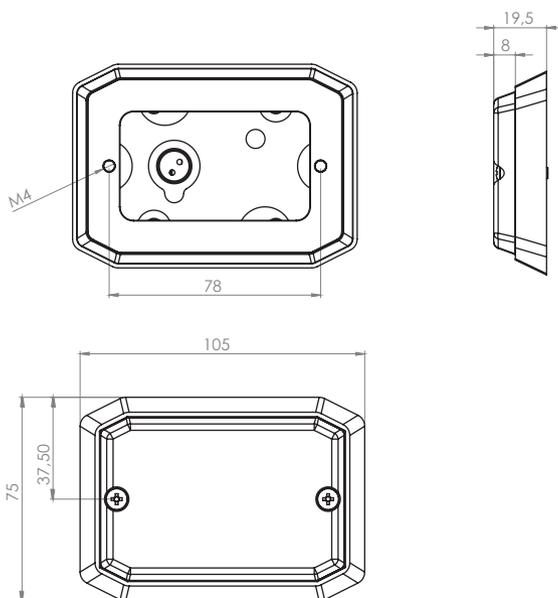
The latest generation of directional warning lamp SWL by the Romanian manufacturer MTX LED SOLUTIONS, is an ideal solution as additional warning equipment for special and privileged vehicles in road traffic. The lamps are widely applied in police cars, fire-fighting vehicles, in ambulances, in road service vehicles and in roadside assistance.

High quality of materials guarantees excellent resistance to mechanical damage and humidity. Technical parameters, modern design, dedicated optics and a specially designed lampshade give the lamp SWL a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- Reverse polarity protection
- High efficiency and resistant for weather conditions
- Day/night mode
- Memorizing the last flash pattern setting
- 5 Flash Patterns
- Ability to work alternately
- **Simple installation**
- **Synchronization up to 10 lamps**

DIMENSIONS



CREE 
 ▶ LED Solution Provider

R 65

R 10

IP 67

CE

RoHS

S P E C I F I C A T I O N

SWL-Xx*-y***-AP



Compliance	R65 class 2 , R10
Light Colour	B*-Blue, A*-Amber, R*-Red
Optics Colour	B**-Blue, A**-Amber, R**-Red, C**-Clear
No. of Warning Patterns	4
LED family	CREE® XP-E2
Flash frequency	2,1 Hz
Synchronization	up to 10pcs, alternating and normal
Supply Voltage Range	11-31 VDC
Power supply type	DC
Maximum Power	A/B*: 12 W R*: 7.5 W
Average Power	A/B*: 6 W R*: 4 W
Number of LEDs	6
Ambient Temperature Range	-30°C/ +50°C
Tc max.	+85°C
Dimensions	105x75x19,5 mm
IP rating	IP67
Radiator color	Black
Cable length	200 mm
Cable type	4 x AWG20
Weight	100 g
Available Connectors***	OH-2, ATM

* light colour and class | ** lampshade colour | *** as accessory

A P P L I C A T I O N S

SWL can be widely used in different types of applications:

- Car police lights
- Ambulance lights
- Road service vehicles lights
- Fire-fighting vehicles lights
- Roadside assistance vehicles lights



DataSheet FWL

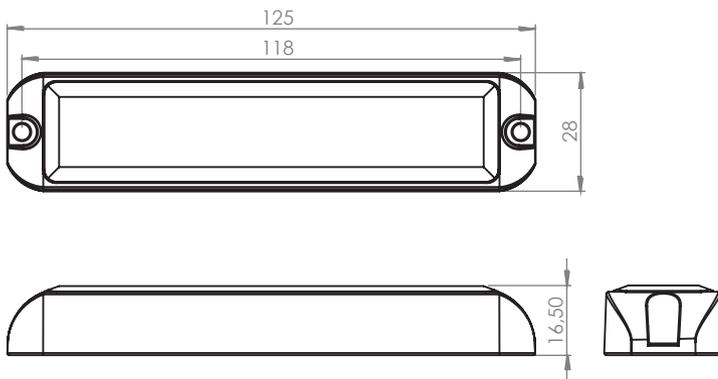
The latest generation of directional warning lamp FWL by the Romanian manufacturer MTX LED SOLUTIONS, is an ideal solution as additional warning equipment for special and privileged vehicles in road traffic.

The lamps are widely applied in police cars, fire-fighting vehicles, ambulances, road service vehicles and in roadside assistance. High quality of materials guarantees excellent resistance to mechanical damage and humidity. Technical parameters, modern design, dedicated optics and a specially designed lampshade give the lamp FWL a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- Reverse polarity protection
- High efficiency and resistant for weather conditions
- Auto day/night mode
- Memorizing the last flash pattern setting
- 4 Flash Patterns
- Synchronization up to 10 pcs.
- Ability to work alternately
- **Extremely efficient LED module**

DIMENSIONS



CREE 
 ▶ LED Solution Provider

R 65

R 10

IP 67

CE

RoHS

SPECIFICATION

FWL-Xx*2-y**-ALP



Compliance	R65 class 2 , R10
Light Colour	B*-Blue, A*-Amber, R*-Red
Optics Colour	B**-Blue, A**-Amber, R**-Red, C**-Clear
No. of Warning Patterns	4
LED family	CREE® XP-E2
Flash frequency	2,1 Hz
Synchronization	up to 10pcs, alternating and normal
Supply Voltage Range	11-31VDC
Power supply type	DC
Maximum Power	A/B*: 12 W R*: 8 W
Average Power	A/B*: 6 W R*: 4 W
Number of LEDs	6
Ambient Temperature Range	-30°C/ +50°C
Tc max.	+85°C
Dimensions	125x28x16,5 mm
IP rating	IP67
Radiator color	Black
Cable length	200 mm
Cable type	3 x AWG20
Weight	88 g
Extra Features	Automatic Night Mode
Available Connectors***	OH-2, ATM

* light colour and class | ** lampshade colour | *** as accessory

APPLICATIONS

FWL can be widely used in different types of applications:

- Car police lights
- Ambulance lights
- Road service vehicles lights
- Fire-fighting vehicles lights
- Roadside assistance vehicles lights



DataSheet LWL

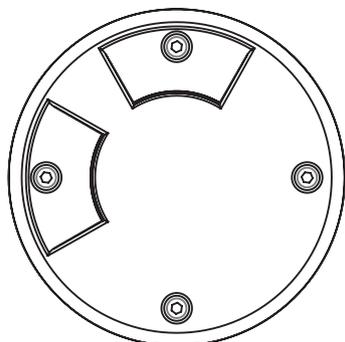
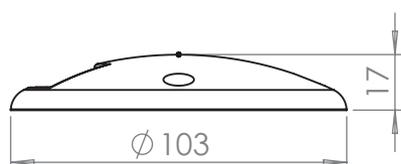
The latest generation of signaling lamps by the Romanian manufacturer MTX LED SOLUTIONS is an ideal solution for safe work at loading lifts, platforms and car platforms.

They are characterized by high resistance to all impacts and loads. The lamps are widely applied in cars equipped with loading platforms and on platforms. Technical parameters, modern design and dedicated optics give the LWL lamp a significant competitive advantage on the market.

FEATURES

- LEXTAR®LEDs
- High efficiency
- Blink sync
- Built-in blinker
- Reverse voltage protection
- **High impact and load resistance**

DIMENSIONS



R 10

IP 67

CE

RoHS

S P E C I F I C A T I O N S

	LWL-02-A-c*****-AAP	LWL-03-A-c*****-AAP
Compliance	R10	R10
Light Colour	A*-Amber	A*-Amber
Optics Colour	C**-Clear	C**-Clear
No. of Warning Patterns	1	1
LED family	LEXTAR PC33	LEXTAR PC33
Flash frequency	2,1 Hz	2,1 Hz
Synchronization	up to 12 pcs	up to 12 pcs
Supply Voltage Range	11-31VDC	11-31VDC
Power supply type	DC	DC
Maximum Power	5 W	5 W
Average Power	2.5 W	2.5 W
Number of LEDs	6	12
Ambient Temperature Range	-30°C/ +50°C	-30°C/ +50°C
Tc max.	+85°C	+85°C
Dimensions	Φ103x17	Φ103x17
IP rating	IP67	IP67
Radiator color	c*****:B-Black, G-Grey	c*****:B-Black, G-Grey
Cable length	200 mm	200 mm
Cable type	H05RN-F 3	H05RN-F 3
Weight	200 g	200 g
Extra Features	210 lm output	300 lm output
Available Connectors***	OH-2, ATM	OH-2, ATM

* light colour and class | ** lampshade colour | *** as accessory | ***** radiator color

A P P L I C A T I O N S

LWL can be widely used in different types of applications:

- Car lifts
- Car platforms
- Towing vehicles
- Fire-fighting vehicles



DataSheet SLB

The latest generation of roof lamps by the Romanian manufacturer MTX LED SOLUTIONS is ideal for basic warning signaling equipment of special vehicles.

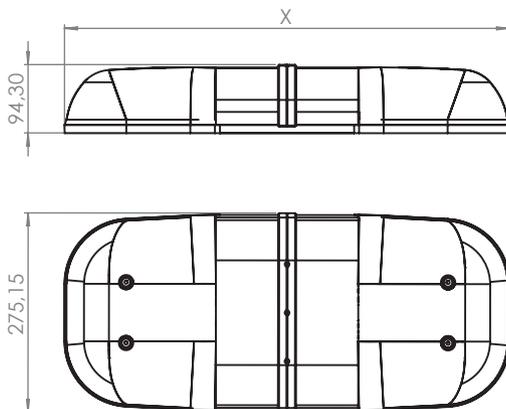
SLB are widely applied in police cars, fire-fighting vehicles, ambulances, road assistant cars, road service vehicles.

High quality materials guarantee extraordinary resistance to mechanic damages and humidity. Technical specification, innovative appearance, specially designed lampshade and optics give the lamp a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- Aluminum profile
- High efficiency and resistant for weather conditions
- Auto day/night mode
- 5 Flash Patterns
- Reverse polarity protection
- **Modular lamp design**
- **Possibility of mounting a loudspeaker**
- **Possibility of mounting a LED information display**
- **Approval for the pattern "Rotary" in class II**

DIMENSIONS



Total lamp length- X:

- 1100 mm
- 1400 mm
- 1700 mm
- 1200 mm
- 1500 mm
- 1800mm
- 1300 mm
- 1600 mm
- Other lenght on the request



CREE 
 ▶ LED Solution Provider

R 65

R 10

CE

RoHS

S P E C I F I C A T I O N S

	SLB-2x6ML6B..... [Police]	SLB-2x8ML6B..... [Fire brigade]	SLB-2x4ML6A..... [Breakdown service]	SLB-2x6ML6B- 4xML6B-4xWL6-0- 1500-CCDCC-S100..... [deltamed]
Compliance	R65 class 2, R10	R65 class 2, R10	R65 class 2, R10	R65 class 2, R10
Light Colour	B-Blue	B-Blue	A-Amber	A-Amber
Optics Colour	B-Blue, C-Clear, M-Milk	B-Blue, M-Milk	A-Amber, M-Milk	A-Amber, M-Milk
No. of Warning Patterns	5	5	5	6
LED family	CREE®	CREE®	CREE®	CREE®
Flash frequency	2,1H z	2,1 Hz	2,1 Hz	2,1 Hz
Supply Voltage Range	10-15 V, 22-30 V	10-15 V, 22-30 V	10-15 V, 22-30 V	10-15 V, 22-30 V
Power supply type	DC	DC	DC	DC
Instaled power:	2x6ML6B: 240 W 2xML6R: 40 W 2 x WL3: 30 W 2 x WL6: 38 W TL: 5 W Total: 358 W	2x8ML6B: 320 W TL: 5 W Total: 330 W	2x4ML6A: 160 W TL: 5 W Total: 170 W	2x6ML6B: 240 W 4ML6B: 80 W 4 x WL6: 76 W Total: 396 W Speker 100 W
Maximum Power	233 W	165 W	85 W	236 W (without speaker)
Average Power	185 W	133W	70 W	204 W (without speaker)
Ambient Temperature Range	-30°C/ +50°C	-30°C/ +50°C	-30°C/ +50°C	-30°C/ +50°C
Tc max.	+85°C	+85°C	+85°C	+85°C
IP rating	IP56	IP56	IP56	IP56
Cable length	400 mm	400 mm	400 mm	400 mm
Cable type	12xG0.75	12xG0.75	12xG0.75	12xG0.76
Extra Features	Automatic Night Mode	Automatic Night Mode	Automatic Night Mode	Automatic Night Mode
Available Connectors***	RT360 12PIN connector	RT360 12PIN connector	RT360 12PIN connector	RT360 12PIN connector

*** as accessory

A P P L I C A T I O N S

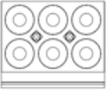
SLB can be widely used in different types of applications:

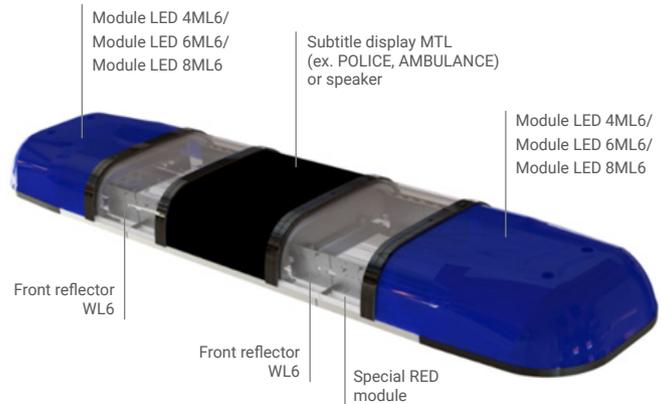
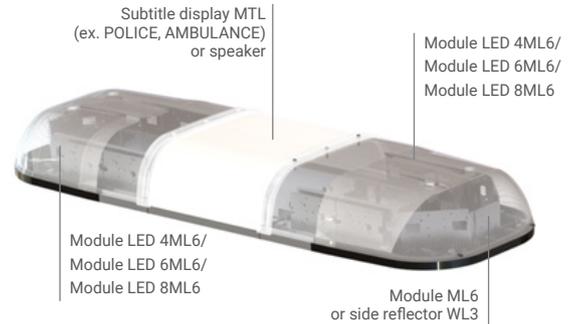
- Police car
- Fire-fighting vehicles lights
- Ambulance vehicles lights
- Work area lights
- Auxiliary vehicle lights
- Roadside assistance vehicles
- Road service vehicles



DataSheet SLB

EQUIPMENT

		average power and power consumption
Module LED 4ML6 (blue,red, or amber)		80 W (13,5V/27V) 6A / 13,5V 3A / 24V
Module LED 6ML6 (blue,red or amber)		120 W (13,5V/27V) 9A / 13,5V 4.5A / 27V
Module LED 8ML6 (blue,red or amber)		160 W (13,5V/27V) 13A / 12V 7A / 24V
Front reflector WL6		19 W (13,5V/27V) 1.4A / 13.5V 0.75A / 27V
Side reflector WL3		15 W 1.2A / 12V 0.6A / 24V
Bicolour module ML6		20 W (13,5V/27V) 3A / 12V 1.5A / 27V
Special RED module		20 W (13,5V/27V) 3A / 12V 1.5A / 27V
Subtitle backlight TL		5 W (13,5V/27V) 0,35A / 13.5V 0,17A / 27V
Subtitle display MTL		25 W 2A / 12V 1A / 24V
Speaker S10/S15		100 W or 150W
Control module SLB-CON		-

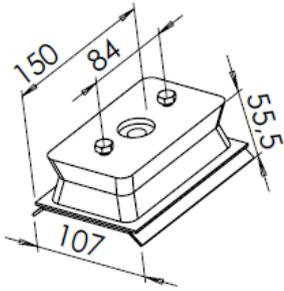


CREE
LED Solution Provider

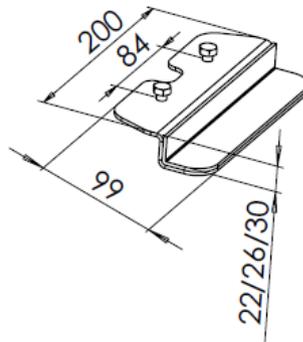
- R 65
- R 10
- CE
- RoHS

ACCESSORIES

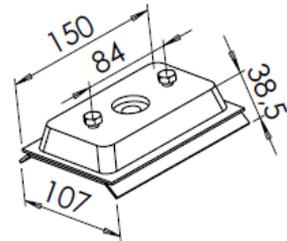
SLB-MK1



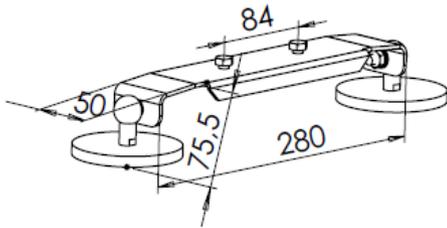
SLB-MK2



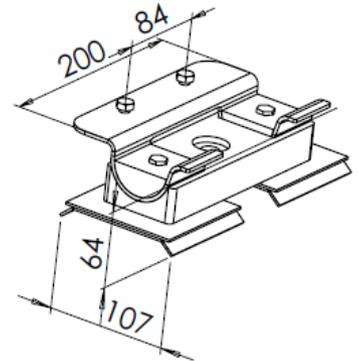
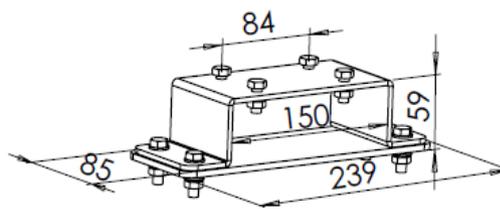
SLB-MK3



SLB-MK4



SLB-MK5

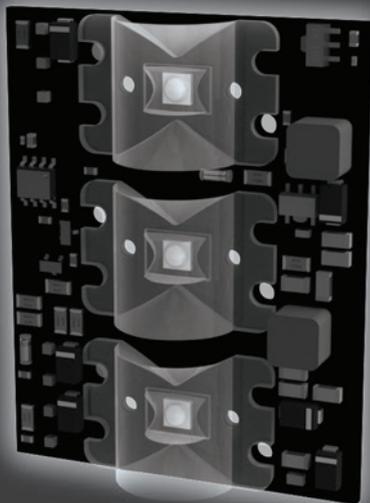


SPECIFICATION

MOD-ZIN-3RB-a*-b**-c*-d***

Type (d***)	Master: MCU Slave: N/A
LEDs family	CREE®, 3 W LED x 3 pcs.
Light colour (b**)	BLU – Blue LEDs AMB – Amber LEDs RED – Red LEDs
Operating Voltage	11.7–30 VDC
Avg. Current	BLU/AMB: 0.3 A-13.5 V/0.15 A-27 V RED: 0.2 A-13.5 V/0.1 A-27 V
Avg. Power	BLU/AMB: 0.3 A-13.5 V/0.15 A-27 V RED: 0.2 A-13.5 V/0.1 A-27 V
Max. Current	BLU/AMB: 0.8 A-13.5 V/0.4 A-27 V RED: 0.6 A-13.5 V/0.3 A-27 V
Max. Power	BLU/AMB: 10 W RED: 7 W
Dimensions (a*)(c*)	Horizontal: 88 x 28 mm, HOR Vertical: 44 x 55 mm, VER
Flash Patterns	5
Synchronization	Max. 10 pcs. (Master to Master)
Fulfilis	R65 class 2, R10
Connection	Master: [1x3] + [1x4] 3.96 mm Slave: 2 x [1x3] 3.96 mm
Operating temperature	-30°C ÷ 50°C
Lifetime****	≥ 35000 h

* dimension; horizontal or vertical | ** light colour | *** type master or slave | **** estimated lifetime based on calculated lifetime of critical components



APPLICATIONS

MTXLED ZIN can be widely used in different types of applications:

- Car police lights
- Ambulance lights
- Road service vehicles lights
- Fire-fighting vehicles lights
- Roadside assistance vehicles lights



DataSheet ZIN-6 LED

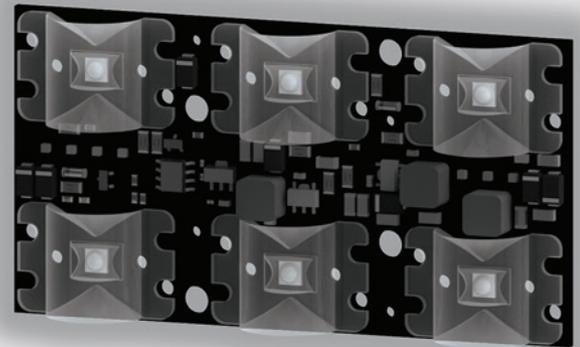
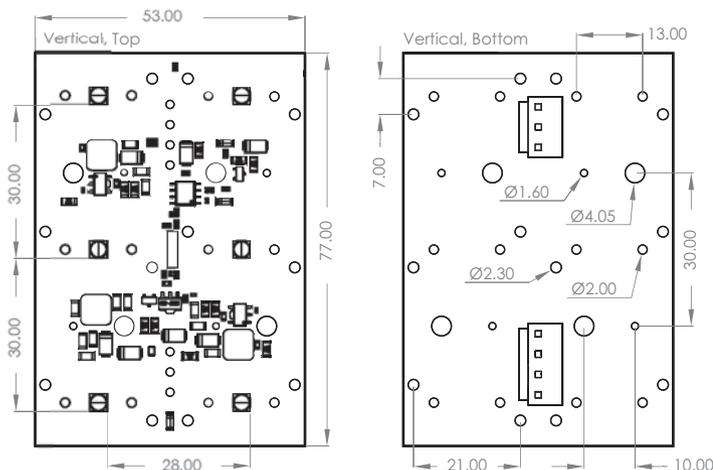
The latest generation of directional warning lamp ZIN, a Romanian manufacturer MTX, is an ideal solution for additional warning equipment for special and privileged vehicles in road traffic. The lamps are widely applied in police cars, in fire-fighting vehicles, in ambulances, in road service vehicles and in roadside assistance.

The lamp can consist of several blocks. Single blocks (6 LEDs) can work independently. Lamp set with aluminum gear trays / support can be mounted in the vehicle.

FEATURES

- Inside Cree® LEDs
- Reverse polarity protection
- High efficiency
- Day/night mode
- Steady mode
- Memorizing the last flash pattern setting
- 5 Flash Patterns
- Synchronization up to 10 pcs.
- **Operation in synchronous or asynchronous mode**

DIMENSIONS



CREE 
 LED Solution Provider

R 65

R 10

CE

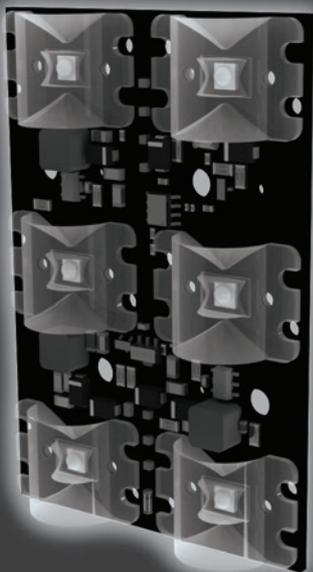
RoHS

SPECIFICATION

MOD-ZIN-6RB-a*-b**-c*-d****

Type (d***)	Master: MCU Slave: N/A
LEDs family	CREE®, 3W LED x 6 pcs.
Light colour (b**)	BLU – Blue LEDs AMB – Amber LEDs RED – Red LEDs
Operating Voltage	11.7–30 VDC
Avg. Current	BLU/AMB: 0.6 A-13.5 V/0.3 A-27 V RED: 0.4 A-13.5 V/0.2 A-27 V
Avg. Power	BLU/AMB: 8 W RED: 6 W
Max. Current	BLU/AMB: 1.4 A-13.5 V/0.7 A-27 V RED: 1 A-13.5 V/0.5 A-27 V
Max. Power	BLU/AMB: 19 W RED: 13 W
Dimensions (a*)(c*)	Horizontal: 86x45 mm, HOR Vertical: 77x53 mm, VER
Flash Patterns	5
Synchronization	Max. 10 pcs. (Master to Master)
Fulfilis	R65 class 2, R10
Connection	Master: [1x3] + [1x4] 3.96 mm Slave: 2 x [1x3] 3.96 mm
Operating temperature	-30°C ÷ 50°C
Lifetime****	≥ 35000 h

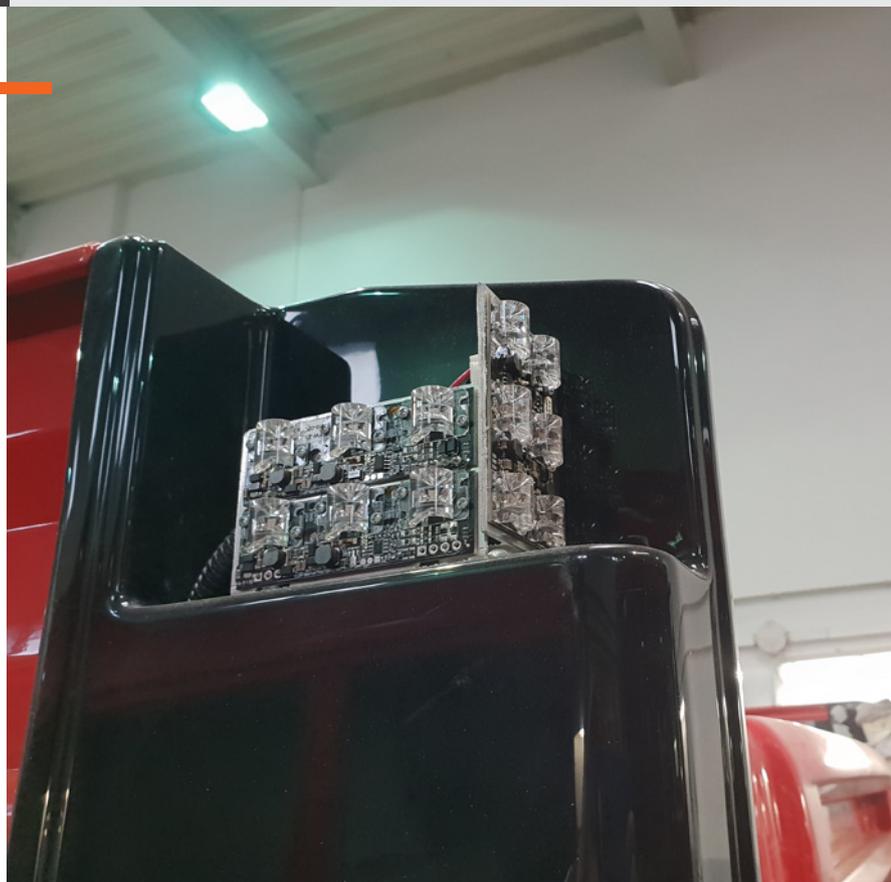
* dimension: horizontal or vertical | ** light colour | *** type master or slave | **** estimated lifetime based on calculated lifetime of critical components



APPLICATIONS

MTXLED ZIN can be widely used in different types of applications:

- Car police lights
- Ambulance lights
- Road service vehicles lights
- Fire-fighting vehicles lights
- Roadside assistance vehicles lights



DataSheet IRL

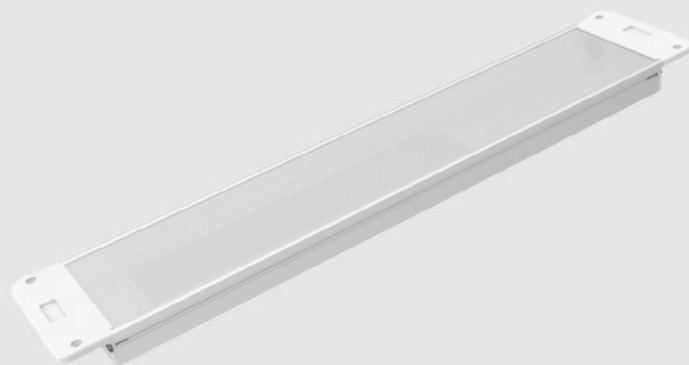
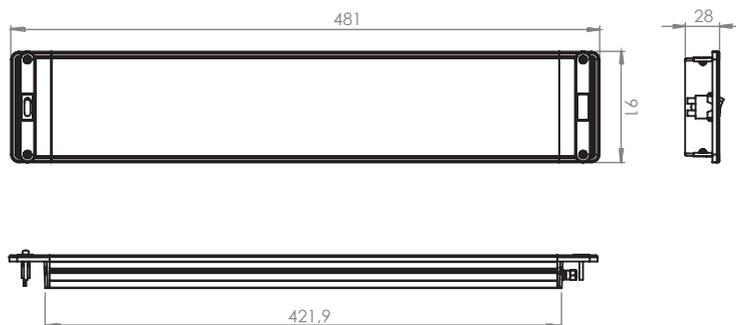
The latest generation of interior lamps by the Romanian manufacturer MTX LED SOLUTIONS is an advanced energy-efficient and environmentally friendly luminaire used in the automotive industry. LED lighting does not contain toxic compounds, is energy efficient and provides UV and IR radiation-free lighting. It has no negative impact on the environment.

The aluminum fixtures guarantee LEDs cooling. Modern design and good performance give the lamp a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency
- Environmentally friendly
- Long Lifetime
- 50% Power mode
- Energy Saving
- DIM control
- No UV and Mercury
- **Modern Design**
- **Day/night light function**

DIMENSIONS



CREE 
 ▶ LED Solution Provider

R 10

CE

RoHS

S P E C I F I C A T I O N S

	IRL-14-NW-B-5-AAP-S(W)*	IRL-25-CW-B-5-AAP-S(W)*
Compliance	R10	R10
LED Module Luminous Flux	1800 lm	3220 lm
Lamp Luminous Flux	1400 lm	2500 lm
LED family	CREE JE2835 x 42 pcs.	CREE JB2835 x 42 pcs.
Colour Temperature	4000 K	5700 K
CRI Colour Rendering Index	90	80
Emergency/Night Light Luminous Flux	12 lm	12 lm
Emergency/Night Light Colour	B – Blue	B – Blue
Supply Voltage Range	10-15 V, 22-30 V	10-15 V, 22-30 V
Power supply type	DC	DC
Maximum Power	19 W	35 W
Maximum Power Emergency/Night Light	2 W	2 W
Number of LEDs	42+12	42+12
Ambient Temperature Range	-30°C/ +50°C	-30°C/ +50°C
Tc max.	+75°C	+75°C
Dimensions	481 mm x 91 mm x 28 mm	481 mm x 91 mm x 28 mm
IP rating	IP44 Front	IP44 Front
Housing color	WHITE/SILVER	WHITE/SILVER
Cable length	180 mm	180 mm
Cable type	AWG20	AWG20
Weight	0,75 kg	0,75 kg
Available Connectors***	CT1063	CT1063
Beam Angle	120°	120°
Lifetime****	≥ 35000 h	≥ 35000 h

* connecting system S- 5 wires without switch, SW-5 wires with switch | *** as accessory | **** estimated lifetime based on calculated lifetime of critical components

A P P L I C A T I O N S

IRL can be widely used in different types of applications:

- Interior ambulance
- Interior fire-truck
- Cargo space lighting
- Interior delivery truck



DataSheet IWL

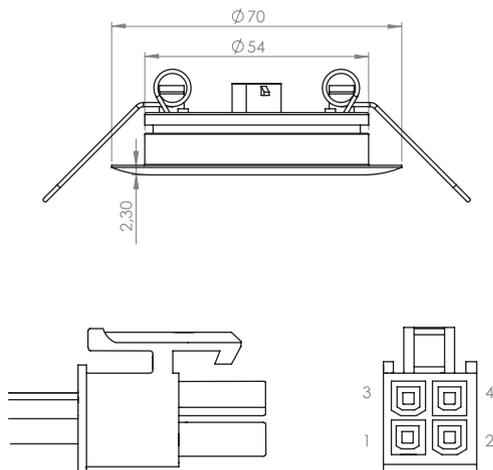
The latest generation of interior lamps by the Romanian manufacturer MTX LED SOLUTIONS is an advanced energy-efficient and environmentally friendly recessed spotlight for automotive and indoor applications. The use of new generation LEDs by CREE® guarantees very high light output efficiency values 420 lm for the 6 W IWL version. LED lighting does not contain toxic compounds, is energy efficient and provides UV and IR radiation-free lighting. It has no negative impact on the environment.

The aluminum fixtures guarantee LEDs cooling. Modern design and good performance give the lamp a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency
- Environmentally friendly
- Long Lifetime
- Low profile
- Energy Saving
- Modern Design
- 18-30 V DC power supply
- R10 compatible
- No UV and Mercury
- **The lamp complies with railway standards**

DIMENSIONS



CREE 
 LED Solution Provider

R 10

IP 67

CE

RoHS

S P E C I F I C A T I O N S

	IWL-03-VW-30-ALP	IWL-04-WW-30-ALP	IWL-03-NW-30-ALP
Compliance	R10	R10	R10
LED Module Luminous Flux	445 lm	465 lm	420 lm
Lamp Luminous Flux	390 lm	410 lm	370 lm
LED family	Cree JK3030	Cree JK3030	Cree JK3030
Colour Temperature	2700 K	3000 K	4000 K
CRI Colour Rendering Index	80	80	90
Emergency/Night Light Luminous Flux	40 lm	40 lm	40 lm
Emergency/Night Light Colour	3000 K	3000 K	3000 K
Supply Voltage Range	22-30 V	22-30 V	22-30 V
Power supply type	DC	DC	DC
Maximum Power	5 W	5 W	5 W
Maximum Power Emergency/Night Light	1 W	1 W	1 W
Number of LEDs	6+3	6+3	6+3
Ambient Temperature Range	-30°C/ +50°C	-30°C/ +50°C	-30°C/ +50°C
Tc max.	+75°C	+75°C	+75°C
Dimensions	fi75 mm x H14.75 mm	fi75 mm x H14.75 mm	fi75 mm x H14.75 mm
IP rating	IP44 Front	IP44 Front	IP44 Front
Housing color	SILVER	SILVER	SILVER
Weight	68 g	68 g	68 g
Available Connectors***	build in MOLEX MICRO-FIT 3.0 compatible	build in MOLEX MICRO-FIT 3.0 compatible	build in MOLEX MICRO-FIT 3.0 compatible
Beam Angle	30°	30°	30°
Lifetime****	≥ 35000 h	≥ 35000 h	≥ 35000 h

*** as accessory | **** estimated lifetime based on calculated lifetime of critical components

A P P L I C A T I O N S

IWL can be widely used in different types of applications:

- Interior Bus lighting
- Interior Train lighting
- Recessed furniture LED spotlight
- Decorative lighting



DataSheet ISL

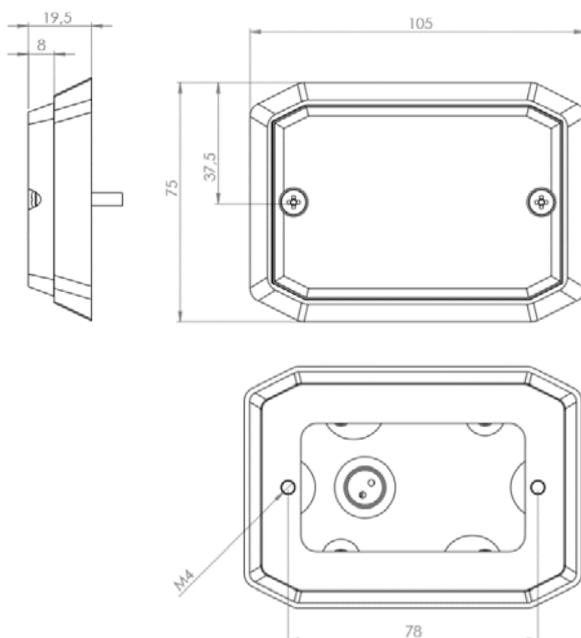
The latest generation of interior lamp by MTX LED, a Romanian manufacturer, is designed to lighting the interior of commercial and specialized vehicles. The use of LEDs Cree® guarantees LED module Flux up to 540 lm, so it is perfect in passenger space lightening. Application of selected LEDs allow to get high Colour Rendering Index for all Colour Temperature. Advanced design and high quality of materials allow to get high efficiency of use small dimensions of luminaire.

The luminaire provide the high protection of dust and damp - IP67. ISL do not to mention lead and mercury, is energy efficient and provide lighting devoid of UV and IR radiation. It has no negative impact on the environment. Modern design and high efficiency give the ISL a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency
- R10 Compliance
- Environmentally friendly
- Modern design
- Energy saving
- Long lifetime
- Plastic housing
- No lead and mercury
- 10,5-31 V DC

DIMENSIONS



CREE 
 ▶ LED Solution Provider

R 10

IP 67

CE

RoHS

S P E C I F I C A T I O N S

	ISL-04-WW-AAP	ISL-05-NW-AAP
Compliance	R10	R10
LED module Flux	490 lm	630 lm
Lamp Luminous Flux	420 lm	540 lm
LED family	CREE® XT-E	CREE® XT-E
Colour Temperature	3000K	4000K
CRI Colour Rendering Index	90	80
Supply Voltage Range	10,5-31V	10,5-31V
Power supply type	DC	DC
Maximum Power	5,5 W	5,5 W
Number of LEDs	6	6
Ambient temperature Range	-30°C/ +50°C	-30°C/ +50°C
Tc max	+75°C	+75 °C
Dimensions	105 mm x 75 mm x 19,5 mm	105 mm x 75 mm x 19,5 mm
IP rating	IP67	IP67
Housing colour	Black	Black
Cable length	200 mm	200 mm
Cable type	AWG 20	AWG 20
Weight	100 g	100 g
Available Connectors	OH-2, ATM	OH-2, ATM
Beam Angle	40°	40°
Lifetime**	≥ 35000 h	≥ 35000 h

** estimated lifetime based on calculated lifetime of critical components

APPLICATIONS

ISL can be widely used in different types of applications:

- Car police interior lights
- Ambulance interior lights
- Road service vehicles interior lights
- Train and rail vehicle interior lights
- Fire-fighting vehicles interior lights
- Roadside assistance vehicles lights
- Agricultural machinery interior lights
- Cargo space interior lights
- Vehicle working racks
- Vehicle tools racks
- Car trunk interior light

DataSheet IFL

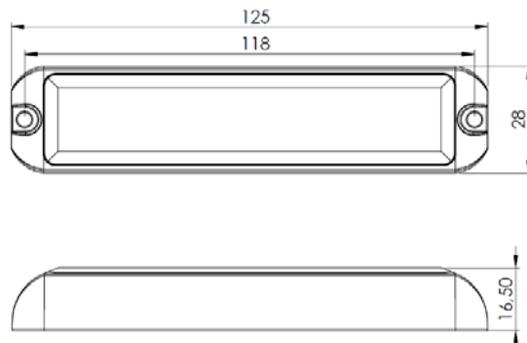
The latest generation of interior lamp by MTX LED, a Romanian manufacturer, is designed to lighting the interior of commercial and specialized vehicles. The use of LEDs Cree® guarantees Lamp module Flux up to 620 lm, so it is perfect in passenger space lightening. Application of selected LEDs allow to get high Colour Rendering Index for all Colour Temperature. Advanced design and high quality of materials allow to get high efficiency of use small dimensions of luminaire.

The luminaire provide the high protection of dust and damp - IP67. IFL do not to mention lead and mercury, is energy efficient and provide lighting devoid of UV and IR radiation. It has no negative impact on the environment. Modern design and high efficiency give the IFL a significant competitive advantage on the market.

FEATURES

- Inside Cree® LEDs
- High efficiency
- R10 Compliance
- Environmentally friendly
- Modern design
- Energy saving
- Long lifetime
- Aluminum housing
- No lead and mercury
- 10,5-31 V DC

DIMENSIONS



CREE 
 ▶ LED Solution Provider

R 10

IP 67

CE

RoHS

S P E C I F I C A T I O N S

	IFL-05-WW-AAP	IFL-06-NW-AAP
Compliance	R10	R10
LED module Flux	560 lm	720 lm
Lamp Luminous Flux	480 lm	620 lm
LED family	CREE® XT-E	CREE® XT-E
Colour Temperature	3000K	4000K
CRI Colour Rendering Index	90	80
Supply Voltage Range	10,5-31V	10,5-31V
Power supply type	DC	DC
Maximum Power	6,5 W	6,5 W
Number of LEDs	6	6
Ambient temperature Range	-30°C/ +50°C	-30°C/ +50°C
Tc max	+75°C	+75°C
Dimensions	125 mm x 28 mm x 16,5 mm	125 mm x 75 mm x 19,5 mm
IP rating	IP67	IP67
Housing colour	Black	Black
Cable length	200 mm	200 mm
Cable type	AWG 20	AWG 20
Weight	88 g	88 g
Available Connectors	OH-2, ATM	CT1031
Beam Angle	40°	40°
Lifetime*	≥ 35000 h	≥ 35000 h

* estimated lifetime based on calculated lifetime of critical components

APPLICATIONS

IFL can be widely used in different types of applications:

- Car police interior lights
- Ambulance interior lights
- Road service vehicles interior lights
- Agricultural machinery interior lights
- Fire-fighting vehicles interior lights
- Roadside assistance vehicles interior lights
- Vehicle working racks
- Vehicle tools racks
- Train and rail vehicle interior lights
- Cargo space interior lights
- Car trunk interior light

DataSheet SPEAKER

GT-MS 150-100W

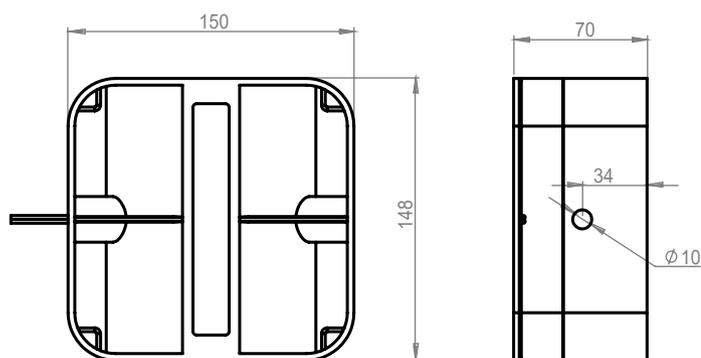
Sirens/speakers GT-MS-150-100W is a modern speaker construction enclosed in a specially designed-flat housing that allows the speaker to be placed in places with narrow, small free space. Indoor magnetic structure made is from high strength, temperature magnetic steel based on rare earth metals. The magnet gap is filled with high-quality magnetic fluid.

Characteristic feature sirens/speakers is effectively finished surface housing, pure sound, reliability and specially designed sound system. It is appropriate for all international standards for that type of devices and it can be use in privileged vehicles in road traffic to emission warning signal, as well as audio messages and any other signaling and warning applications.

FEATURES

- Modern design
- Effectively finished surface housing
- Pure sound
- Inside high-quality magnetic fluid

DIMENSIONS



CE

RoHS

SPECIFICATION

GT-MS 150-100W

Power Rating	100 Watts
Impedance	11 Ohms Nominal
Frequency Range	200-5000 Hz
Sound Pressure	128 dB
Feed Voltage	33 V
Directionality	10 dB
Operating Temperature	-40 to +60°C
Net Weight	2.65 kg
Shape dimension [mm]	171x75x171
Distortion	≤2%

WARNING

Sirens/speakers produces loud sounds.
Watch of your hearing.

- Roll up windows
- Use only for emergency response
- Wear hearing protection
- Avoid exposure to siren/speaker sound outside of vehicle



APPLICATIONS

GT MS 150 100W can be used for voice communication while driving and for the emission of warning signals:

- Ambulance
- Fire-fighting vehicles
- Police car
- Cars burdensome in traffic



DataSheet SPEAKER

GS-100-100W

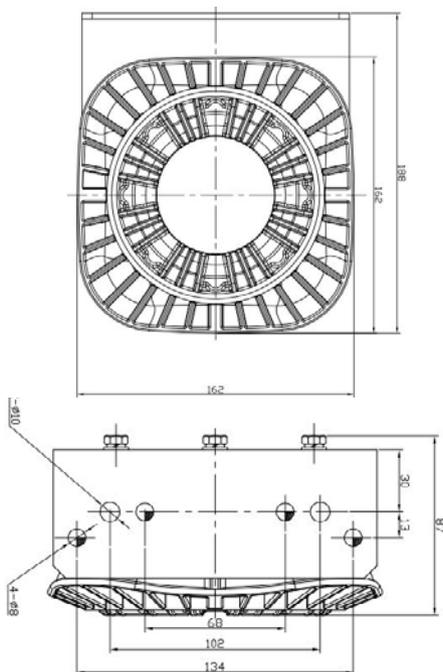
Sirens/speakers GS-100-100W is a modern speaker construction enclosed in a specially designed-flat housing that allows the speaker to be placed in places with narrow, small free space. Indoor magnetic structure made is from high strength, temperature magnetic steel based on rare earth metals. The magnet gap is filled with high-quality magnetic fluid.

Characteristic feature sirens/speakers is effectively finished surface housing, pure sound, reliability and specially designed sound system. It is appropriate for all international standards for that type of devices and it can be use in privileged vehicles in road traffic to emission warning signal, as well as audio messages and any other signaling and warning applications.

FEATURES

- Modern design
- Effectively finished surface housing
- Pure sound
- Inside high-quality magnetic fluid
- Impedance: 11 ohm
- SPL: 123dB@3m
- 100-Watt speaker output

DIMENSIONS



DataSheet SPEAKER

BS-150-10-150W

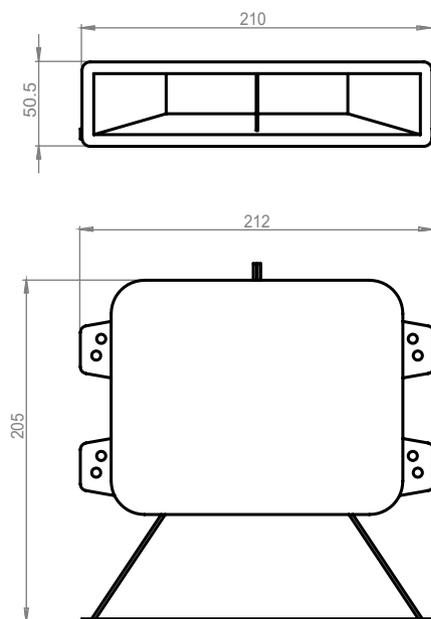
Sirens/speakers BS-150-10 150W is a modern speaker construction enclosed in a specially designed-flat housing that allows the speaker to be placed in places with narrow, small free space. Indoor magnetic structure made is from high strength, temperature magnetic steel based on rare earth metals. The magnet gap is filled with high-quality magnetic fluid.

Characteristic feature sirens/speakers is effectively finished surface housing, pure sound, reliability and specially designed sound system. It is appropriate for all international standards for that type of devices and it can be use in privileged vehicles in road traffic to emission warning signal, as well as audio messages and any other signaling and warning applications.

FEATURES

- Modern design
- Effectively finished surface housing
- Pure sound
- Inside high-quality magnetic fluid
- Powered by 12 V
- Impedance: 11 ohm
- SPL: 123dB@3m
- 150-Watt speaker output

DIMENSIONS



CE

RoHS

DataSheet SPEAKER

GS-100-100W

S P E C I F I C A T I O N

GS-100-100W	
Power Rating	100 Watts
Impedance	11 Ohms Nominal
Frequency Range	400-5000Hz
Sound Pressure	120-125dB
Distortion	≤2%
Operating Temperature	-40°C/ +60°C
Net Weight	2.2kg
Shape dimension [mm]	162x87x188

A P P L I C A T I O N S

GS-100-100W can be used for voice communication while driving and for the emission of warning signals:

- Ambulance
- Fire-fighting vehicles
- Police car
- Cars burdensome in traffic

DataSheet SPEAKER

BS-150-10-150W

S P E C I F I C A T I O N

BS-150-10 150W	
Power Rating	150 Watts
Impedance	11 Ohms Nominal
Frequency Range	400-4000Hz
Sound Pressure	123dB@1m
Distortion	≤5%
Operating Temperature	-30°C/ +50°C
Net Weight	3.5kg
Shape dimension [mm]	305x2655x235

A P P L I C A T I O N S

BS-150-10 150W can be used for voice communication while driving and for the emission of warning signals:

- Ambulance
- Fire-fighting vehicles
- Police car
- Cars burdensome in traffic

W A R N I N G

Sirens/speakers produces loud sounds. Watch of your hearing.

- Roll up windows
- Use only for emergency response
- Wear hearing protection
- Avoid exposure to siren/speaker sound outside of vehicle

DataSheet SIREN

GT-PR4100

Generator and sirens/speakers are important element of an effective audio-visual warning system. Our products are characterized by high quality, which allows for high-quality sound. The products are designed for installation in vehicles - they have increased resistance to vibration and IP class. The device generates 4 basic warning sounds + the microphone.

Generator and sirens are short range secondary devices. The use of a siren/speaker does not mean that all drivers react to emergency warning signal, especially when ride with a high speeds. For the safety and correctness operation of the device important is correct installation to the vehicle.

If some obstructions are in front of sirens/speakers maximum sound output will be reduced.

FEATURES

- Compact design, ergonomic shape of a remote control

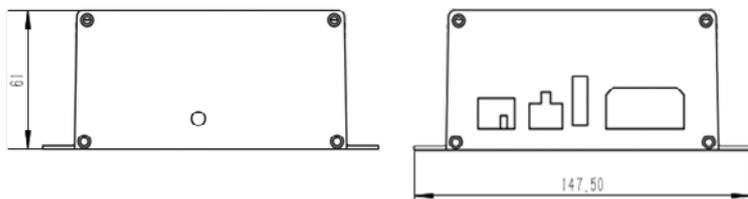
APPLICATIONS

GT-PR4100 100W can be used for voice communication while driving and for the emission of warning signals:

- Ambulance
- Fire-fighting vehicles
- Police car
- Emergency vehicles
- Cars burdensome in traffic

SPECIFICATION

GT-PR4100	
Nominal power	100 W
Impedance	11 Ohms Nominal
Power supply voltage	10-16 VDC
Power consumption	8,5 A @ 13,6 VDC
Working temperature range	-30°C/ +50°C
Dimensions of the central unit [mm]	159 mm x 147,5 mm x 61 mm
Dimensions of the manipulator [mm]	100 mm x 30 mm x 40 mm
Tones	Hi-Lo, Yelp, Wail, Microphone



R 10

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RoHS



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