

Datasheet IRL

INTRODUCTION

The latest generation of lamps by MTX a Romanian manufacturer is an advanced energy-efficient and environmentally friendly luminaires used in an application for the automotive industry. The use of new generation LEDs by CREE® guarantees very high light output efficiency values. LED lighting do not contain toxic compounds such as lead and mercury, are energy efficient and provide lighting devoid of UV and IR radiation. It has no negative impact on the environment.

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



SPECIFICATION

	IRL-14-NW-B-5-AAP-e*	IRL-25-CW-B-5-AAP-e*
LEDs	CREE JE2835 x 42 pcs.	CREE JE2835 x 42 pcs.
Colour	NW – Neutral White	CW-Cold White
Colour Temperature**	4000K	5700K
Source lumen output	2200 lm	3900 lm
Lumen Output***	1400 lm	2500 lm
CRI	90	90
Night Light LEDs	2835CASE x 12 pcs.	2835CASE x 12 pcs
Night Light Colour Temperature	B – Blue	B – Blue
Night Light Lumen Output	12 lm	12 lm
Input Voltage	12/24 VDC	12/24 VDC
Power Main LEDs	19 W	35 W
Power Night Light	1 W - 12 V / 2 W - 24 V	1 W - 12 V / 2 W - 24 V
Operating temperature	-30 °C/ +50 °C	-30 °C/ +50 °C
IP Code	IP44	IP44
Dimensions [mm]	481mm x 91mm x 28mm	481mm x 91mm x 28mm
Dimmable input	Yes – Internal Connector	Yes – Internal Connector
50% input	Yes – Internal Connector	Yes – Internal Connector
Connector	18+24AWG	18+24AWG
Lifetime****	≥ 35000 h	≥ 35000 h

* Connecting system S- 5 wires without switch, SW-5 wires with switch

** Other CCT and colours available on request

*** Performance in real-life conditions at ambient temperature of 40° C; includes optical losses, tolerance of source Lumen Output - 5%

**** Approximate lifetime of LEDs as declared by the manufacturer Cree® and other electronic components

APPLICATIONS

IRL can be widely used in different types of application:

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

FEATURES

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

Contact:



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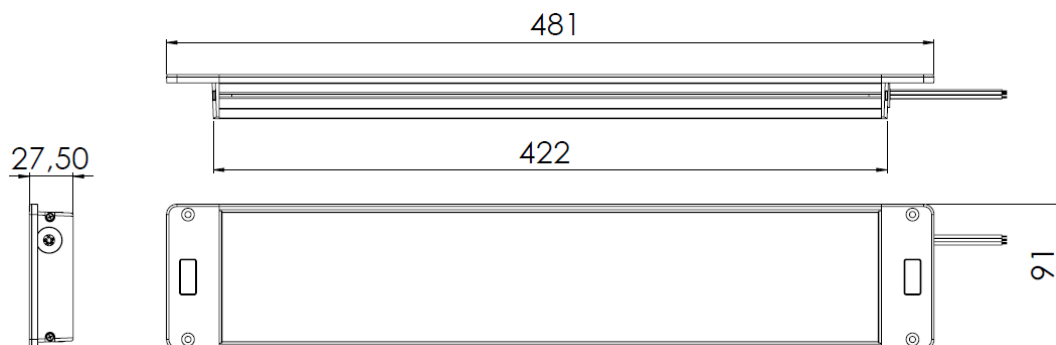
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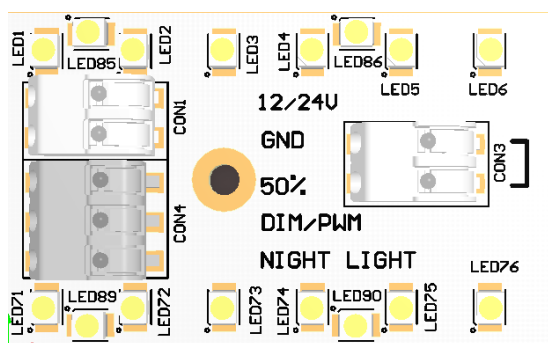
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DIMENSIONS



CONNECTION



Wire colour	Connector:	Description:
RED	12/24V	Power input VIN 12/24V
BLACK	GND	Power input GND
WHITE	50%	Power input VIN – 50% light
YELLOW	DIM/PWM	Signal input diming: * High level – ~5% * Low level or No connect - 100%; * Recommended frequency ~1kHz,
BLUE	NIGHT LIGHT	Power input VIN 12-24V to Night Light
	CON3	Jumper on module - makes it easy to connect switch

ORDERING CODE

Ordering code	Item	Description
190601.143560A3	IRL-14-NW-B-A-AAP-S	1400 lm. 4000 K, Blue night light, IP44
190601.253260A3	IRL-25-CW-B-5-AAP-S	2500 lm. 5700 K, Blue night light, IP44
190601.00000000*	IRL-aa-bb-c-d-AAP-e	Custom version*

*Custom version possible change: Luminous flux (aa){max main power 35[W]@12[V]}; CCT correlated colour temperature (bb); colour night light (c); luminaire length (d); connection (e)

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