

LIGHT HUB



Gateway luminaire control

DS-450002-00

DISCLAIMER

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DESCRIPTION

The LIGHT HUB is the device responsible to manage and control the communications from and towards a single LED Module or a grouped of LED modules if they contain the same number of colored channels. Multiple sub-groups are available if different lighting scenarios are foreseen.

The communication bus is RS485 allowing for high speed signals over long distances in serial connections.

The LIGHT HUB is designed for indoor applications only (IP20).



Figure 1. LIGHT HUB picture

LIGHT HUB - Characteristics

- Able to control up to 1023 Luminaires with a single device but may be lower if the traffic signal towards and from the luminaires is expected to be very high.
- Fits in a rail DIN
- Communication bus protocol: RS 485
- Able to be connected to the Internet (IoT LIGHTCREATOR® platform) using Ethernet connection
- USB, mini USB, micro HDMI and micro SD card available
- Easy to plug and play

LIGHT HUB ELECTRICAL SPECIFICATIONS

Nominal Input Voltage	5 V DC (Constant Voltage)
Max. Current Input	1 A
Input data	Ethernet RJ45
Output data	Pair of wires labeled A, B (serial bus RS 485)

The LIGHT HUB is provided with a power supply unit adaptor allowing 110-240V AC input power at 50/60Hz and output signal at 5V DC 2.4A (12 W max).

DIMENSIONS

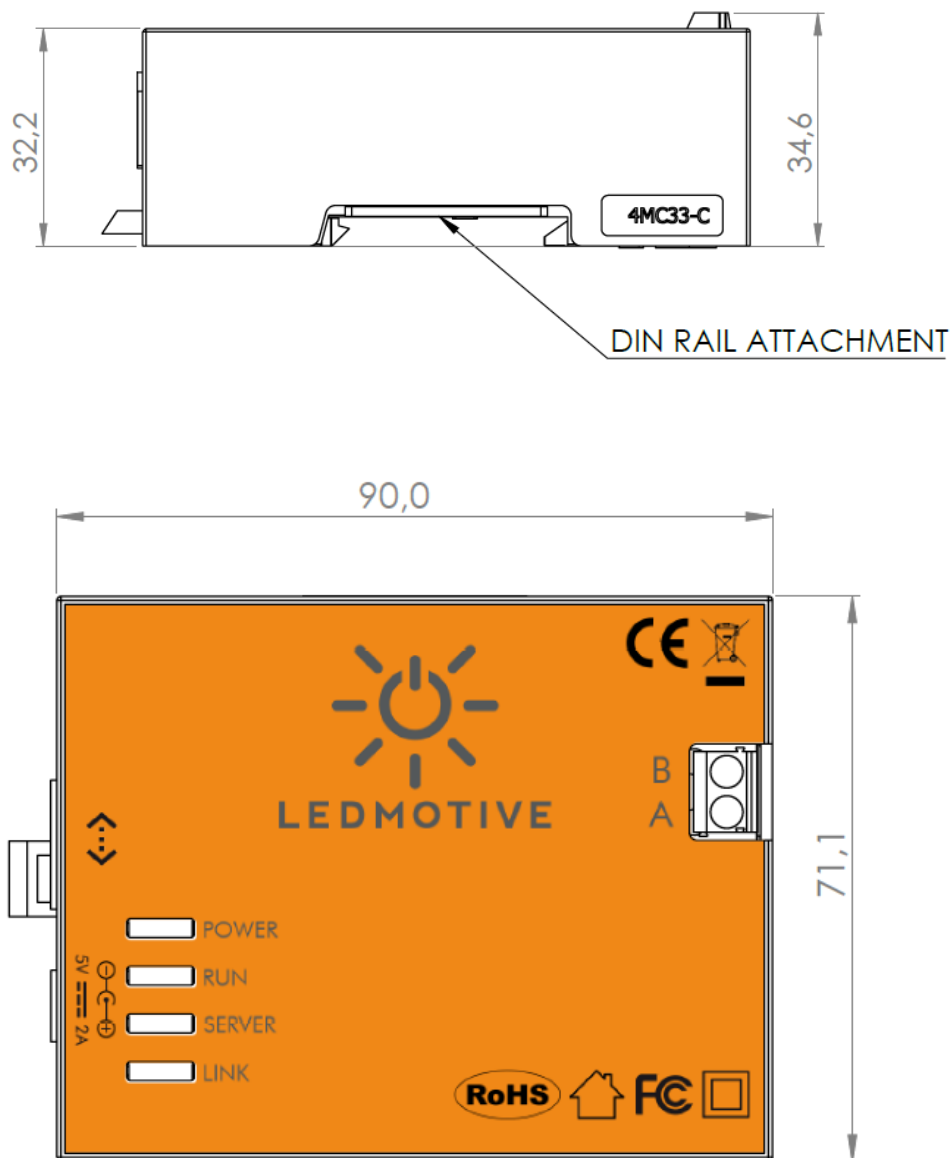


Figure 2. LIGHT HUB dimensions

MAINTENANCE AND SERVICE

- The LIGHT HUB is intended for use in dry interiors only with IP20.
- It is not water resistant and must be protected from adverse weather conditions (hot and humid).
- To avoid damage, do not expose it to spray, liquids, dust, or chemical products.
- Do not open or manipulate the LIGHT HUB device

WARNING AND SAFETY

- All necessary measures must be taken to avoid electric shock when handling electrical and/or electronic equipment. In case of doubt disconnect the main power supply when handling lighting equipment.
- During normal operation, the casing can achieve high temperature, be careful on handling it to avoid burning.
- The LIGHT HUB must not be operated in explosive environments.
- All statements regarding safety of operation, warranty and technical data only apply when the unit is operated correctly according to its specifications.
- The safety of any system incorporating the equipment is the responsibility of the assembler of the system.

DISPOSAL

- In accordance with EU Directive WEEE (Waste Electrical and Electronic Equipment), must not be disposed of with another household waste.
- At the end of their life, Light hub must be taken to the appropriate local facility available for the disposal or recycling of electronic products.

WARRANTY

- This product has passed the EU regulations and directives.
- LEDMOTIVE offers a one-year limited warranty on the LED-Module and electrical parts.

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