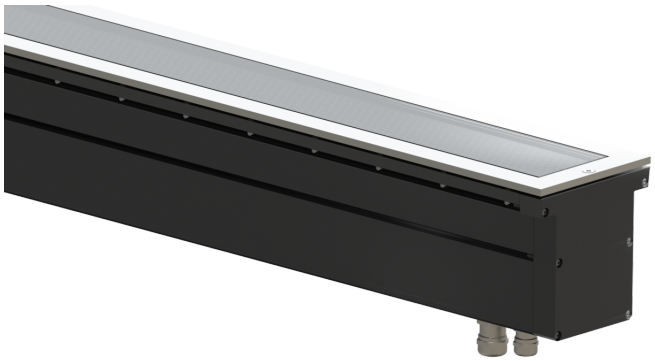

tellus m eco

User manual

Dear customer,

Thank you for choosing our product.
Please read this user manual carefully before using the product. This manual is part of the product and should be kept in a safe place for future reference. If you pass the product on to third parties, please also pass on this user manual.

Scope of Delivery

If you notice any transport damage or discrepancies between the specified delivery contents and the packaging contents, please notify your point of sale immediately.

Safety instructions

- Connection and operation of this device should only be performed by qualified personnel in accordance with all applicable regulations.
- Always observe the technical specifications provided in the datasheet.
- Subject to technical modifications.
- The included operating instructions are essential for proper use.
- The wire assignment must comply with the wiring diagram!
- Before starting work, ensure the power supply is disconnected and voltage-free!
- Protection against electric shock must be ensured during installation.
- We recommend additional on-site protection via a residual current device (RCD).
- During installation, ensure that adjacent components can withstand a temperature of 90°C.
- Do not operate the luminaire on the same circuit as inductive loads (fluorescent lamps, discharge lamps, fans, etc.). Switching inductive loads may cause damage to the luminaire.
- Insulation must not rest on the luminaire.
- Observe the operating temperature specified in the technical data during installation!
- When drilling mounting holes, ensure that the mains cables are not damaged.
- Stranded wires must not be tinned. Ferrules must be used.
- Observe the voltage marking on the control gear.
- Ensure a proper electrical connection when connecting the luminaire.
- If the luminaire is connected to the power supply while under load, it may be damaged! (Not covered under warranty.)
- Any modification is prohibited. The manufacturer assumes no liability for damages resulting from alterations, improper use, or incorrect installation.
- Store the device in a dry location and protect it from damage!

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Operation

DMX / RDM

DMX - Modes of operation and DMX-Footprints

Product Name	Modes + DMX Footprints		
	Modes	Resolution	DMX-Footprint / Segment
tellus m eco - pureWhite		8bit 16bit	1 2
tellus m eco - pureColor		8bit 16bit	1 2
tellus m eco - tunableWhite		8bit 16bit	2 4
tellus m eco - Color Changing		8bit 16bit	4 8

RDM - Remote Device Management Protocol

BION Technologies luminaires integrate seamlessly with DMX512 networks, utilizing the RDM (Remote Device Management) protocol defined by ANSI E1.20.

The RDM protocol enables effortless discovery, configuration, monitoring, and management of your luminaires, ensuring precision and efficiency in any setup. RDM elevates lighting control by providing real-time fixture monitoring, customizable settings adjustments, and fast fault diagnosis. BION luminaires support a comprehensive range of RDM Parameter IDs, allowing users to fully harness the potential of their systems.

The following parameters can be read and set via RDM.

Parameter IDs	GET	SET
DISC_UNIQUE_BRANCH	✓	✓
DISC_MUTE	✓	✓
DISC_UN_MUTE	✓	✓
SUPPORTED_PARAMETERS	✓	
DEVICE_INFO	✓	
DEVICE_MODEL_DESCRIPTION	✓	
MANUFACTURER_LABEL	✓	
DEVICE_LABEL	✓	✓
SOFTWARE_VERSION_LABEL	✓	
DMX_PERSONALITY	✓	✓
DMX_PERSONALITY_DESCRIPTION	✓	
DMX_START_ADDRESS	✓	✓
SENSOR_DEFINITION	✓	
SENSOR_VALUE	✓	
DEVICE_HOURS	✓	

Parameter IDs	GET	SET
DEVICE_POWER_CYCLES	✓	

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