Interface

LOXONE Tree	connection with Miniserver / Tree Extension

Light Properties

Dimming Range	0 ... 100 %
Colour Temperature (CCT)	2 200 ... 6 500 K (typ. 3 000 K)
Luminous Flux	typ. 835 lm (3 000 K, 100 %)
Light Source Energy Efficiency Class (EU 2019/2015)	E
Colour Rendering index (CRI)	≥ 95 (R9 ≥ 70)
Beam Angle	60°
Unified Glare Rating (UGR)	25

Safety Instructions

Installation must be carried out by a qualified electrician in accordance with the applicable regulations.
This device is maintenance-free and must only be cleaned with a dry cloth.

For more information about this product, visit
loxone.com/help/spot-pure-rgbw-tree

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For additional information, declaration of conformity, visit
www.loxone.com/datasheets

Need Help?
loxone.com/support

Spot Pure RGBW Tree

Part No.: 100822 (White)
Part No.: 100823 (Black)
Part No.: 100899 (Gold)

LOXONE

About the product

The LOXONE Spot Pure RGBW Tree is a recessed LED spotlight that combines high-quality tunable white light (2 200 – 6 500 K) with vibrant colored light. It is powered by 24 V DC and controlled directly via the LOXONE Tree interface.

Features

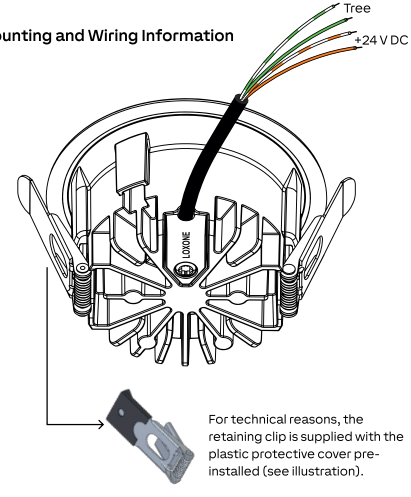
- High-End LED technology
- Premium White & RGB light output
- Low-profile recessed design (40 mm)
- LOXONE Tree technology
- Automatic Thermal Derating for efficiency & protection

Electrical Specifications

Supply Voltage	20 ... 30 V DC
Power Consumption	• Standby: <0.1 W • Red: 5.2 W • Green: 2.3 W • Blue: 2.9 W • typ. 3 000 K - 80 %: 5.8 W • max. 9.5 W
PWM Frequency	up to 20 kHz
Dimming Resolution	12 Bit
Ingress Protection	Front IP44, Back IP20

SUITABLE FOR DAMP LOCATIONS • CONVIENT AUX EMPLACEMENTS HUMIDES • CLASS 2 INPUT ONLY • ENTRÉE DE CLASSE 2 UNIQUEMENT

Mounting and Wiring Information



For technical reasons, the retaining clip is supplied with the plastic protective cover pre-installed (see illustration).

The luminaire may reach high surface temperatures during operation. **Install out of reach** (typically ≥ 2.5 m above finished floor level).

When in contact with metal structures in the building, a defined equipotential bonding must be established to protect the luminaire's electronics from interference or damage.

In the delivery state, the device enters pairing mode automatically once the power supply (24 V) and connection to LOXONE Tree are established. Connect via LOXONE Config with the Miniserver to pair the device and add it to your program.

Connection Cable

Wire cross-section	4 x 0.34 mm² / AWG 22
Stripping length	80 mm / 3.15"
Temperature resistance	max. 105 °C / 221 °F
Length	200 mm / 7.87"

Product Dimensions

Hole diameter	68 ... 72 mm / 2.68 ... 2.83"
Installation depth	40 mm / 1.57"
Installation width	148.3 mm / 5.84"
Ceiling thickness	5 ... 30 mm / 0.2 ... 1.18"

