

# CBU-DA-100-TRACK

The controller performs two functions at one time: It creates a wireless CASAMBI network node and a wired DALI infrastructure supporting up to 8 addresses (Group or Short DALI Address). Included is a DALI power supply giving current for up to 50 luminaires.



≡ Gates

🔊 BLE Mesh, DALI, DALI-2, Track 230V

## Description

The controller plugs directly into the 3-phase bus + DALI line (Global XTSC standard). After plugging into the bus and performing the addressing procedure, up to 50 LED luminaires organized into up to 8 control groups can be controlled. It is worth noting that this product supports profiles such as DALI D4i up to 8 addresses, DALI Broadcast, DALI DT6, DALI DT8, DALI Gateway.

The controller has a built-in 100mA power supply and can work with DALI2 luminaires and sensor. In addition, Casambi switches and sensors and dedicated EnOcean switches can be used in the lighting system. Casambi's technology makes it possible to create hybrid networks consisting of both Casambi Ready and DALI or DALI2 devices.

Remember that in the system, the controller is visible as a single control point so paired Casambi sensors affect all luminaires connected to it regardless of group addressing. If you want to control groups of luminaires independently use CBU-1032-70-TRACK.

You'll access all functions through the dedicated Casambi APP software (downloadable on the Apple App Store or Google Play Store).

## Additional information

How many control points will it support?	50	
Practical range [m]	50	In "Balanced" mode, where speed and range are optimized for networks of up to 100 nodes.
	30	In "Best Performance" mode, where network speed is achieved at the expense of ranges between nodes
How much power does it control? [W]	Calculate	Depends on the sum of the powers of the connected DALI power supplies
Supply voltage [V]	230	
Current [mA]	10	
Maximum DALI line current [mA]	250	This is the maximum DALI line current described by the standard
Guaranteed DALI line current [mA]	100	This is the maximum current available at the device output for 32 luminaires connected on the same DALI bus
Operating frequency [Mhz]	2400	Channels in the range of 2402 to 2480 Mhz
Maximum RF transmitter power [dBm]	+8	This is the power measured at the antenna before the housing is mounted, and the ranges depend on many external factors, so use the "practical range" parameter.
Operating temperatures [oC]	-20 to +65	
Maximum humidity [%]	80	Without water vapor condensation, because at a humidity of e.g. 80%, cooling the air causes the vapor to condense, which is harmful to electrical devices.
IP protection class [xy]	20	IP20 protection means that the device is protected against the ingress of solid objects larger than 12 mm in diameter (e.g. fingers), but does not provide protection against water. This is a basic protection standard, used in devices intended for use in dry rooms, where there is no exposure to dust or moisture.
IK protection class [xy]	Not tested	The operating conditions of the device do not provide for mechanical shocks during installation and normal operation.
Overall dimensions L x W x H [mm]	104 x 80 x 108	
Extra Dimensions [mm]	Base diameter 80mm	
Housing material	Polyamide PA	
Weight [g]	160	
Connection	Busbar 230V	Make sure that the adapter and luminaires are compatible with the DALI track system and support DALI control. The adapter must be correctly plugged into the track. Make sure that the contacts are correctly positioned and the adapter is securely attached. Pay attention to the direction of the adapter installation, in accordance with the track manufacturer's instructions, to ensure a correct connection, first connect the power supply and then the control.
Color	Black	...any color You like as long as is black ;)