

SPECTASTICKS

DATE 13/10/23, VERSION 1.0

SpectaSticks serve as interactive and ambient accessories for events, photo or video shoots and other purposes. They are constructed of a digital LED strip, a circular diffuser and a black base obtaining battery and Spectoda Controller (SC Battery A1). They are compatible with all other Spectoda Devices and with the control platforms: Spectoda Studio and Spectoda App.

SPECIFICATIONS

Spectoda Controller	SC Battery A1
LED power	11 W
LED type	SK6812
Pixels	110 + 1 indication
Field angle	270°
Height	182 cm
Weight	1304 g (base 858 g, profile 446 g)
Base dimensions	20 × 20 × 3 cm
Tube diameter	3 cm
Battery runtime	12 hours at full brightness, 18 hours at 50 % brightness (typical for indoor use), can be extended via external battery pack
Charging time	10 hours at 10 W
DC input	5V USB-C
Communication	BLE for client-to-device connection, ESP-NOW for mesh network
Wireless range	BLE up to 20 m, ESP-NOW up to 50 m
IP Rating	IP50
Ambient operating temperature	0-40 °C



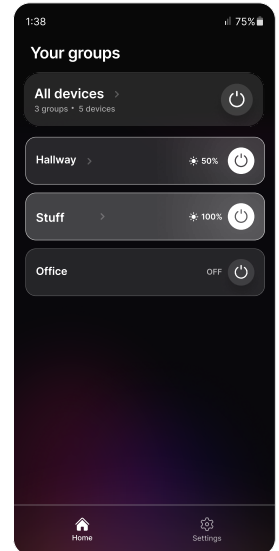
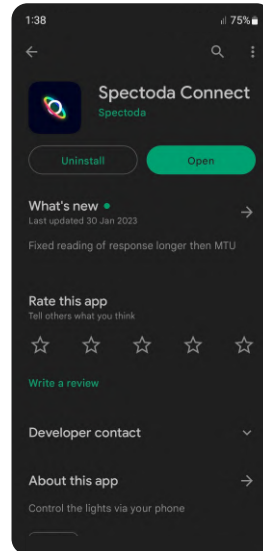
CONTROL APPS

SPECTODA APP

The Spectoda App is designed for main control and functions. It is available for free in the native app Spectoda Connect, which can be downloaded from **Google Play** and **App Store**.

Functions:

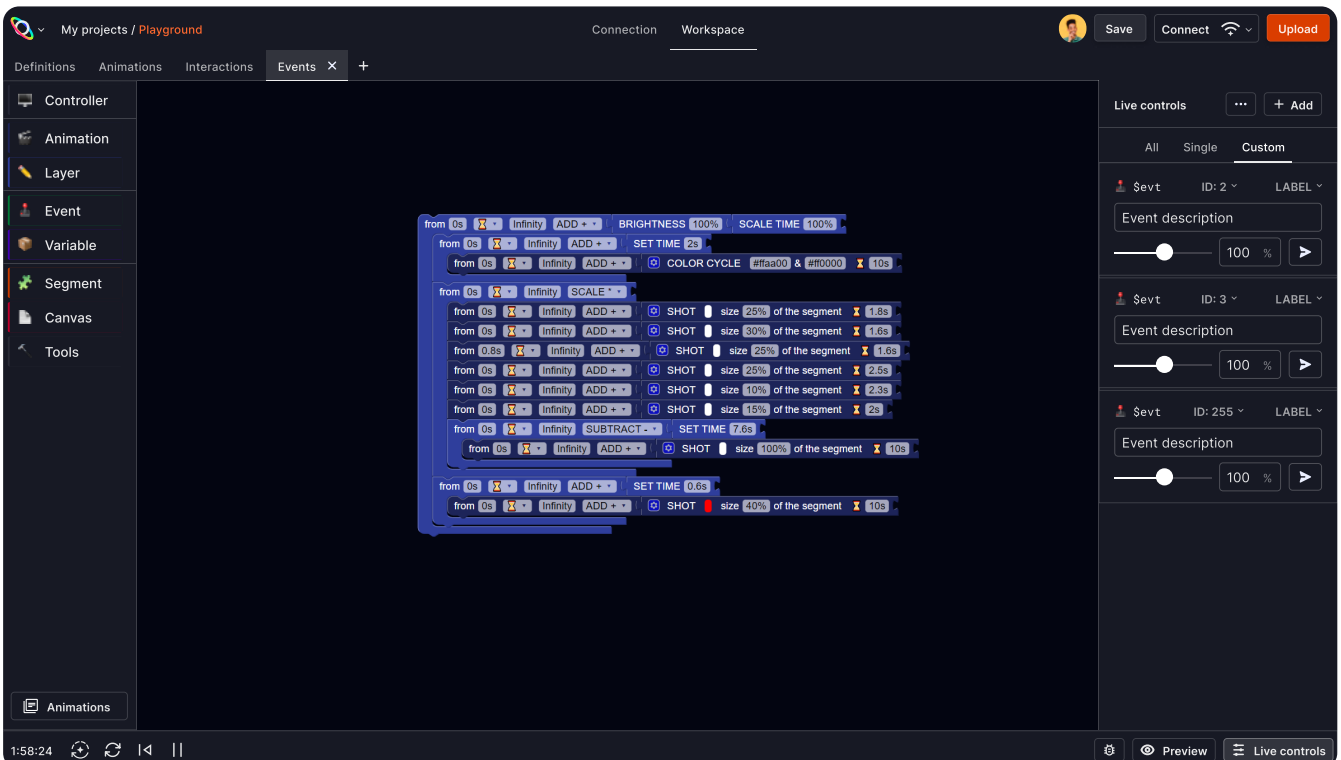
- on/off,
- brightness adjustment,
- wireless lamp synchronization,
- control in groups or individually,
- colour picker,
- library of over 50 effects and gradients,
- custom animation creation,
- adjustable speed of effects.



SPECTODA STUDIO

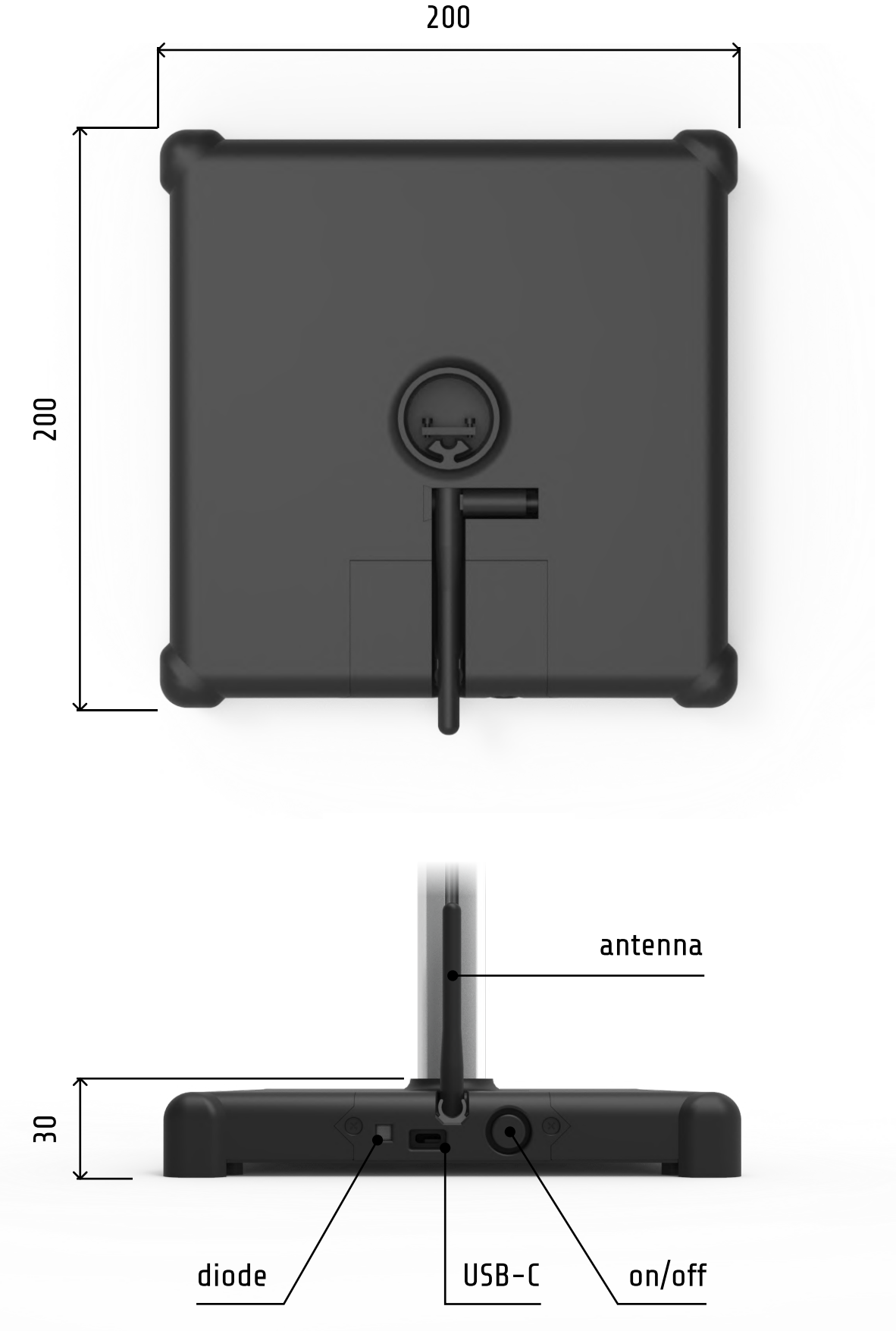
Sophisticated and complicated light management is done in the Spectoda Studio. It is a development environment for creating custom animations and effects, connecting lights to sensors, e.g. motion, music or daylight sensors, or programming a light show.

The studio can be accessed at www.spectoda.com/studio.

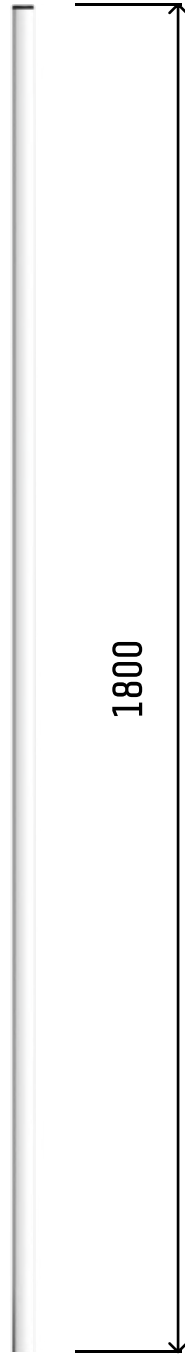


DRAWINGS

Pedestal M 1:2



Profile M 1:10



CHARGING

POWERBANK

USB-C powerbanks serve for extending battery runtime during the time SpectaSticks are supposed to shine at events.



CHARGER

USB-C battery charger can charge 6 SpectaSticks at once. It is possible and recommended for easier manipulation to pull the profiles out during charging.

