

CIRCUIT DESCRIPTION

Overall description of the circuit:

* This product uses MCU (RY8310) and WI-FI/BT module TUYA CB3S to control the chromaticity and brightness of a warm light.

All operations are finally completed by the TUYA module CB3S link to the network to achieve cloud control function.

* Various brightness of the light board can be controlled through the panel buttons and mobile phone APP, mainly used in ambient lights, lighting, creative lights, warning reminders, etc.

Control part: This product is realized by the MCU (RY8310) of the machine's LED white light drive and phantom color LED data flow

The TUYA module CB3S is responsible for linking to the network in the form of WIFI, and realizes the APP control function issued by the cloud from the mobile phone smart terminal. And through the internal communication interconnection to realize the response call of the mcu native function. CB3S use BK7231NQN32 Chip and 26MHz crystal.

Voltage : AC 120V

Frequency Range:

BLE 1M: 2402-2480MHz

2.4G Wi-Fi: 2412-2462MHz/2422-2452MHz

Modulation Technique:

BLE: GFSK

2.4G Wi-Fi: DSSS, OFDM