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specification

KEY CABINET PRODUCT SPECIFICATION

Colorful Street Light: ZSL-PT10

网址: www.zebrastation.cn 电话: 020-3999 6976 邮箱: guoyuhao@ibanma.net Website:
www.zebrastation.cn Phone: 020-3999 6976 Email: guoyuhao@ibanma.net
Address: Room 1401, Building 16, Tianan Headquarters Center, No.555 North Panyu Avenue,
Donghuan Street, Panyu District, Guangzhou City

1. Product Image



2、Product Overview

The ZSL-PT10 Colorful Shelf Light is a 2.4G customizable electronic reminder light featuring color-coded alerts with six available colors, multiple RGB LEDs, and an optional transparent or red housing. Its high brightness enables quick item location (with illuminated indicators for targeted items), making it ideal for applications such as warehouse shelves, Cainiao Station shelves, supermarket storage areas, and large-scale inventory management systems.

III. Product Features

- 2.4G low-power design with standby power consumption of 49.3 μA ;
- Features a transparent casing with multiple colors clearly visible
- Features a special sealing compound with an IP64 waterproof rating;
- Total weight: 88 grams;
- Two AA batteries (7 cells each), with a capacity of 1000 mA, providing up to 24 months of operation (operating over 10 times daily, each session lasting 5 seconds);
- The battery is replaceable (Nanfu batteries are recommended due to their high capacity);

IV. Specifications and Parameters

Main Specification Parameters	
product name	Colorful Street Light Design
product model	ZSL-PT10
product size	φ70mm*44mm(H)
Product Weight	88g
cell	Cell 2, Battery No.7
communicating protocol	AES Encryption Private
transmitting power	Default: 0 dBm
way to install	lockhole
sheathing material	PC
communication range	Unobstructed radius: 20 m (depending on environmental conditions)
operate time	24 months (the battery lifespan is calculated based on the customer's usage frequency)
Storage Temperature	0 ~ 65°C
pigment	White transparent (customizable)

V. System Application Block Diagram

