

# Stackable Cube Tower Lights with Built-in Alarm

## SJD Series



SJD

### PRODUCT SPECIFICATION

SJD | SJDL | SJDS

**Materials** Lens-AS, Body-ABS,  
Reflector-Heat resistant ABS

**Protection rating** IP23

**Standard color**

1st layered - ● Red

2nd layered - ● Red ● Green

3rd layered - ● Red ● Yellow ● Green

- Cube-shaped(95×95mm) stacked tower lights and audible alarm combinations
- Lamp can be selectable among bulb revolving, LED steady/flashing, xenon strobe depending on installation environment
- 5 Warning sounds, 5 Melodies, 5 Alarms, and 5 Customizable sounds available
- WV type: Input audio message needs to be provided to us by the customer prior to manufacturing
- Multiple stacked light segments conserves space

### SJD Bulb Revolving Cube Tower Light

| Model number | Layer | Voltage | Bulb  |            |          | Sound pattern and volume   | Certificates | Weight                 | Color                             |
|--------------|-------|---------|-------|------------|----------|--|--------------|------------------------|-----------------------------------|
|              |       |         | Spec  | Standard   | Parts no |  |              |                        |                                   |
| SJD          | 1     | DC12V   | 12V5W | T16x35 15S | 5        | ·WS-5 warning sounds<br>: Max.90dB<br>·WM-5 Melodies: Max.90dB<br>·WA-5 Alarms: Max.85dB<br>·WV-5 customizable sounds<br>: 79-85dB |              | DC-1.41kg<br>AC-1.79kg | ● R-Red                           |
|              |       | DC24V   | 24V5W | T16x35 15S | 6        |  |              |                        |                                   |
|              |       | AC110V  | 12V5W | T16x35 15S | 5        |  |              |                        |                                   |
|              |       | AC220V  | 12V5W | T16x35 15S | 5        |  |              |                        |                                   |
|              | 2     | DC12V   | 12V5W | T16x35 15S | 5        |  | -            | DC-1.65kg<br>AC-2.04kg | ● R-Red<br>● G-Green              |
|              |       | DC24V   | 24V5W | T16x35 15S | 6        |  |              |                        |                                   |
|              |       | AC110V  | 12V5W | T16x35 15S | 5        |  |              |                        |                                   |
|              |       | AC220V  | 12V5W | T16x35 15S | 5        |  |              |                        |                                   |
|              | 3     | DC12V   | 12V5W | T16x35 15S | 5        |  |              | DC-1.90kg<br>AC-2.29kg | ● R-Red<br>● A-Amber<br>● G-Green |
|              |       | DC24V   | 24V5W | T16x35 15S | 6        |  |              |                        |                                   |
|              |       | AC110V  | 12V5W | T16x35 15S | 5        |  |              |                        |                                   |
|              |       | AC220V  | 12V5W | T16x35 15S | 5        |  |              |                        |                                   |

- Employs a special Power transmission system that minimizes noise and wear
- Available in customized color arrangements
- Revolving speed: 120-140RPM
- Ambient operating temperature: -20°C to +50°C

※ Max.built-in volume feature is based on WS-Ch1 / WM-Ch4 / WA-Ch5.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

### Light source/signal sound current(based on 1 layer)

| Voltage                       | DC12V | DC24V | AC110V | AC220V |
|-------------------------------|-------|-------|--------|--------|
| Light source current(1 layer) | 490mA | 350mA | 100mA  | 50mA   |
| Signal sound current          | 210mA | 130mA | 75mA   | 50mA   |

## Stackable Cube Tower Lights with Built-in Alarm

# SJD Series



SJDL / SJDS

### SJDL Stackable Cube Tower Lights

| Model number | Layer | Voltage   | Sound pattern and volume   | Certificates | Weight | Color                             |
|--------------|-------|-----------|--|--------------|--------|-----------------------------------|
| SJDL         | 1     | DC12V-24V | ·WS-5 Warning sounds<br>: Max.90dB<br>·WM-5 Melodies<br>: Max.90dB<br>·WA-5 Alarms: Max.85dB<br>·WV-5 Customizable sounds: 79-85dB | -            | 1.63kg | ● R-Red                           |
|              |       | AC110V    |  |              |        |                                   |
|              |       | AC220V    |  |              |        |                                   |
|              | 2     | DC12V-24V |  |              | 1.80kg | ● R-Red<br>● G-Green              |
|              |       | AC110V    |  |              |        |                                   |
|              |       | AC220V    |  |              |        |                                   |
|              | 3     | DC12V-24V |  |              | 2.04kg | ● R-Red<br>● A-Amber<br>● G-Green |
|              |       | AC110V    |  |              |        |                                   |
|              |       | AC220V    |  |              |        |                                   |

- Wide diffusion lens of 96mm height provides a Powerful LED signal light
- Built-in switches for steady/flashing mode
- Flashing rate: 60-80 flashes/min
- Ambient operating temperature: -30°C to +50°C

#### Light source/signal sound current(based on 1 layer)

| Voltage                       | DC12V-24V | AC110V | AC220V |
|-------------------------------|-----------|--------|--------|
| Light source current(1 layer) | Max.185mA | 80mA   | 40mA   |
| Signal sound current          | Max.210mA | 75mA   | 50mA   |

### SJDS Stackable Cube Tower Lights

| Model number | Layer | Voltage   | Sound pattern and volume   | Certificates | Weight | Color                             |
|--------------|-------|-----------|--|--------------|--------|-----------------------------------|
| SJDS         | 1     | DC12V-24V | ·WS-5 Warning sounds<br>: Max.90dB<br>·WM-5 Melodies<br>: Max.90dB<br>·WA-5 Alarms: Max.85dB<br>·WV-5 Customizable sounds: 79-85dB | -            | 1.25kg | ● R-Red                           |
|              |       | AC110V    |  |              | 1.66kg |                                   |
|              |       | AC220V    |  |              | 1.66kg |                                   |
|              | 2     | DC12V-24V |  |              | 1.45kg | ● R-Red<br>● G-Green              |
|              |       | AC110V    |  |              | 1.84kg |                                   |
|              |       | AC220V    |  |              | 1.84kg |                                   |
|              | 3     | DC12V-24V |  |              | 1.64kg | ● R-Red<br>● A-Amber<br>● G-Green |
|              |       | AC110V    |  |              | 2.03kg |                                   |
|              |       | AC220V    |  |              | 2.03kg |                                   |
|              |       | AC220V    |  |              | 2.03kg |                                   |

- Diffusion strong light offers long distance transmission of signal light
- Lamp connector fastening structure allows for convenient lamp replacement
- Flashing rate: 60-80 flashes/min
- Ambient operating temperature: -30°C to +50°C

※ Max.built-in volume feature is based on WS-Ch1 / WM-Ch4 / WA-Ch5.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

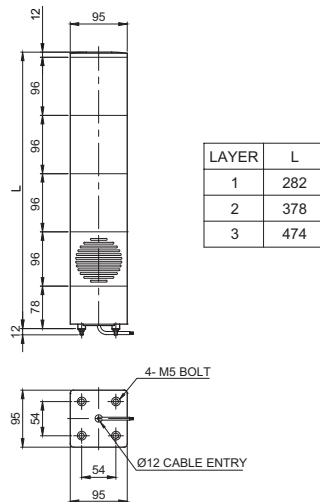
※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

#### Light source/signal sound current(based on 1 layer)

| Voltage                       | DC12V-24V | AC110V | AC220V |
|-------------------------------|-----------|--------|--------|
| Light source current(1 layer) | Max.1.26A | 210mA  | 110mA  |
| Signal sound current          | Max.210mA | 75mA   | 50mA   |

## Technical Diagram

Units: mm



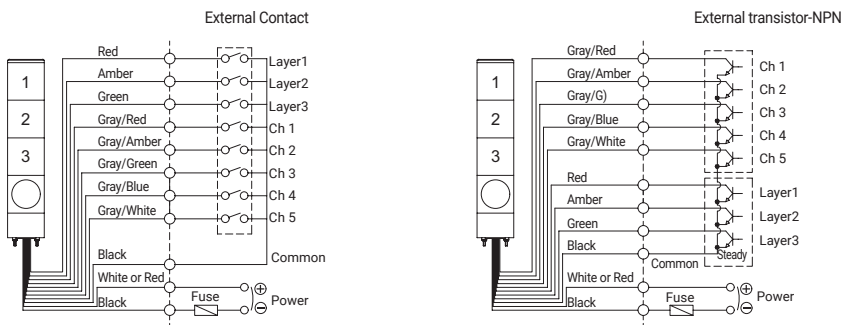
**!** Do not apply a voltage to each signal line. It may cause damage to the product

- SJD type can be wiring with External Contact and transistor.
- Wiring to transistor, use the NPN transistor. Please wire properly based on technical diagram.
- Bulb type SJD and xenon lamp type can not be wiring with transistor.
- Please use External Contact.

## Wiring Instructions

·SJD / SJD / SJDs-DC/AC

·SJD-DC/AC



## Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- SJD model: Black output line is negative(-).

## Customization

- Customized color arrangements available

## Ordering Specification

| SJD            | - | WA                    | - | 3         | - | 220             | - | RAG       |
|----------------|---|-----------------------|---|-----------|---|-----------------|---|-----------|
| [Model number] |   | [Sounds]              |   | [Layer]   |   | [Voltage]       |   | [Color]   |
| SJD            |   | WS-Warning            |   | 1-1Layer  |   | 12-DC12V        |   | ● R-Red   |
| SJD            |   | WM-Melody             |   | 2-2Layers |   | 24-DC24V        |   | ● A-Amber |
| SJD            |   | WA-Alarm              |   | 3-3Layers |   | 12/24-DC12V-24V |   | ● G-Green |
|                |   | WV-Customizable sound |   |           |   | (SJD, SJD only) |   |           |
|                |   |                       |   |           |   | 110-AC110V      |   |           |
|                |   |                       |   |           |   | 220-AC220V      |   |           |