

# PTE Series D56mm Modular Style LED Tower Light



PTE series tower Lights combine the latest LED technology with UL safety technology.

With a new concept and innovative design, PTE series light towers are ideal for factory automation and many applications.

- Stylish design
- LED modular components
- Bright & even light distribution through prism-cut lenses
- Fast & easy assembly with inter-locking construction
- 8 base mount options
- Optional 80dB Buzzer (fixed or adjustable volume)
- IP65 rated
- RoHS compliant

## Ordering Information

PTE - **A** **P** **F** - **3** **02** - **RYG** - **B** (H) **W**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

\* Options

### 1. Body Unit

|          |                          |                | Apply to Mounting style |
|----------|--------------------------|----------------|-------------------------|
| <b>S</b> | Flat Based Body          | Code7          | <b>C</b>                |
| <b>A</b> | Pole Mount Standard Body | Code7 + Code10 | <b>G/P/R/M/W/D/J</b>    |
| <b>D</b> | Short Body               | Code6          | <b>P/R/M/W/D/J</b>      |
| <b>T</b> | Terminal Body            | Code15         | <b>G/P/R/M/W/D/J</b>    |
| <b>L</b> | Small Surface Body       | Code17         | <b>C</b>                |

Note: "D", "L" Type - Power Supply 24V AC/DC Only

### 2. Mounting Style

|          |                                                |                   |
|----------|------------------------------------------------|-------------------|
| <b>C</b> | Surface Mount                                  | Code 18           |
| <b>G</b> | Plastic mount base (MAM-B070B)                 | Code 8 + Code 16  |
| <b>P</b> | Pole + Plastic mount base (MAM-B070D)          | Code 8 + Code 11  |
| <b>R</b> | Pole + Rotate plastic mount base (MAM-B070R)   | Code 8 + Code 20  |
| <b>M</b> | Pole + Plastic M20 screw mount base (MAM-B025) | Code 8 + Code 9   |
| <b>W</b> | Pole + Wall mount bracket (MAP-DS40)           | Code 8 + Code 12  |
| <b>D</b> | Pole + Aluminum Pole mount base (MAM-DS32)     | Code 8 + Code 22  |
| <b>J</b> | Pole Adjustable Type                           | Code 21 + Code 11 |

Note: R Type Mount base - 180-degree revolution

### 3. Light Style

|          |                                               |
|----------|-----------------------------------------------|
|          | Steady Light                                  |
| <b>F</b> | Steady + Flashing Light                       |
| <b>B</b> | Steady + Buzzer (Fixed Sound)                 |
| <b>V</b> | Steady + Buzzer (Adjustable Sound)            |
| <b>Z</b> | Steady + Flashing + Buzzer (Fixed Sound)      |
| <b>X</b> | Steady + Flashing + Buzzer (Adjustable Sound) |

### 4. Number of Stacks

|          |          |
|----------|----------|
| <b>1</b> | 1 Light  |
| <b>2</b> | 2 Lights |
| <b>3</b> | 3 Lights |
| <b>4</b> | 4 Lights |
| <b>5</b> | 5 Lights |

Note: Buzzer type - up to 4 tiers

### 5. Power Supply

|           |            |
|-----------|------------|
| <b>02</b> | 24V AC/DC  |
| <b>FF</b> | 90~240V AC |

### 6. LED Colors (Top to Bottom)

|          |        |          |       |
|----------|--------|----------|-------|
| <b>R</b> | Red    | <b>B</b> | Blue  |
| <b>Y</b> | Yellow | <b>C</b> | Clear |
| <b>G</b> | Green  |          |       |

### Options

#### 7. Body Colors

|          |       |
|----------|-------|
| <b>B</b> | Black |
|----------|-------|

Note: Standard Body Color - White Ivory.

#### 8. Option

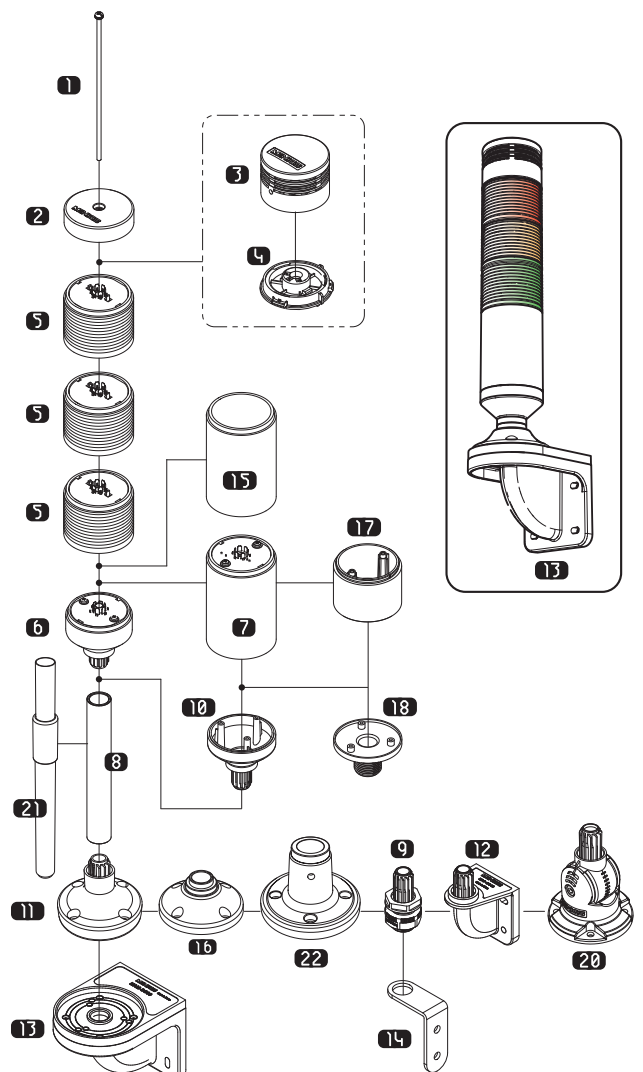
|            |                                                             |
|------------|-------------------------------------------------------------|
| <b>(V)</b> | Continuous Flashing<br>Flashing Cycle:<br>(240Times/minute) |
| <b>(C)</b> | Buzzer Continuous sound<br>(Sound: Pt-----)                 |
| <b>(H)</b> | Buzzer 100dB type<br>- Adjustable Sound<br>- Model: MPZ-56H |

#### 9. Lens Colors

|          |                         |
|----------|-------------------------|
| <b>W</b> | All Lens Colors - Clear |
|----------|-------------------------|



## Exploded View / Part Code



See Page 35 ~ 37  
for Mounting Options and Accessories.

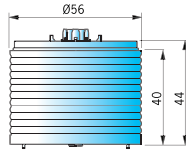
## Specifications

### Body Units

|                       |                                                  |
|-----------------------|--------------------------------------------------|
| Operation/Function    | Steady , Flashing , Buzzer                       |
| Power Supply          | AC/DC 24V , AC 90 ~ 240V 50/60Hz                 |
| Lens Color            | Red, Yellow, Green, Blue & Clear                 |
| Maximum Tier          | 5 Tiers (Buzzer type: 4 Tiers)                   |
| Flash Rate (±10%)     | 80times/minute, <Option V-type: 240times/minute> |
| Vibration             | 0.75mm at 10~55Hz                                |
| Ambient Temperature   | -15 to 40°C                                      |
| Storage Temperature   | -20 to 70°C                                      |
| Ambient Humidity      | 45 ~ 85% RH                                      |
| Degree of Protection  | IP65 / IP40 (with Buzzer)                        |
| Approvals             | CE , UL, RoHS                                    |
| Recommended Wire Size | 1007 UL / 22AWG                                  |

### Current consumption

| LED Color Unit | 24V AC     | 90~240V AC |
|----------------|------------|------------|
| Red            | 33mA       | 17mA       |
| Yellow         | 27mA       | 17mA       |
| Green          | 42mA       | 22mA       |
| Blue           | 42mA       | 22mA       |
| Clear          | 42mA       | 22mA       |
| Weight         | App. 43.0g |            |

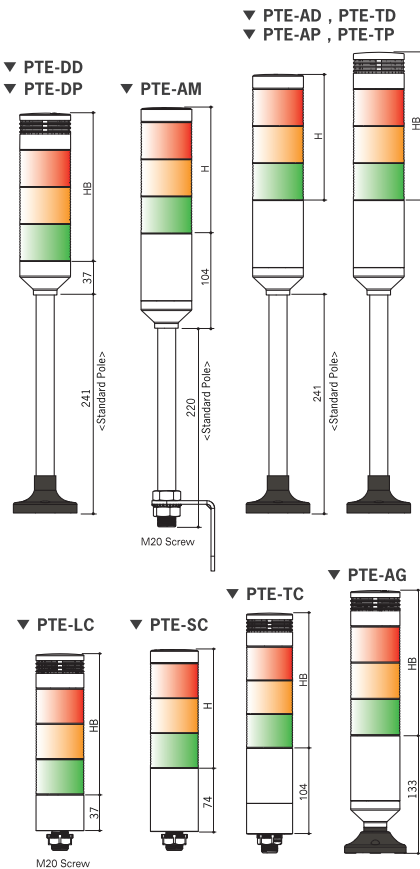


### Buzzer Kits

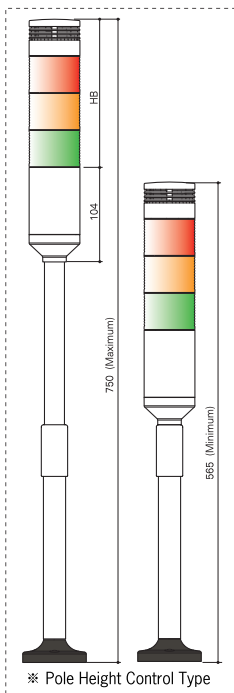
| Type            | Standard Buzzer Sound - pi pi pi pi |                        |                        |
|-----------------|-------------------------------------|------------------------|------------------------|
| Model           | MPZ-56F                             | MPZ-56G                | MPZ-56H                |
| Level Style     | Fixed Sound                         | Adjustable Sound Level | Adjustable Sound Level |
| Sound Level     | 80±5dB at 1M                        | 10~80±5dB at 1M        | 10~100±5dB at 1M       |
| Current / Power | 30mA / 0.72W                        | 30mA / 0.72W           | 150mA / 3.6W           |

## Dimensions <Unit: mm>

### Standard Pole Length : 225mm



### ▼ PTE-AJ <Standard Type>



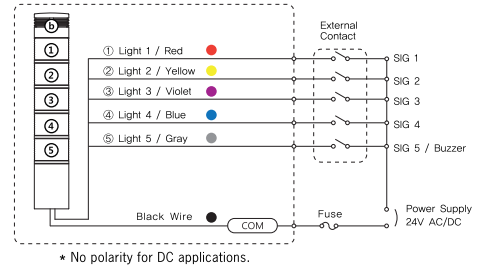
|          | H   | HB  |
|----------|-----|-----|
| 1 Light  | 56  | 81  |
| 2 Lights | 97  | 122 |
| 3 Lights | 138 | 163 |
| 4 Lights | 179 | 204 |
| 5 Lights | 220 |     |

※ The above specifications are changeable at anytime without notice.

## Wiring Diagram

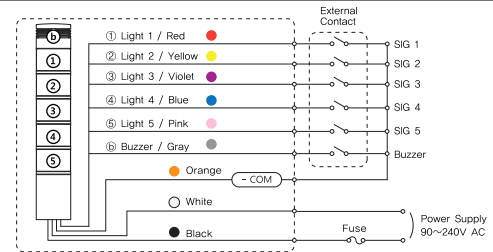
### 24V AC/DC

#### Steady Lights (with Buzzer)



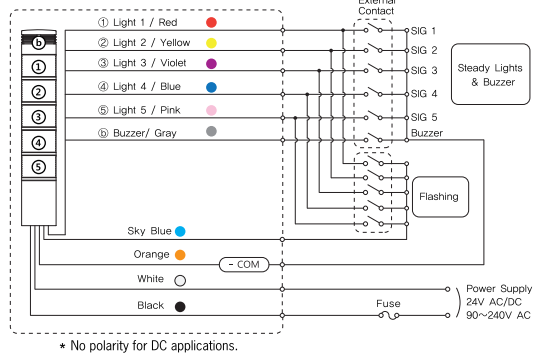
### 90 ~ 240V AC

#### Steady Lights (with Buzzer)



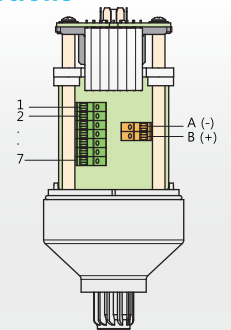
### 24VAC/DC , 90~240V AC

#### Steady or Flashing Lights (with Buzzer)



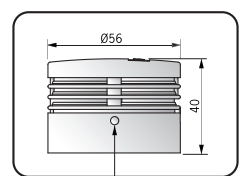
## Terminal Type Connections

| Pin # | Description       |
|-------|-------------------|
| 1     | Light 1           |
| 2     | Light 2           |
| 3     | Light 3           |
| 4     | Light 4           |
| 5     | Light 5 or Buzzer |
| 6     | Steady COM        |
| 7     | Flashing COM      |
| A     | Power Supply (-)  |
| B     | Power Supply (+)  |



**Recommended Wire Size**  
 UL 1007 AWG 22~16  
 UL 1430 AWG 22~16  
 ※ Use 75°C CU Wire only.

### Buzzer Kits Dimensions



Sound Level Adjuster  
 Model: MPZ-56G, MPZ-56H