

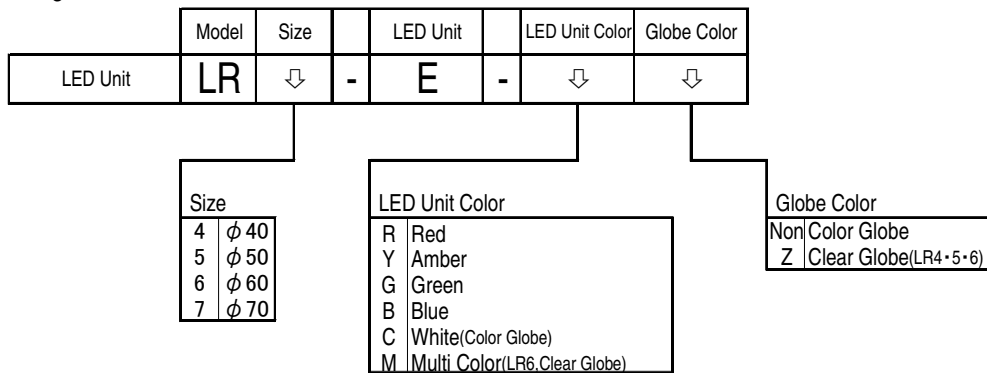
# SPECIFICATIONS

## 1.General Specifications

|                               |     |                                                                                                                                                                                    |
|-------------------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                         |     | LR□-E-□□                                                                                                                                                                           |
| Operating Ambient Temperature |     | -20℃ ~ +50℃                                                                                                                                                                        |
| Operating Ambient Humidity    |     | Less than 90% RH (No Condensation)                                                                                                                                                 |
| Mass<br>(Tolerance± 10%)      | LR4 | 0.035kg                                                                                                                                                                            |
|                               | LR5 | 0.04kg                                                                                                                                                                             |
|                               | LR6 | 0.06kg                                                                                                                                                                             |
|                               | LR7 | 0.065kg                                                                                                                                                                            |
| Outer Dimensions              |     | Refer to the 3.Outer Dimensions                                                                                                                                                    |
| Conformity Standards          |     | UL 508, CSA-C22.2 No. 14<br>EMC Directive (EN 61000-6-4, EN 61000-6-2)<br>RoHS Directive (EN 50581)                                                                                |
| Remarks                       |     | Due to the characteristics of the LED elements, a variation in difference of the color tone and brightness of every product may occur<br>UL Recognized Component (File No.E215660) |

## 2.Model

### 2.1.1 Model Number Configuration



### 2.1.2 Model Number Example

|          |                                                |
|----------|------------------------------------------------|
| LED Unit | LR4-E-C                                        |
|          | ● φ 40 ● LED Unit ● White ● Color Globe(Clear) |
|          | LR4-E-YZ                                       |
|          | ● φ 40 ● LED Unit ● Amber ● Clear Globe        |
| LED Unit | LR5-E-R                                        |
|          | ● φ 50 ● LED Unit ● Red ● Color Globe(Red)     |
| LED Unit | LR6-E-MZ                                       |
|          | ● φ 60 ● LED Unit ● Multi Color ● Clear Globe  |

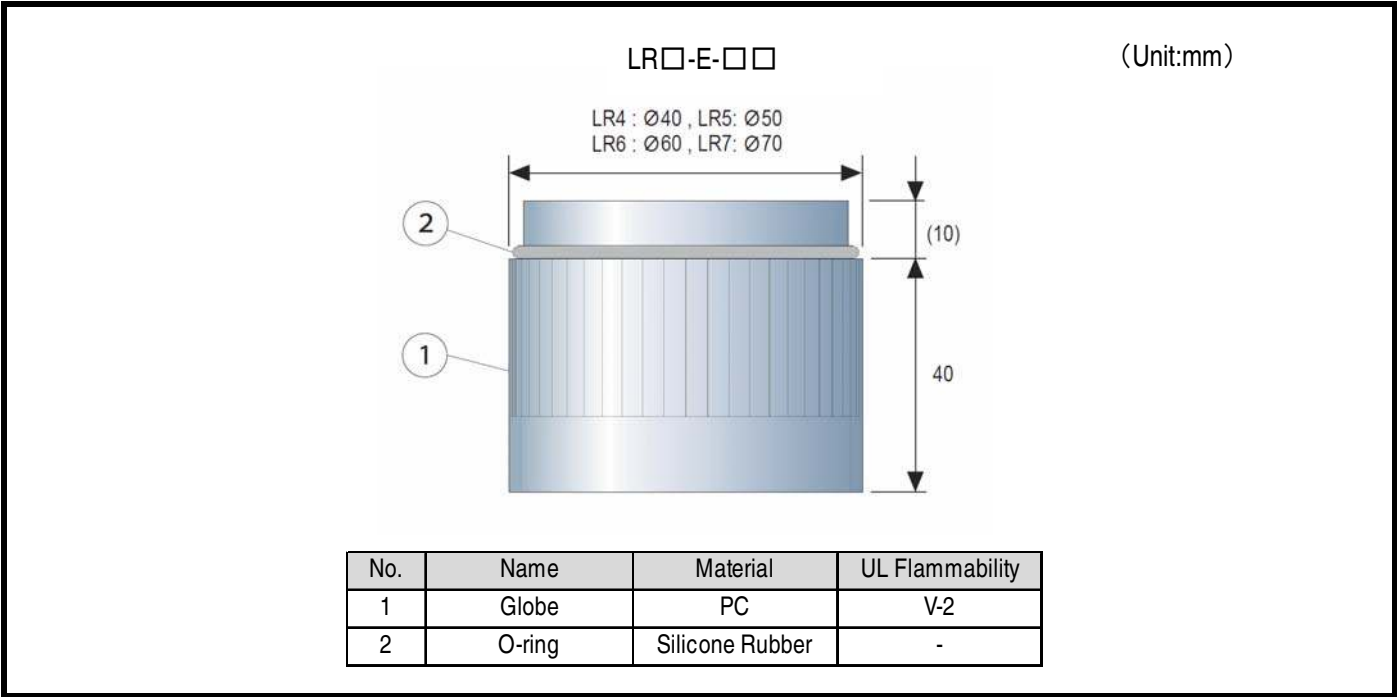
### 2.2 UL Registered Model

|          |                                                                                                                                                                                                                                                                                                                                                                       |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LED Unit | LR4-E-R , LR4-E-Y , LR4-E-G , LR4-E-B , LR4-E-C ,<br>LR4-E-RZ , LR4-E-YZ , LR4-E-GZ , LR4-E-BZ ,<br>LR5-E-R , LR5-E-Y , LR5-E-G , LR5-E-B , LR5-E-C ,<br>LR5-E-RZ , LR5-E-YZ , LR5-E-GZ , LR5-E-BZ ,<br>LR6-E-R , LR6-E-Y , LR6-E-G , LR6-E-B , LR6-E-C , LR6-E-M<br>LR6-E-RZ , LR6-E-YZ , LR6-E-GZ , LR6-E-BZ ,<br>LR7-E-R , LR7-E-Y , LR7-E-G , LR7-E-B , LR7-E-C , |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

LR-E-W18D-1\_5

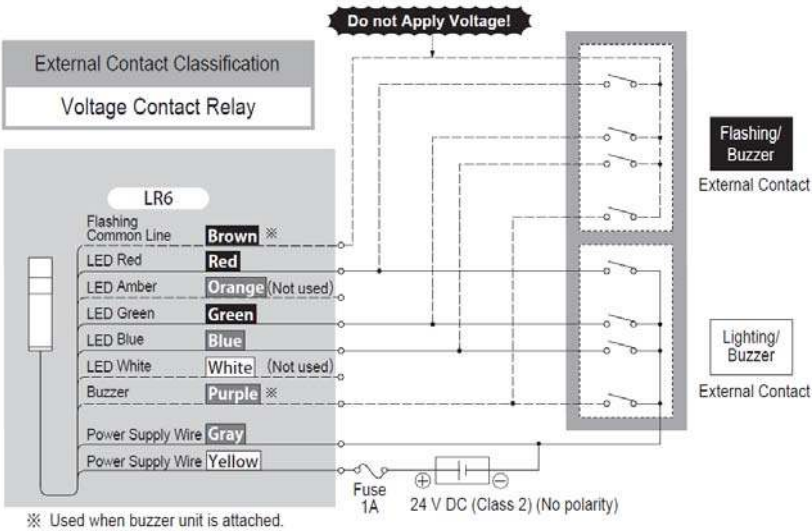
**PATLITE Corporation**

3.Outer Dimensions



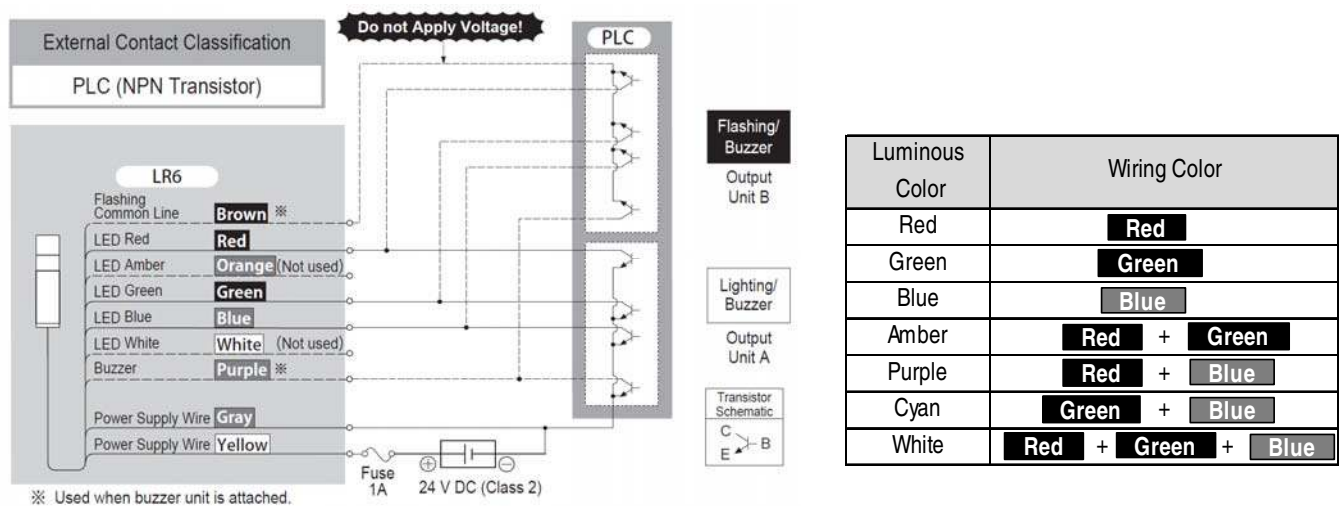
4.Multi Color LED Unit (LR6-E-MZ) Wiring Diagram

4.1.1 【LR6-02】Voltage Contact Relay Wiring Example

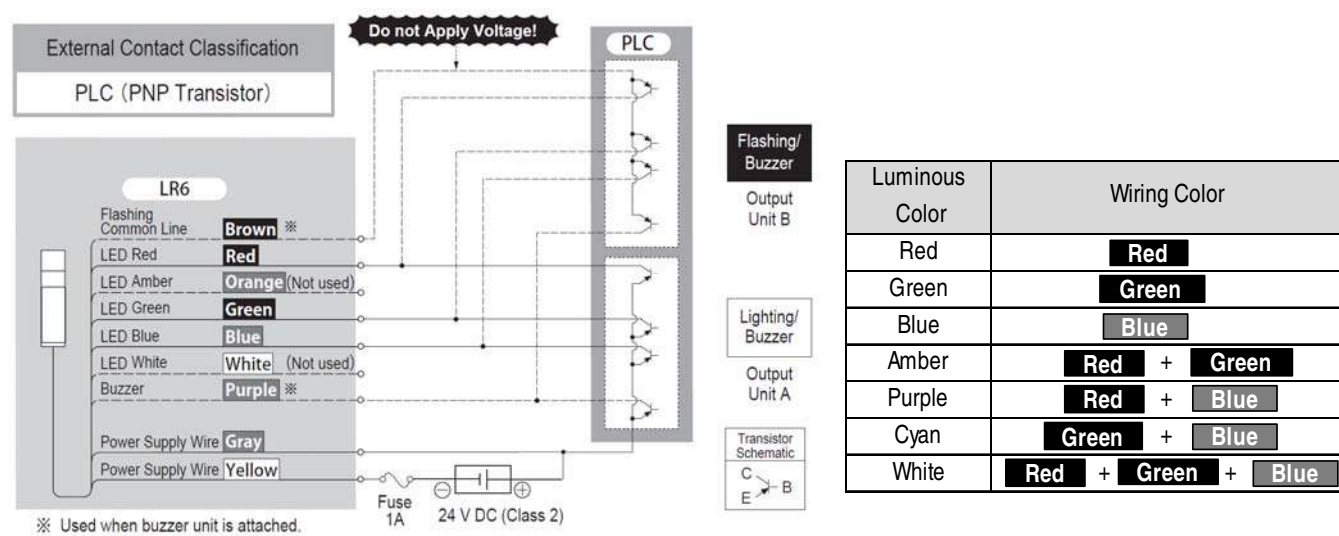


| Luminous Color | Wiring Color       |
|----------------|--------------------|
| Red            | Red                |
| Green          | Green              |
| Blue           | Blue               |
| Amber          | Red + Green        |
| Purple         | Red + Blue         |
| Cyan           | Green + Blue       |
| White          | Red + Green + Blue |

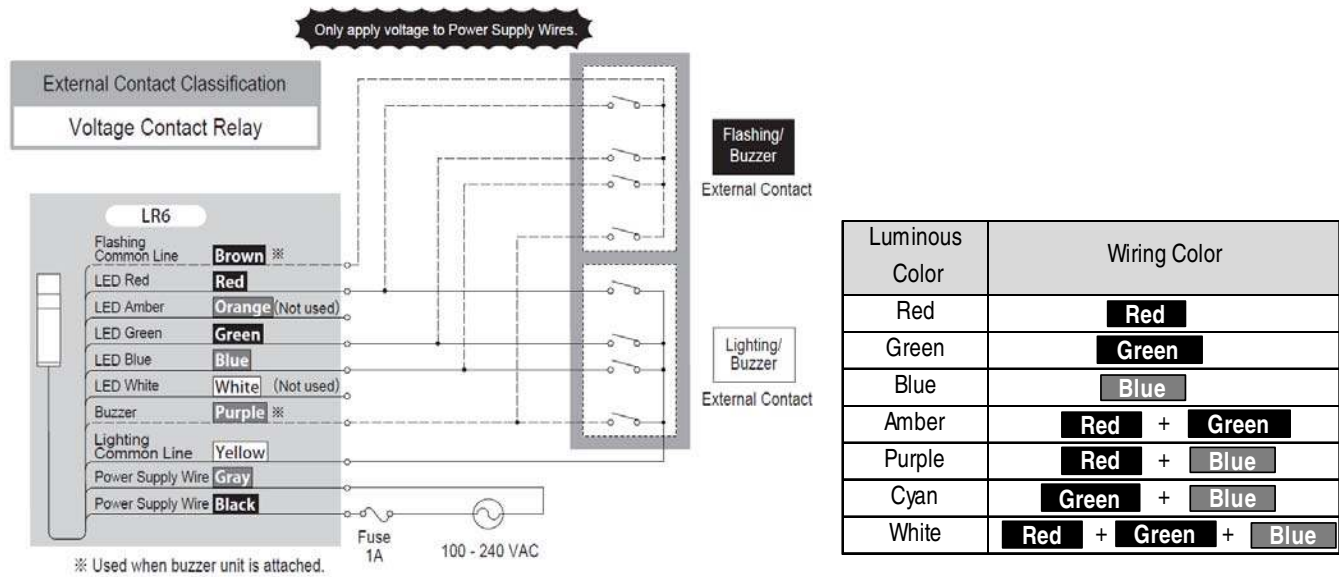
4.1.2 【LR6-02】PLC(NPN Transistor) Wiring Example



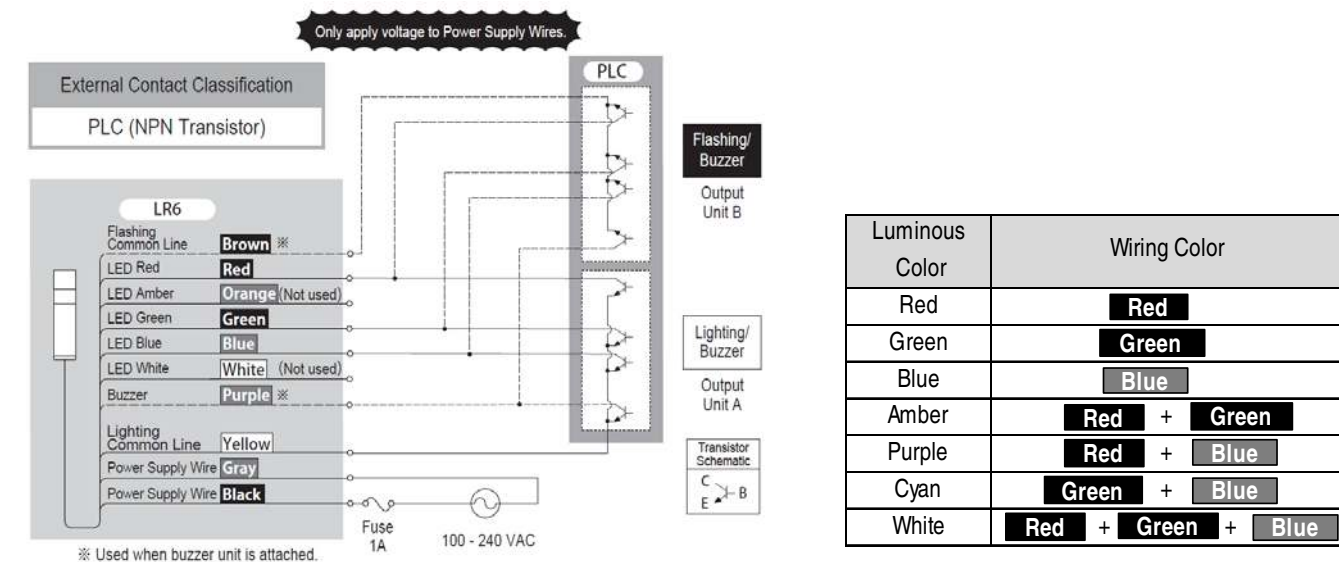
4.1.3 【LR6-02】PLC(PNP Transistor) Wiring Example



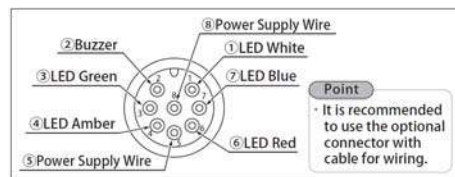
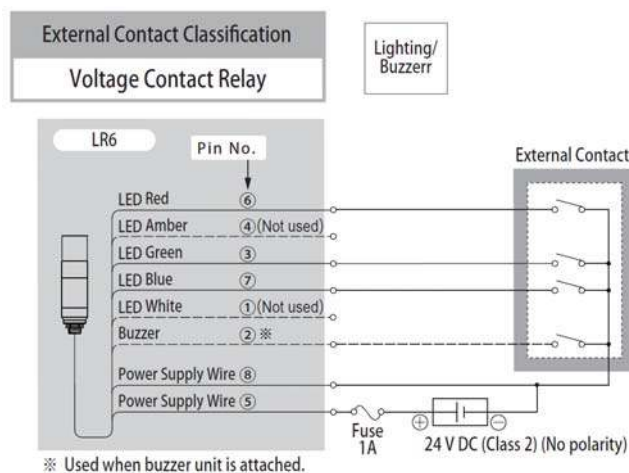
4.2.1 【LR6-M2】Voltage Contact Relay Wiring Example



4.2.2 【LR6-M2】PLC(NPN Transistor) Wiring Example

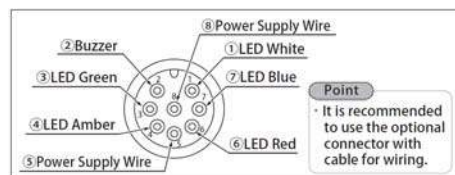
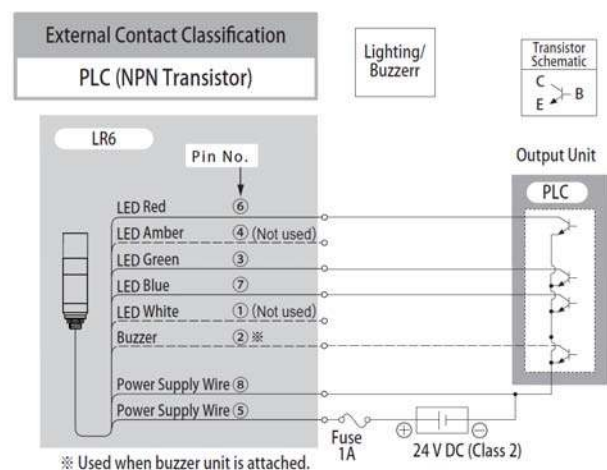


#### 4.3.1 【LR6-02WC】Voltage Contact Relay Wiring Example



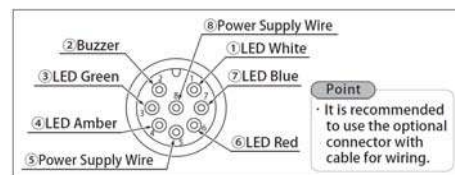
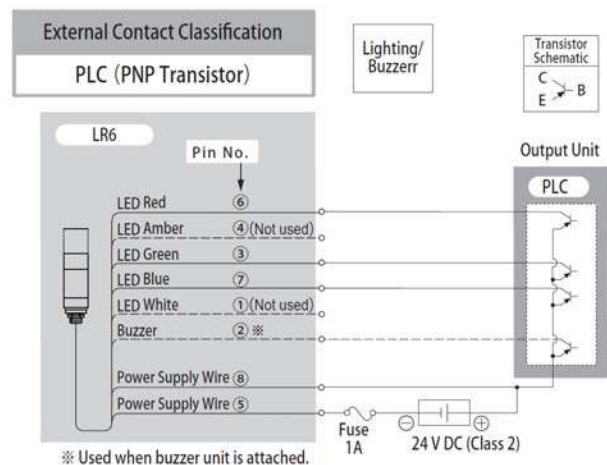
| Luminous Color | M12 Connector Pin No. |
|----------------|-----------------------|
| Red            | ⑥                     |
| Green          | ③                     |
| Blue           | ⑦                     |
| Amber          | ⑥ + ③                 |
| Purple         | ⑥ + ⑦                 |
| Cyan           | ③ + ⑦                 |
| White          | ⑥ + ③ + ⑦             |

#### 4.3.2 【LR6-02WC】PLC(NPN Transistor) Wiring Example



| Luminous Color | M12 Connector Pin No. |
|----------------|-----------------------|
| Red            | ⑥                     |
| Green          | ③                     |
| Blue           | ⑦                     |
| Amber          | ⑥ + ③                 |
| Purple         | ⑥ + ⑦                 |
| Cyan           | ③ + ⑦                 |
| White          | ⑥ + ③ + ⑦             |

#### 4.3.3 【LR6-02WC】PLC(PNP Transistor) Wiring Example



| Luminous Color | M12 Connector Pin No. |
|----------------|-----------------------|
| Red            | ⑥                     |
| Green          | ③                     |
| Blue           | ⑦                     |
| Amber          | ⑥ + ③                 |
| Purple         | ⑥ + ⑦                 |
| Cyan           | ③ + ⑦                 |
| White          | ⑥ + ③ + ⑦             |