

### SMCL80 / SMCL100 / SMCL125

#### OPERATING MANUAL

#### Multiple Colors LED Steady/Flashing Light

Thank you for purchasing QLight product. Please read this manual carefully before installing this product for safe and long use.

#### 1 Product Feature

- Economic product which can transmit 2~3 colors of signal with only one signal light.
- Having long life of light source by taking high-brightness LED and suitable for machines having lots of vibration and impact.
- Excellent in diffusing effect by employing our unique direct-diffusion system.
- Material : Lens-AS, Body-ABS, Reflector-thermostable ABS
- Flashes(Flashing Type) : 60-80/Min.
- Protection Class : IP44

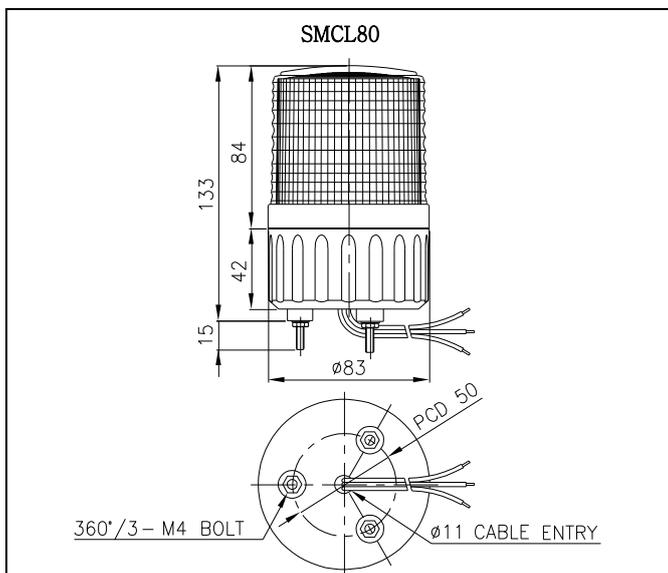
#### 2 Specification & External View Drawing

##### 1) SMCL80

###### General Specification

| Model  | Rated Voltage | Current | Weight | Color (2,3 colors)          |
|--------|---------------|---------|--------|-----------------------------|
| SMCL80 | DC12V         | 0.234A  | 0.18Kg | RED-R<br>GREEN-G            |
|        | DC24V         | 0.132A  | 0.18Kg |                             |
|        | AC110V        | 0.066A  | 0.28Kg | RED-R<br>AMBER-A<br>GREEN-G |
|        | AC220V        | 0.033A  | 0.28Kg |                             |

###### External View Drawing

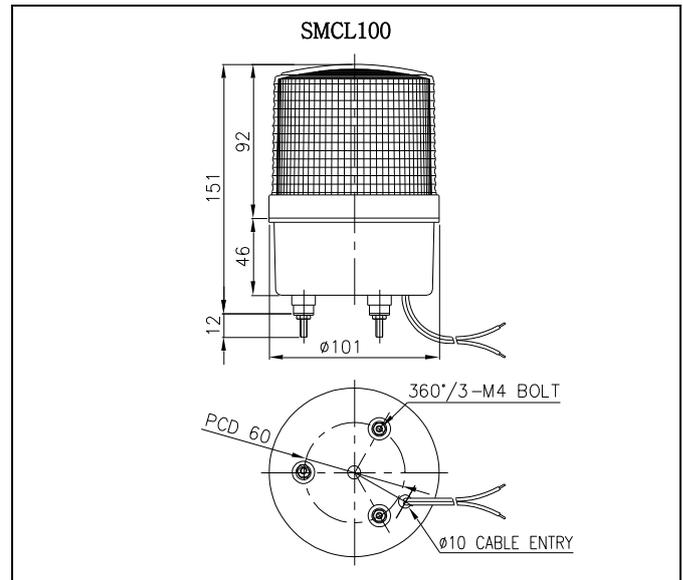


##### 2) SMCL100

###### General Specification

| Model   | Rated Voltage | Current | Weight | Color (2,3 colors)          |
|---------|---------------|---------|--------|-----------------------------|
| SMCL100 | DC12V         | 0.387A  | 0.23Kg | RED-R<br>GREEN-G            |
|         | DC24V         | 0.212A  | 0.23Kg |                             |
|         | AC110V        | 0.093A  | 0.32Kg | RED-R<br>AMBER-A<br>GREEN-G |
|         | AC220V        | 0.046A  | 0.32Kg |                             |

###### External View Drawing

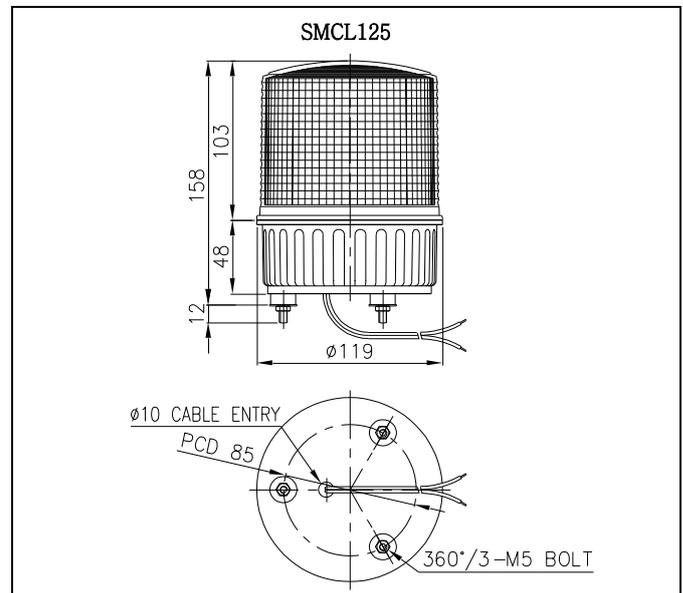


##### 2) SMCL125

###### General Specification

| Model   | Rated Voltage | Current | Weight | Color (2,3 colors)          |
|---------|---------------|---------|--------|-----------------------------|
| SMCL125 | DC12V         | 0.410A  | 0.27Kg | RED-R<br>GREEN-G            |
|         | DC24V         | 0.227A  | 0.27Kg |                             |
|         | AC110V        | 0.104A  | 0.36Kg | RED-R<br>AMBER-A<br>GREEN-G |
|         | AC220V        | 0.052A  | 0.36Kg |                             |

###### External View Drawing



### 3 Wiring Instruction

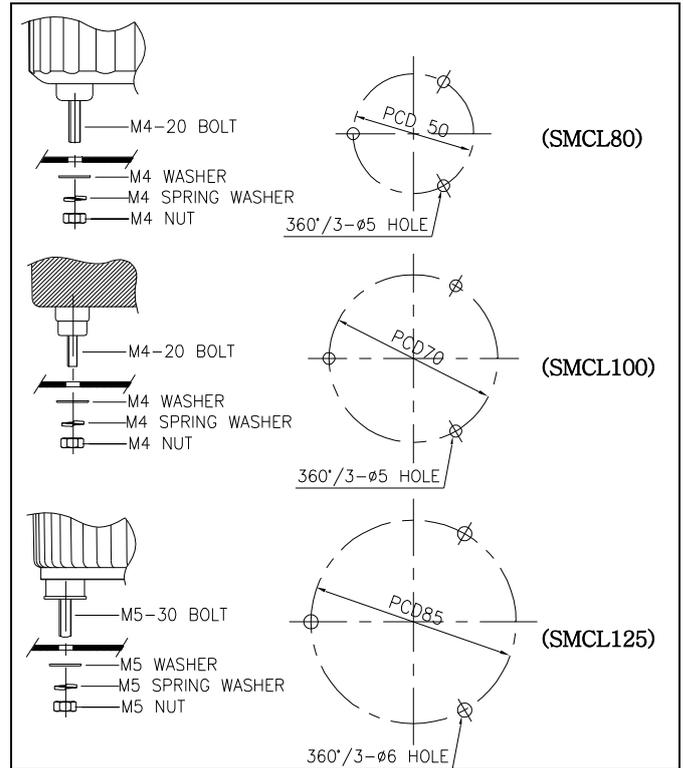
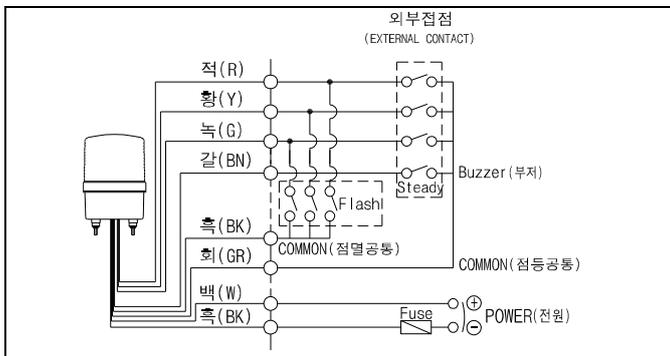
Power lines and signal lines come out from the product. Please connect them correctly after referring to below instruction.

- In case of product using AC voltage, connect the line without Polarity(wire color).
- In case of product using DC voltage, black line is negative(-).

▶ **Power line** : UL1015-NO.18(0.75sq) X2C 400mm

▶ **Signal line**: UL1007-NO.22(0.3sq) 400mm

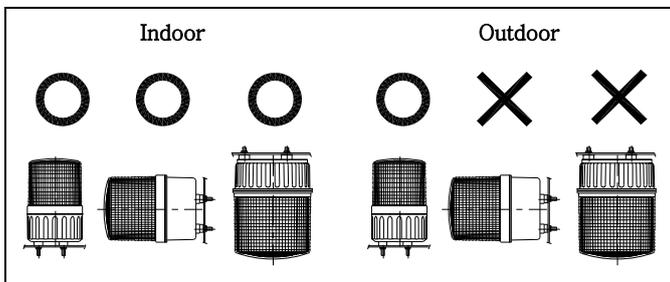
#### ▶ SMCL80/ SMCL100/ SMCL125 Connection Diagram



### 5 Caution

- If using voltage is seriously higher or lower than rated voltage, it can reduce the self-life of the product or can cause a problem on product operating. Make sure the using voltage does not exceed +/-5% of the rated voltage.
- If lens or body of the product is contaminated by chemicals such as thinner, benzene, the product can be damaged, discolored or deformed. Please be careful.
- Do not give strong impact to the product. It can be a reason of wire disconnection or short circuit.
- Do not strongly pull the wire out from the product. It can cause a disorder.

### 4 Mounting



- This product was manufactured with the structure for indoor use. Installing in any direction is okay for indoor use.
- Outdoor use is limited at a place where no water or very little water percolates. Mounting also should be done only on the vertical standing direction.
- Mount at the place where exists low vibration, low impact, low moisture and low dust as long as possible.
- Please make a hole by a drill where you need to attach our product and refer to below picture for a hole size.
- **SMCL80/ SMCL100** : Fix the product by using nuts(M4-3EA) originally equipped on mounting bolt on bottom of the product.
- **SMCL125** : Fix the product by using nuts(M5-3EA) originally equipped on mounting bolt on bottom of the product.

6 Trouble shooting

| Situation                     | Main reason                                                         | Solution                  |
|-------------------------------|---------------------------------------------------------------------|---------------------------|
| Non- Lighting Partly          | LED is partly damaged, supplying higher voltage then rated voltage. | Making Sure Using Voltage |
| Feeble Lighting               | Supplying Voltage Lower Than Rated Voltage                          | Making Sure Using Voltage |
| Lighting but Non-Flashing     | Wrong Wiring                                                        | Making Sure Wiring        |
| Neither Lighting nor Flashing | Wrong Wiring                                                        | Making Sure Wiring        |

■ Inquiry for Product and C/S

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