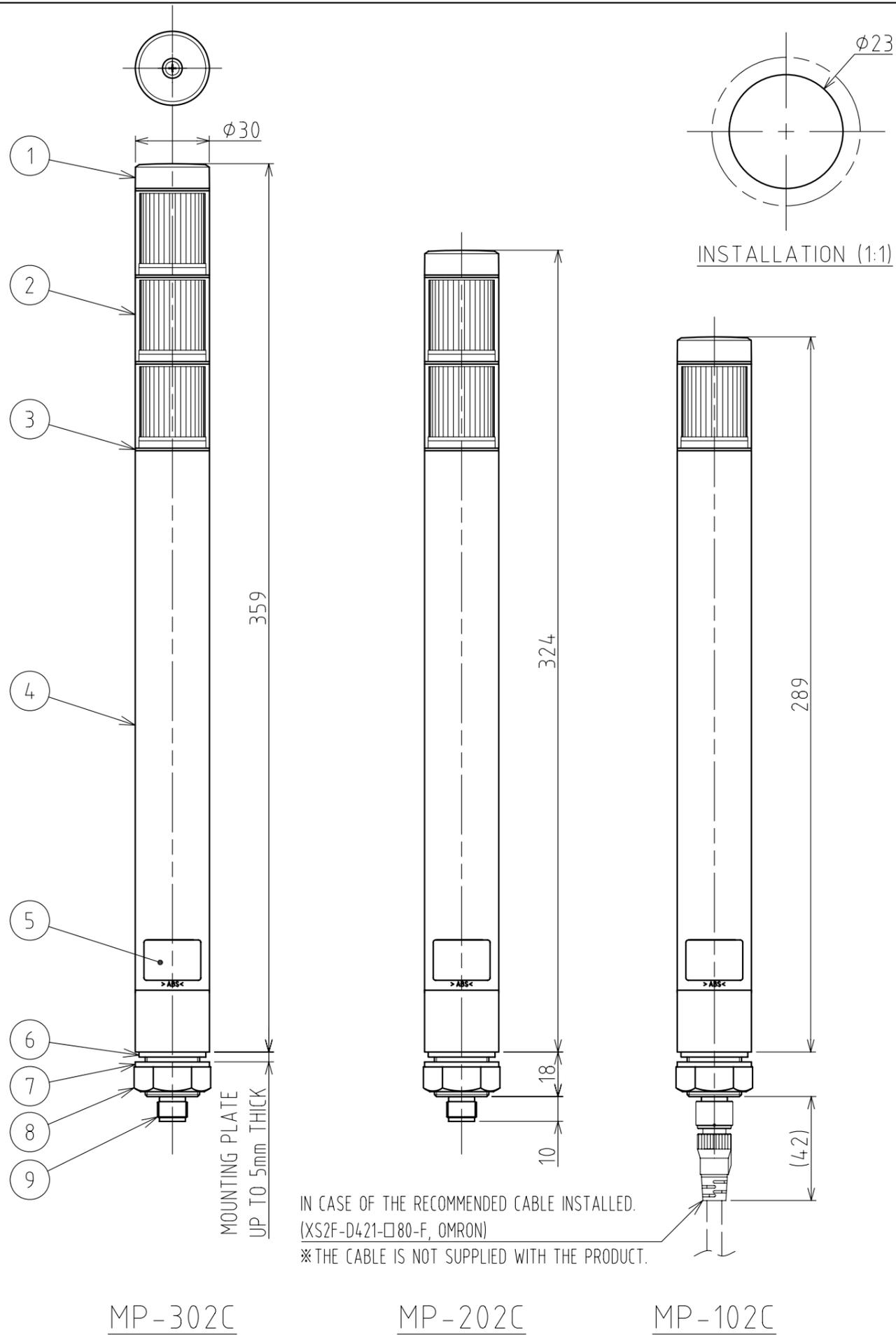


SPECIFICATIONS

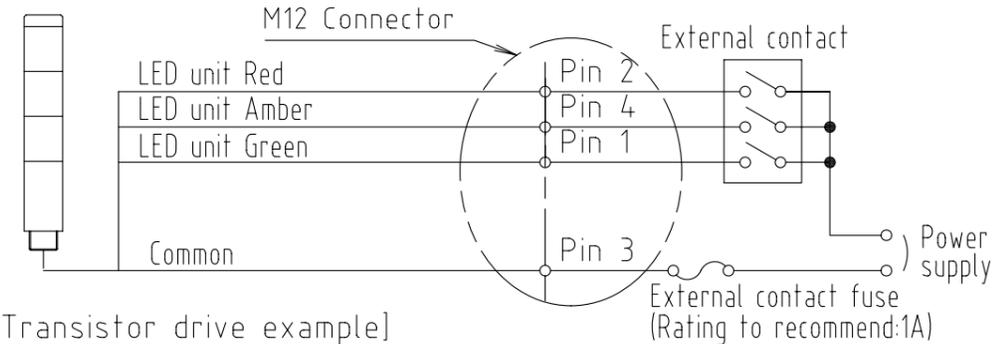
[General Specifications]

| | | |
|-----------------------------|---------|---|
| Model | 3 tiers | MP-302C |
| | 2 tiers | MP-202C |
| | 1 tier | MP-102C |
| UL registration model | | MP-.02C |
| Rated Voltage | | 24V DC (Non-polar) |
| Operating Voltage | | Rated Voltage \pm 10% |
| Signal Wire Current | Typ. | Per Unit Red: 28.6mA Amber: 28.6mA Green: 17.1mA |
| | Max. | Per Unit Red: 32.2mA Amber: 32.2mA Green: 21.4mA |
| Operating Temperature Range | | -20°C to +60°C |
| Relative Humidity | | Less than 90% (No condensation) |
| Mounting Location | | Indoors |
| Mounting Direction | | Upright |
| Protection Rating | | IP65 (Self-Declaration based on IEC 60529) |
| Vibration Resistance | | JIS C 60068-2-6 Total amplitude 0.3mm p-p (10 to 57.5Hz), Acceleration 19.6 m/s ² (57.5 to 150Hz) |
| Insulation Resistance | | More than 1M Ω at 500VDC between current-carrying parts and non-current-carrying metal parts |
| Withstand Voltage | | 500VAC applied for 1min between current-carrying parts and non-current-carrying metal |
| Luminous Intensity | | Red: 500mcd Amber: 650mcd Green: 1600mcd |
| Mass (Tolerance \pm 10%) | | MP-102C: 0.24kg MP-202C: 0.26kg MP-302C: 0.28kg |
| Conformity Standards | | RoHS Directive(DIRECTIVE 2002/95/EC) UL Recognized Component (File No.E215660) CE marking (EN61000-6-4 and EN61000-6-2) |
| Remarks | | Conditions of UL acceptability: -For use on a flat surface of a Type 1 Enclosure -Use Class 2 power supply. Recommended cable: -XS2F-D421-□80-F (OMRON) |
| No. MP-.02C-PDFC--EN-1_2 | | |

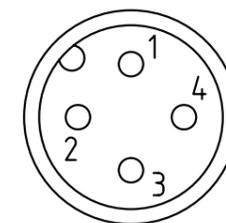
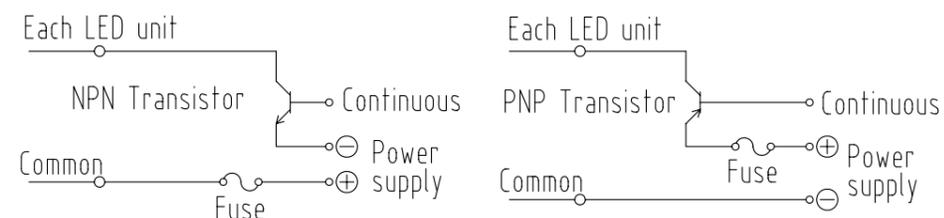
PATLITE Corporation



[Wiring example]



[Transistor drive example]



| PIN NO. | COLOR OF LED UNIT |
|---------|-------------------|
| 1 | GREEN |
| 2 | RED |
| 3 | (COM) |
| 4 | AMBER |

M12 CONNECTOR
PIN CONFIGURATION

| | | | | | |
|-----------|------------------|-------------------|------------|---|-------------------|
| 9 | M12 CONNECTOR | - | 1 | XS2M-D421 | OMRON |
| 8 | HEXAGON NUT | - | 1 | SUM, M22 P1.5 MFZn(Trivalent chromate) | |
| 7 | FLAT WASHER | - | 1 | SPCC, 22 t=2 MFZn(Trivalent chromate) | |
| 6 | WATERPROOF SHEET | - | 2 | CR sponge | Black |
| 5 | NAMEPLATE | - | 1 | Polyester film | |
| 4 | MAIN BODY | - | 1 | ABS resin | Silver paint |
| 3 | O-RING | - | Stacks+1 | Silicone rubber | Gray |
| 2 | LED UNIT | - | Stacks | Lens part: SAN resin | Red, Amber, Green |
| 1 | HEAD COVER | - | 1 | ABS resin | Silver paint |
| 番号 No. | 部品名 Part Name | 品目コード Part No. | 数量 Qty. | 材料 & 寸法 & 処理 Material & Size & Finish | 記事 Remarks |

MP-□02C Dimensions
株式会社 パトライト
PATLITE Corporation
MP-.02C-PDFC-EN-2_2