

Waterproof LED Light Bars for Multi-use with Protection of IP67/IP69K

QCML-7C

Waterproof LED light bar with 7 color configurations

PRODUCT SPECIFICATION

QCML-7C

Materials Lens-PC, Side cover-PC, Heatsink-Al, Bracket-PC

Ambient operating temperature -20°C to +50°C

Protection rating IP67/IP69K

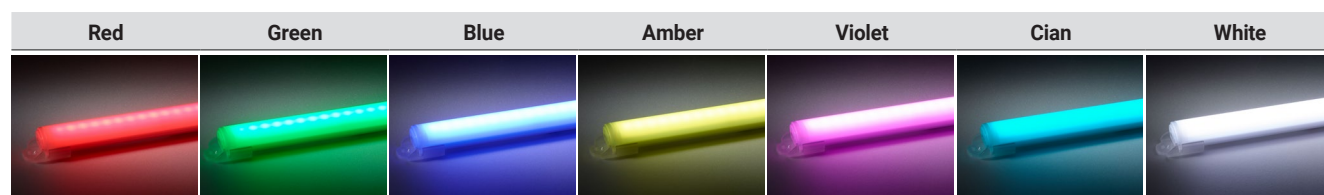
Certificates CE, UL



- Save installation cost and space by utilizing this single LED light bar with 7 configurable colors
- Side cover and lens are integrated together with a multi silicon rubber sealing structure for superior protection from water
- Aesthetically pleasing with slim and compact housing
- Polycarbonate material provides superior heat and shock resistance
- Features great seal and durability in food processing, pharmaceutical, and beverage processing machine that needs high temperature wash down
- Detachable mounting bracket structure enables to adjust mounting hole space freely
- Protection rating: IP67, IP69K
- Standard entry cable included. Can customize the product with the M12 connector if requested(Female M12 connector is not provided)



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QCML-7C Waterproof LED Light Bars for Multi-use



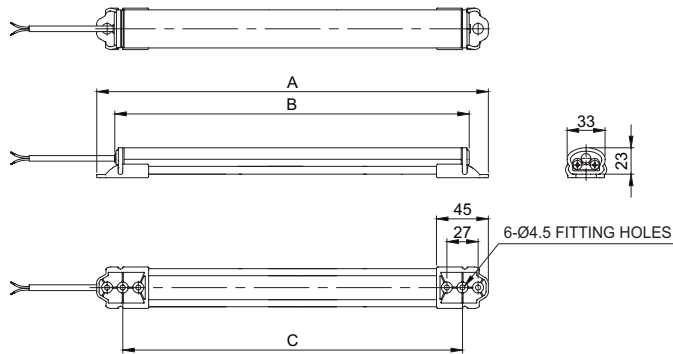
| Optics Specifications | | | | | | | | |
|-----------------------------------|-------------|-------------|---|-------------|-------------|-------------|--------------|--------------|
| Model number | QCML-200-7C | QCML-300-7C | QCML-400-7C | QCML-500-7C | QCML-600-7C | QCML-900-7C | QCML-1200-7C | QCML-1500-7C |
| Directions | | | | Translucent | | | | |
| Light color/ Color temperature | Red | 618-635 nm | | | | | | |
| | Green | 510-530 nm | | | | | | |
| | Blue | 453-465 nm | | | | | | |
| | Amber | 563-573 nm | | | | | | |
| | Violet | 478-488 nm | | | | | | |
| | Cian | 375-385 nm | | | | | | |
| | White | 470-480 nm | | | | | | |
| Specifications | | | | | | | | |
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| Voltage | | | | DC24V | | | | |
| Range for operation voltage | | | | DC21V-30V | | | | |
| Power consumption | 4.7W | 5.6W | 9.4W | 10.3W | 11.4W | 17W | 22.2W | 28W |
| Insulation resistance | | | Min. 100MΩ(500V DC mega ohm meter) | | | | | |
| Withstanding voltage | | | DC: 500VAC, 60Hz, 1 minute | | | | | |
| Operating temperature | | | -20°C to +50°C | | | | | |
| Protection rating | | | IP67/IP69K | | | | | |
| Materials | | | Lens-PC, Side cover-PC, Heatsink-Al, Bracket-PC | | | | | |
| Certification | | |   | | | | | |
| Weight(Approx.) | 0.16kg | 0.20kg | 0.26kg | 0.33kg | 0.40kg | 0.56kg | 0.76kg | 0.94kg |

※ CE compliant: DC24V, UL Listed: DC24V



Technical Diagram

Units: mm

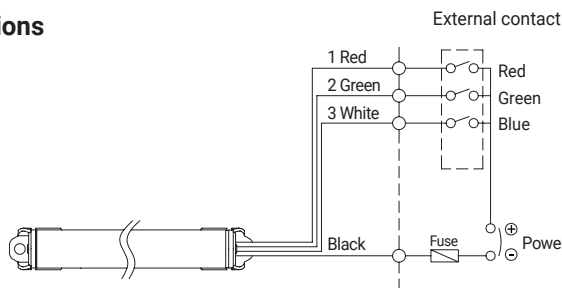


| MODEL | A | B | C | D |
|--------------|------|------|---------|---|
| QCML-200-7C | 262 | 228 | 45~217 | 2 |
| QCML-300-7C | 362 | 328 | 45~317 | 2 |
| QCML-400-7C | 462 | 428 | 45~417 | 2 |
| QCML-500-7C | 562 | 528 | 45~517 | 2 |
| QCML-600-7C | 662 | 628 | 45~617 | 2 |
| QCML-900-7C | 962 | 928 | 45~917 | 3 |
| QCML-1200-7C | 1262 | 1228 | 45~1217 | 4 |
| QCML-1500-7C | 1562 | 1528 | 45~1517 | 4 |

D: Recommended quantity of mounting brackets

· External power line UL2464-AWG22(0.3sqx4C) 450mm

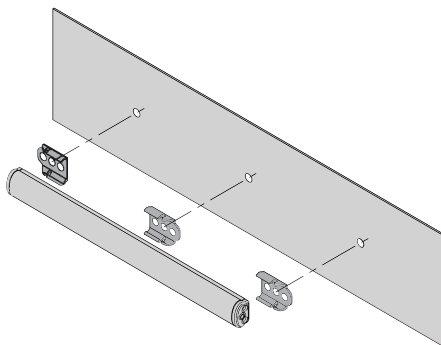
Wiring Instructions



Wiring Configuration for Signal Color

| No. | Wiring | Action color |
|-----|--------------------------|--------------|
| 1 | 1(RED) | RED |
| 2 | 2(GREEN) | GREEN |
| 3 | 3(WHITE) | BLUE |
| 4 | 1(RED)+2(GREEN) | AMBER |
| 5 | 1(RED)+3(WHITE) | PURPLE |
| 6 | 2(GREEN)+3(WHITE) | CYAN |
| 7 | 1(RED)+2(GREEN)+3(WHITE) | WHITE |

Mounting Structure



- Adopts removable mounting bracket and sliding structure, adjustable mounting distance.
- mounting bracket is arranged on edge or middle of body, in case of edge of body, mounting bracket space is kept.

Example for mounting outside

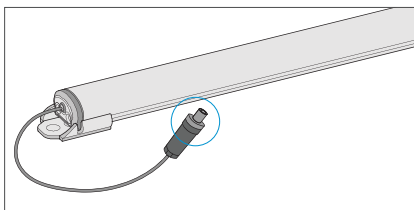


Example for mounting inside

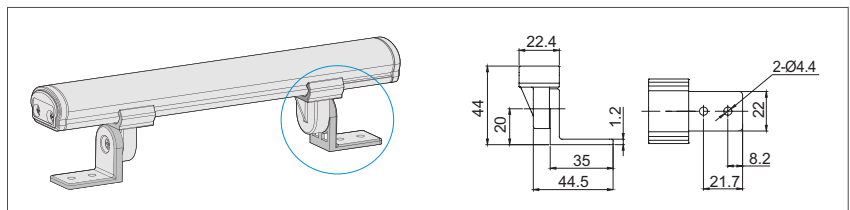


Customization

- Cable end M12 connector attached type: Customized Cable end M12 connector attached type available



- Foldable Bracket: Adjustable from 0° to 180° degrees



Ordering Specification

| | | | | | | |
|----------------|---|--|---|----------------------|---|-----------|
| QCML | - | 300 | - | 7C | - | 24 |
| [Model number] | | [Product length] | | [Light color] | | [Voltage] |
| QCML | | 200-228mm 300-328mm 400-428mm 500-528mm 600-628mm 900-928mm 1,200-1,228mm 1,500-1,528mm | | 7C- 7 Color standard | | 24-DC24V |