QCB03/BLE

Key Features >>>

- Dimmable control applications (DALI-2 or 0/1-10V)
- Intelligent control with Bluetooth 5.0 SIG mesh module built in
- 5 types of built-in Bluetooth 5.0 control module to select from
- Detailed Bluetooth system features can be viewed on page 03-09
- Luminaire outlet: Wieland 6-pole terminal base (L', N, E, Em, Dim+, Dim-)
- Black housing and white housing available to choose from
- Tamper-proof structure design
- Expandable: easy extension to another QCB03/BLE wirelessly
- Rating of system - - -

  QCB03/BLE-D2: Max. 100mA DALI/DALI-2 power supply

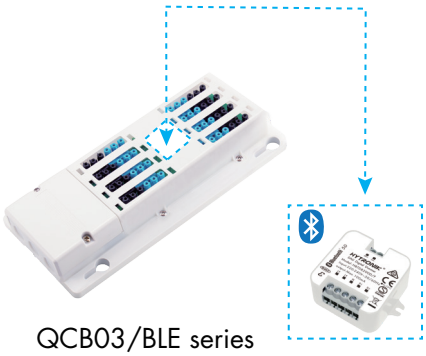
  QCB03/BLE-DCA & QCB03/BLE-DTY: Max. 100mA DALI/DALI-2 power supply

  QCB03/BLE-V & QCB03/BLE-VCA: Default rating is 400VA capacitive & 800W resistive. Max 10A can be supplied as a special version upon request
- Flame-retardant material for safety protection

*QCB03/BLE series product is supplied with white color housing by default. Black color housing can be supplied upon request.

Your Benefits >>>

- Five types of installation methods meets different project needs
- Reduce labour hours and labour cost significantly
- Simple and intuitive wiring connections
- Improved safety level during wiring operations
- Clear and clean wiring makes it easy for future maintenance
- Can be supplied with pre-wired cables

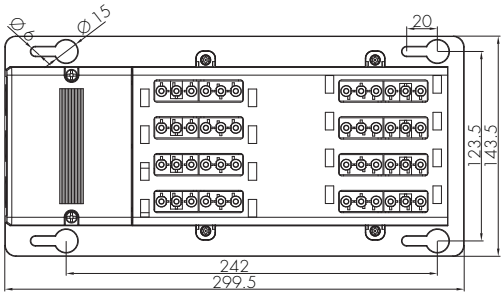


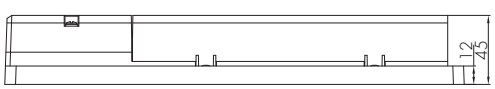
QCB03/BLE series

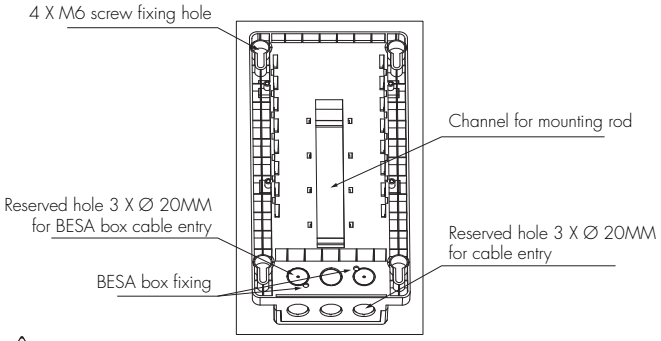
Five built-in module options

QCB03/BLE-D2:		DALI / DALI-2 output (Module code:HBTD8200D/F) DT8: Dimmable & Color Tunable
QCB03/BLE-V:		0/1-10V output (Module code:HBTD8200V/F) Dimmable control with corridor function
QCB03/BLE-DCA:		DALI / DALI-2 output (Module code:HBTD8200D/F/CA) DT8: Dimmable & Color Tunable, Casambi Enabled
QCB03/BLE-VCA:		0/1-10V output (Module code:HBTD8200V/F/CA) Dimmable control with corridor function, Casambi Enabled
QCB03/BLE-DTY:		DALI / DALI-2 output (Module code:HBTD8200D/F/CA) DT8: Dimmable & Color Tunable, Tuya Enabled

Mechanical Structure & Dimensions >>>





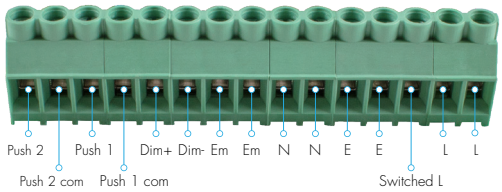


⚠ Warning:

- Installation of this device involves connecting it to the mains supply. This work must be carried out by a specialist in accordance with electrcial technical regulations.
- Disconnect supply before installing.

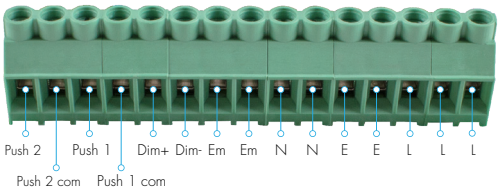
Input & Output Terminal Function

QCB03/BLE-V & QCB03/BLE-VCA



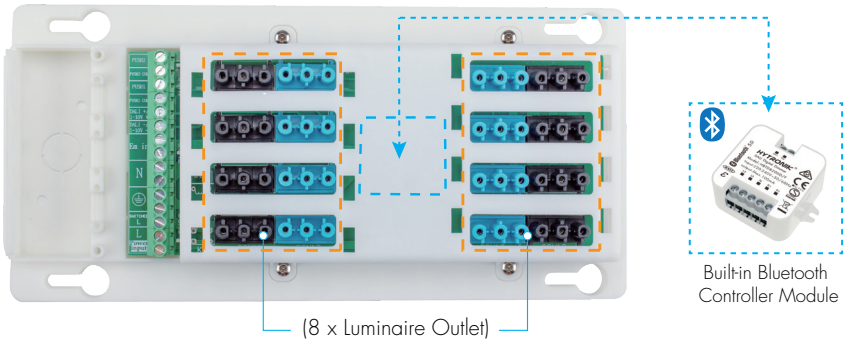
Luminaire outlet

QCB03/BLE-D2 & QCB03/BLE-DCA & QCB03/BLE-DTY



Luminaire outlet

Wire Range:
0.75 - 4.0mm²
(max. 2 x 2.5mm²)



In the middle of the QCB03/BLE there is a pre-installed Bluetooth 5.0 SIG mesh controller module. We offer 5 types of different controller modules for users to choose from. For each controller module, all the 8 luminaire outlets as regarded as one channel (1 x 8).

Default max rating for **QCB03/BLE-D2 & QCB03/BLE-DCA & QCB03/BLE-DTY** is 100mA;

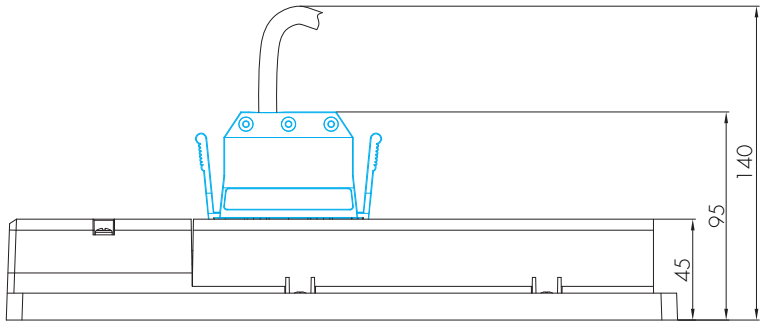
Default max rating for **QCB03/BLE-V & QCB03/BLE-VCA** is 400VA Capacitive & 800W Resistive. Max 10A can be supplied as a special version upon request.

Technical Specifications

Mains voltage	220~240VAC 50/60Hz
Rated load	Rating of system 10A. Rating of each output 10A
Terminal capacity	0.75 - 4.0mm² (max. 2 x 2.5mm²)
Storage temperature	-20°C ~ +60°C
Max. relative humidity	20 ~ 90%
Compliance	CE, UKCA
Insulation	Class II

Note: When HBTD8200V-F built-in , 0-10V and 1-10V can be selected for different drivers: 1-10V dimming interface output: OFF is relay OFF, 1-10V dimming. 0-10V dimming interface output: OFF is 0V, 1-10V dimming.

Minimum Installation Height

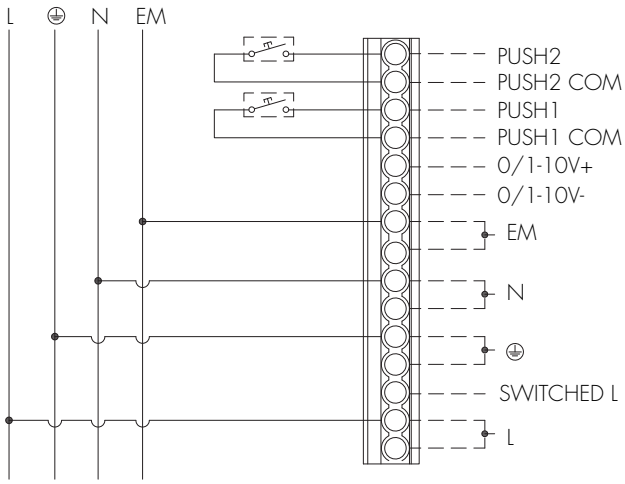


Luminaire plug (HP03)

Note: The minimum height for total height of unit is 140mm (including connectors and cables).

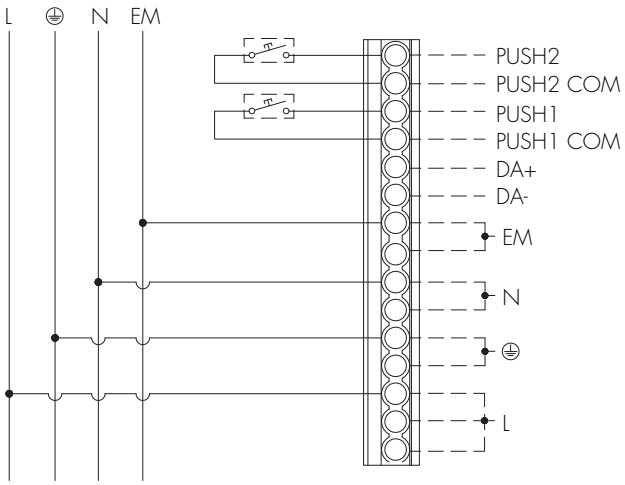
Wiring Diagram

QCB03/BLE-V & QCB03/BLE-VCA



Note: Do not wire across phases.

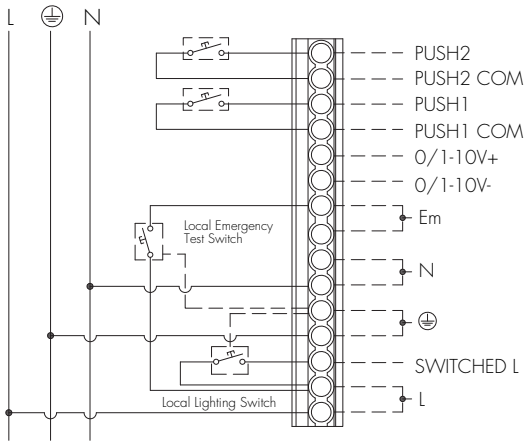
QCB03/BLE-D2 & QCB03/BLE-DCA & QCB03/BLE-DTY



Note: Do not wire across phases.

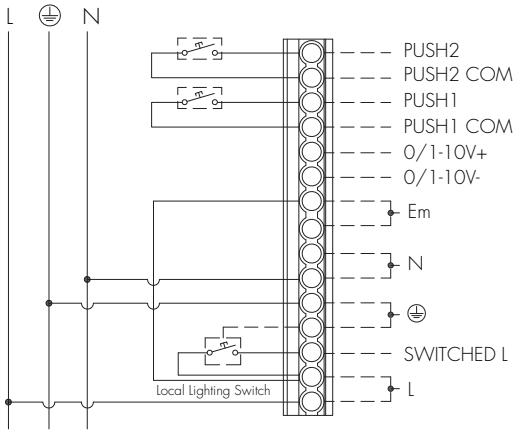
Wiring & Emergency Test

Local lighting switch and local emergency test switch for QCB03/BLE-V & QCB03/BLE-VCA



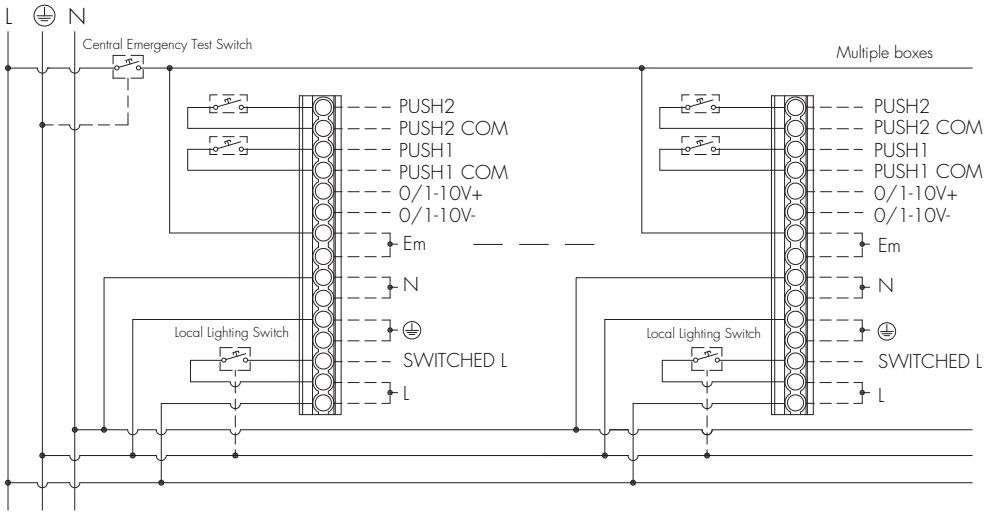
Note: Do not wire across phases.

Emergency test using power interruption for QCB03/BLE-V & QCB03/BLE-VCA



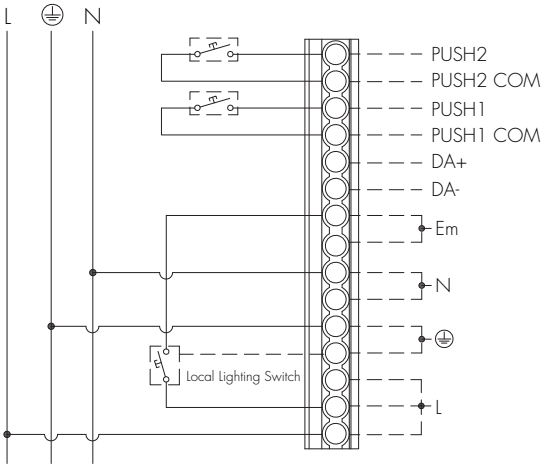
Note: 1. A local lighting switch may still be used when there is a central emergency test switch or when a circuit breaker is used to interrupt the power.
2. Do not wire across phases.

Emergency test using central switch for QCB03/BLE-V & QCB03/BLE-VCA



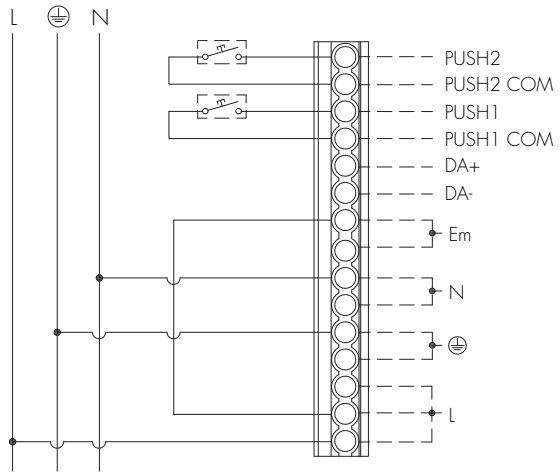
Note: 1. A local lighting switch may still be used when there is a central emergency test switch.
2. Do not wire across phases.

Local lighting switch and local emergency test switch for QCB03/BLE-D2 & QCB03/BLE-DCA & QCB03/BLE-DTY



Note: Do not wire across phases.

Emergency test using power interruption for QCB03/BLE-D2 & QCB03/BLE-DCA & QCB03/BLE-DTY



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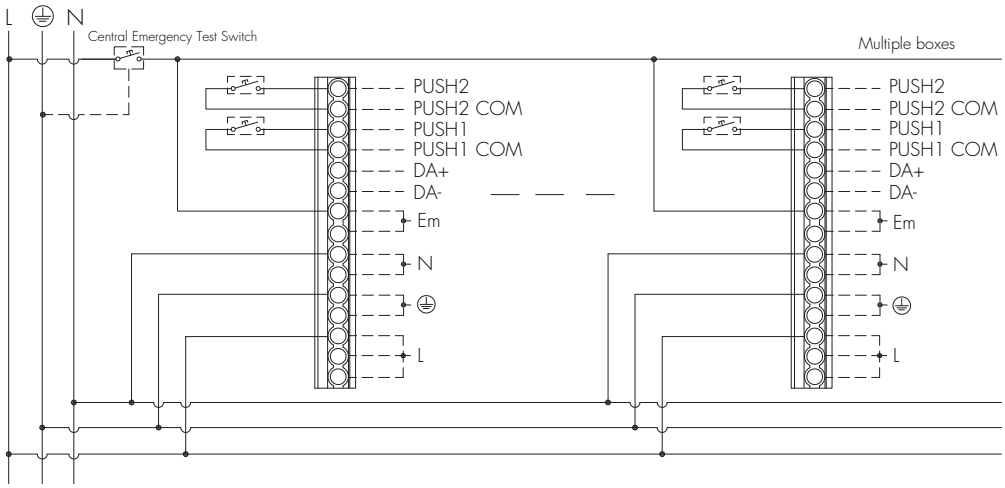
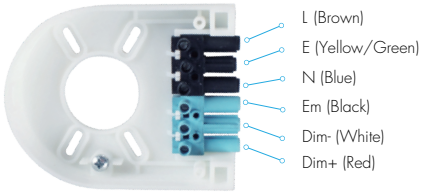
Emergency test using central switch for QCB03/BLE-D2 & QCB03/BLE-DCA & QCB03/BLE-DTY



Note: 1. A local lighting switch may still be used when there is a central emergency test switch.
2. Do not wire across phases.

Ceiling Rose/ Conduit Box Bonnection

Ceiling rose QCCR02 can be used when there is a need to take power and dimming signal from a conduit box. The installation-friendly design comes with a very spacious termination space for really easy wirings.



Connection to Hytronik's QCBs