

The Excellum is a control device that collects, processes and distributes lighting control information to all components connected to the Excellum GreenBus™ or DALI line.



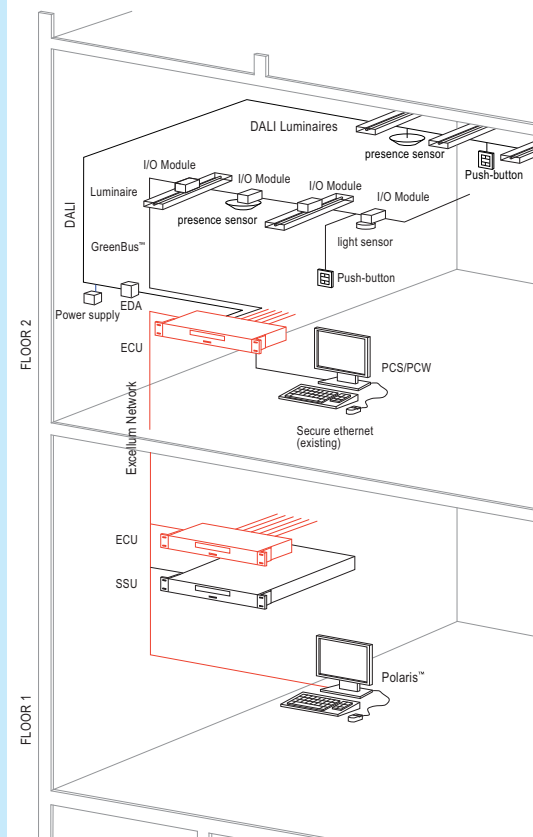
Each ECU can contain up to 6 GreenBus™ communication lines and 1 RS232 line for DALI interfaces. Both for GreenBus™ and DALI, several tens of nodes can be controlled per line (up to typically 450 nodes per ECU, representing approximately 2500 m² of controlled space).

The ECU collects all signals and determines the appropriate brightness levels or on/off status for each luminaire or zone.

Each ECU has an Ethernet connection for communication with one or more Local Area Networks (LAN) in a building, to enable desktop personal control.

ECU's are typically located in the electrical room on each floor or zone of a building and are interconnected using standard Ethernet connections.

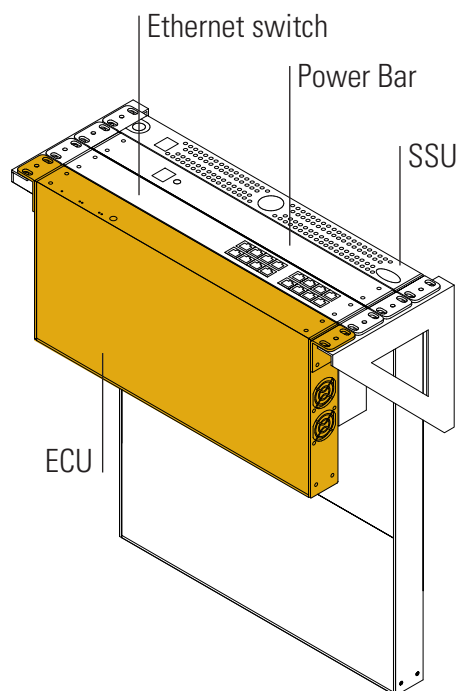
Component of this data sheet is indicated in red.



Excellum

Each component is easily integrated into the Excellum control system

Each luminaire, sensor and lighting controller is daisy-chained back to the ECU using prefabricated 'click & go'-GreenBus™ communication cabling or via DALI. ECU's typically control individual floors and are linked via an Ethernet network. A LAN connection allows Windows floor plan based control software to be operated anywhere on the network.



Technical specifications

Power supply 230V/50Hz/125W

Typical consumption: 90W

IP20

Output

6 Greenbus™ lines (RJ45 ports)

24V DC

Class II

typically 75 addresses/line

1 RS232 for controlling DALI lines

max. 64 addresses/line

Network connections Ethernet 10/100BaseTx cat.5 RJ45 port

Configuration stored in non-volatile flash memory

Max. ambient temperature 40°C

Mounting On standard 19" rack (1U width)

Order code

ECU (Energy Control Unit)

C2C00

Incl. software licence Polaris™, SSUS and PCS/PCW

Dimensions (w x h x d)

485 (19") / 43 mm / 230 mm



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