



GRIDLUX -TRIDONIC DRIVER TECHNOLOGY

TRIDONIC



Tridonic driver for Gridlux

Available as:

Non-Dimmable - (3 pin)

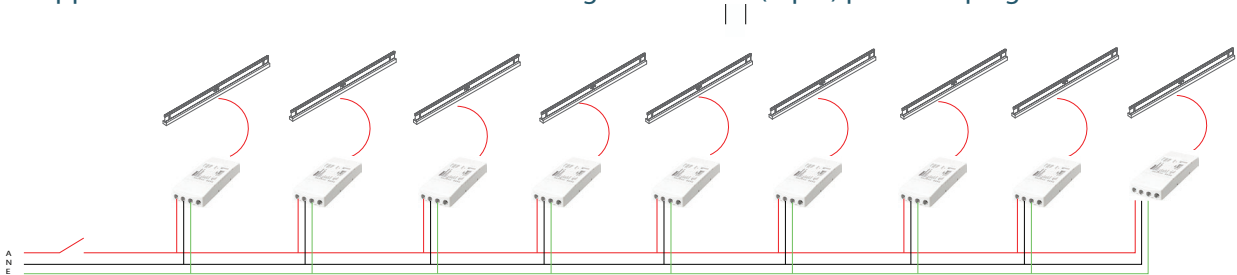
Dimmable - (5 pin)

The Tridonic Driver is the future of LED Drivers. It is a highly advanced system with outstanding dimming function.

- Constant-current LED Driver with application-oriented operating windows
- One4all interface supports DALI, DSI, switchDIM and corridor FUNCTION
- High efficiency of up to 93 %
- Unmatched standby losses of < 0.15 W

Non-Dimmable - 3 pin

For standard non-dimmable application use standard 3 pin wiring. Each individual 1200mm light, or pair of 600mm lights, is supplied with a Tridonic driver and a 2.5m long 3 core flex & (3-pin) pre fitted plug.



Dimmable - 5 pin

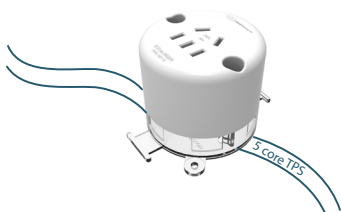
For any setup that isn't a simple on/off function (such as dimmable, DALI and any other lighting protocol) use the specifications below:

Each individual 1200mm light, or pair of 600mm lights, is supplied with a Tridonic (switchDIM one4all) driver and a 2.5m long 5 core flex & (5-pin) pre fitted plug.

The electrical installation will include 5 core wiring and 5-pin plug base (CMS QF75).

The wiring between each plug base will be 5 core wiring.

The digital one4all interface of the Dimmable Tridonic driver ensures proper operation and integration in various lighting control systems. In addition, all the parameters of the Tridonic driver can be configured for maximum effect. The current can be adjusted in 1 mA increments for individual matching to the required luminous fluxes.



Core flex & (5-pin) pre fitted plug socket to be supplied by electrical engineer/contrator. CMS 5 Pole plug base QF75.

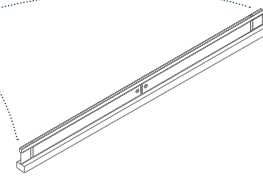
5 core TPS installed from Distribution Board and loops in a daisy chain between all 5 pin sockets.



Core flex & (5-pin) pre fitted plug
- Supplied



Tridonic Driver (Dimmable)



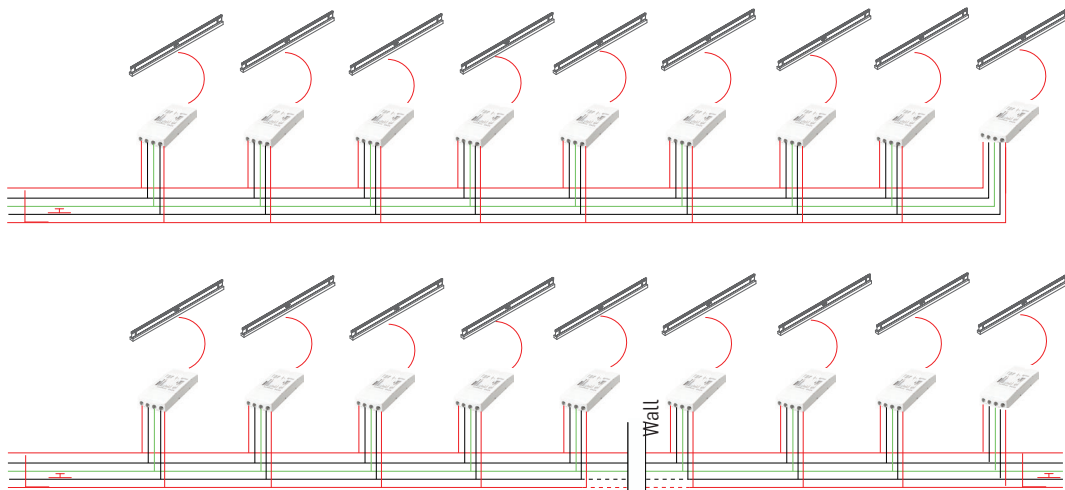


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Dimming via the Mains - switchDIM

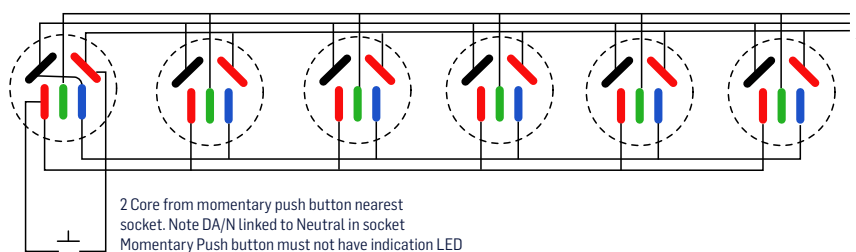
With the SwitchDIM protocol it is possible to use the mains voltage as a control signal. • SwitchDIM makes it possible to dim the driver via a standard dimmer switch. This is a very simple form of lighting management.

- The wiring between each plug base will be 5 core wiring.
- The first light in the system is connected to the dim switch on the wall by 2 core wiring.



NOTE: This drawing is showing the view from the back side of the 5 PIN sockets

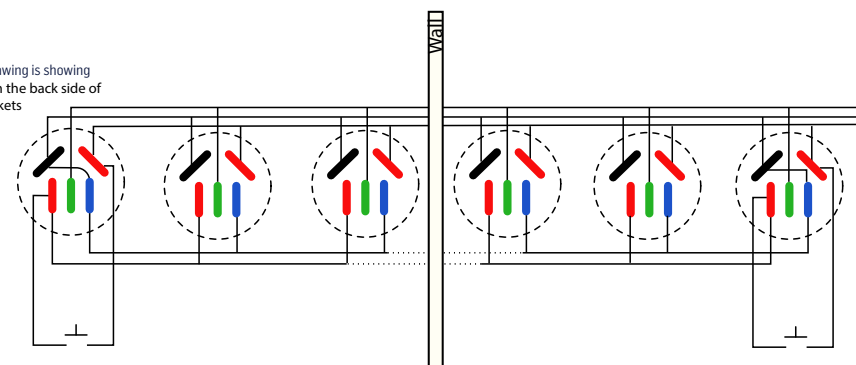
2 core control disconnected across partition (3 core only). Can be retrofitted if partition is removed in the future.



From distribution board

2 Core from momentary push button nearest socket. Note DA/N linked to Neutral in socket
Momentary Push button must not have indication LED

NOTE: This drawing is showing the view from the back side of the 5 PIN sockets



From distribution board

2 Core from momentary push button nearest socket. Note DA/N linked to Neutral in socket
Momentary Push button must not have indication LED

In the 2 room (multiple room wiring) the 2 control cables are disconnected between the rooms to allow separate room control

2 Core from momentary push button nearest socket. Note DA/N linked to Neutral in socket
Momentary Push button must not have indication LED

Suggested Momentary Push Buttons

- PDL - 681M20P
- Clipsal - 30MBP
- HPM - 870MWE



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Other Lighting Protocols

Gridlux and Tridonic are fully compatible as components in most lighting protocols. When using Gridlux and Tridonic with lighting protocols such as DALI, DSI and Corridor Function it should be designed, programmed and commissioned by a suitable systems integrator or contractor with DALI training.

- DALI (Digital Addressable Lighting Interface) is an interface protocol for digital communication between electronic lighting equipment.
- DSI (Digital Serial Interface) enables DSI ECGs to be controlled. The luminaires are switched via the control line irrespective of the cabling for the power supply.
- The corridor FUNCTION performs complex processes with ease. Standard motion detectors and luminaires with one4all LED drivers is all that is required to provide presence controlled lighting.

Talk to a qualified lighting designer to discuss options.