

DSI

6.2. DSI (ECO)

6.2.1. Description

DSI (Digital Serial Interface) enables DSI control gear to be controlled. The DSI line can be wired separately via a two-core cable or together with the mains cable in a five-core cable. Communication is not impaired by the mains cable. In contrast to DALI, there is no individual addressing of the ballasts with DSI.

DSI offers a series of benefits:

- _ Expansion options via submodules, for example in combination with daylight control or additional switch modules
- _ Wiring: Simple wiring with five pole standard cables and line length of up to 250 metres
- _ Wiring: Polarity-free control lines can be used for mains and control lines
- _ Wiring: Multiple wiring possibilities (star, series and mixed wiring)
- _ Unaffected by electrical interference
- _ Uniform light level from the first to the last light source

The main benefits of DSI are the optimisation of energy consumption of extensive groups of luminaires (e.g. in sports stadiums and factories).

6.2.2. Commissioning

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If the corridorFUNCTION is activated the LED Driver is controlled only by motion. To operate the control gear via DALI, DSI or switchDIM the corridorFUNCTION must be deactivated.

Further information can be found in the DALI Handbook (see [Reference list](#), p. 64).