



VDi™ Driver Technology



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Voltage **D**ifferential **i**ntelligence LED driver. Megabay's low voltage integral VDi™ driver is an electronic device intelligent to voltage drop and fluctuations enabling it to respond to the precise power requirements of sensitive high powered LEDs.



Our integral VDi™ drivers are the heart of our LED systems offering ease of installation, increased wiring distances, higher efficiency and long term LED performance.

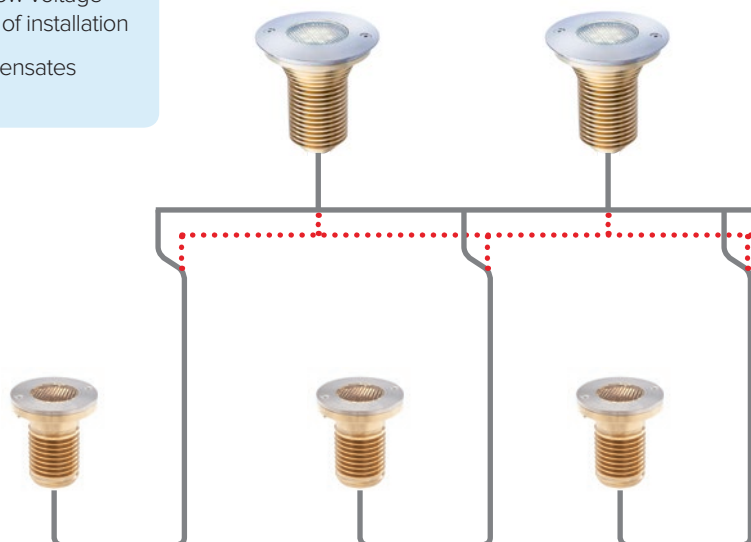
Integral VDi™ inside each luminaire

- Integral low voltage constant current driver
- Compact fixtures with smaller footprints
- Onboard LED thermal protection



Low voltage system

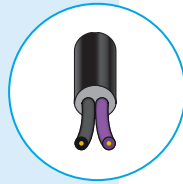
- 48V SELV safety extra low voltage connections offer ease of installation
- VDi automatically compensates for voltage drop





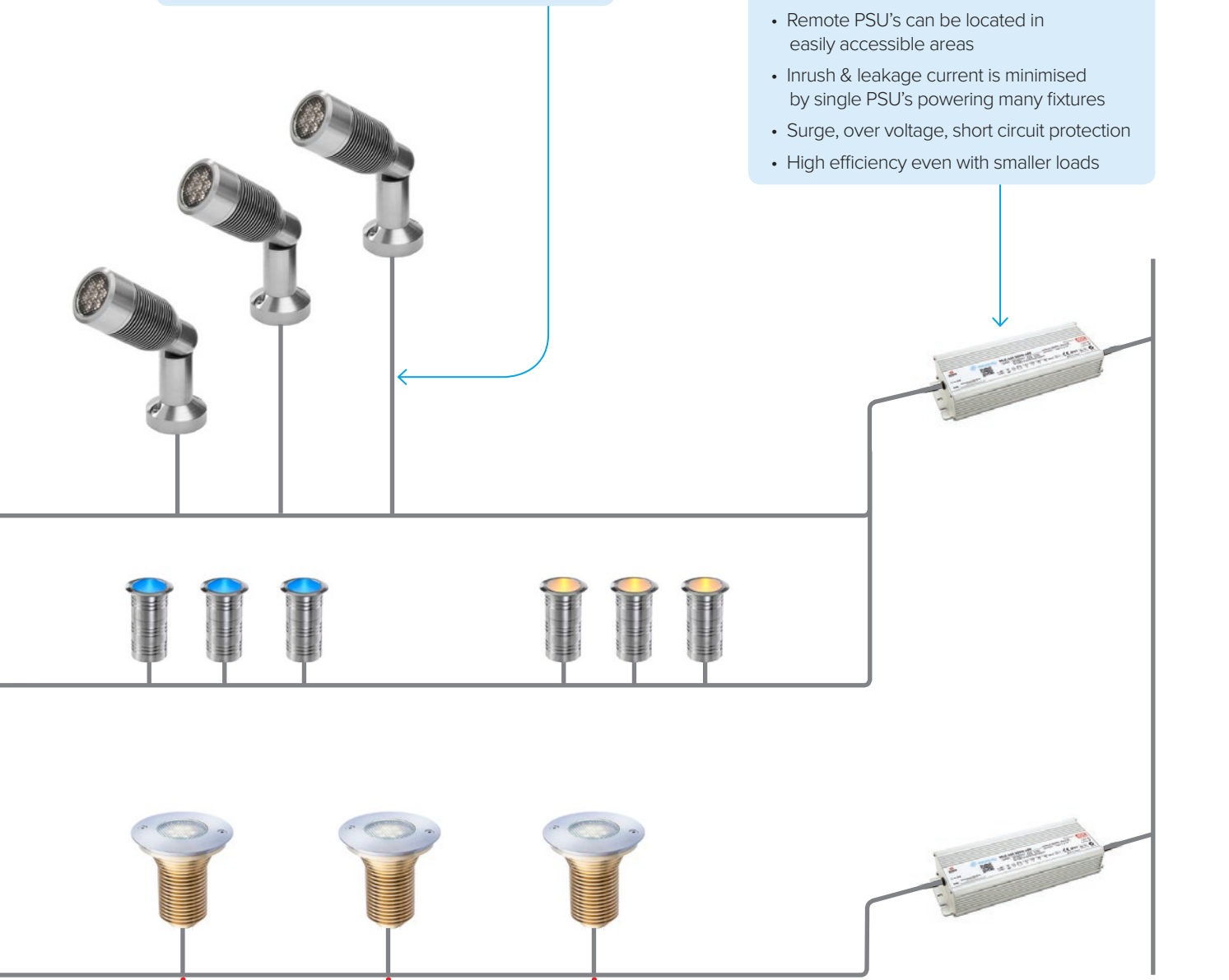
No polarity. Auto correction.

- Simple 2 wire system with all fixtures wired in parallel
- Eliminate confusion or errors with non-polarity wiring
- Wide input voltage range
Please refer to specific product data



High performance Optimo PSU

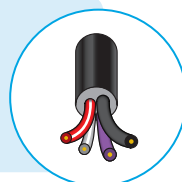
- High performance IP67 power supply
- Remote PSU's can be located in easily accessible areas
- Inrush & leakage current is minimised by single PSU's powering many fixtures
- Surge, over voltage, short circuit protection
- High efficiency even with smaller loads



mains power
100V - 240V AC

1-10V Dimming control

- Separate dimming control for single or fixture groups
- Active or passive to suit sync or source 1-10V dimming





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