

1. System Overview

This assembly provides power to four (4) LED floodlights, each rated 10 W, 240 V AC, via a fused plug connection. All lamps are wired in parallel using Wago 221 connectors housed in a suitable junction enclosure.

2. Components

Component	Quantity	Specification	Notes
LED Floodlight	4	240 V AC, 10 W each	CE / RoHS
Flexible cable	1	1.5 mm² 3-core PVC flex (H05VV-F or equivalent)	Brown / Blue / Green/Yellow
Plug	1	BS1363 3-pin, fused	Fitted to cable
Connectors	3	Wago 221 5-port lever connectors	One for each floodlight
Junction Box	1	Enclosed, IP-rated plastic housing	Cable glands

3. Wiring Configuration

All lives (brown) from the four floodlights are joined in one Wago connector, with a fifth from the plug's Live terminal. All neutrals (blue) joined similarly to the plug Neutral. All earths (green/yellow) joined and continued to the plug Earth. Connections fully enclosed in the

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