

Flori-67/3P Plug-in 230V Lighting System

Flori-67/3P/230V is a 230 volt, plug-in, linear lighting system developed by Blakley Electrics for mains voltage, temporary installations. In the UK, applications include: lighting within marquees, tents and other temporary structures; illumination of walkways at events, outdoor exhibitions and festival sites; providing temporary lighting within street markets and other areas of the public realm. Outside the UK, where 110V Reduced Low Voltage has not been adopted, Flori-67/3P/230V can be used to supply temporary lighting on construction and civil engineering projects (with suitable circuit protection).

Flori-67/3P/230V consists of 100 metre lengths of 3 core, H07 RN-F rubber sheathed, flexible cable with a unique, 3 pin, 6A, watertight outlet moulded at 3m, 5m, 7m or 10m intervals. A range of luminaires is available, pre-wired with input cable complete with mating 6A, 3 pin, watertight plug. Once the luminaires are fixed in position, electrical connection is simply achieved by plugging-in to the nearest Flori-67/3P/230V outlet. Loose input leads can be purchased for wiring on to suitable luminaires (requiring a 230V supply of up to 6A).

Flori-67/3P/230V supply cable is available in cross sections of 1.5mm² and 2.5mm² and is intended to be supplied from a source with overcurrent protection not exceeding 16A. Please note: if any luminaires are to be supplied from a source where the overcurrent protection exceeds 16A, the luminaires should be fitted with fuse protection of up to 6A rating. Also see "Circuit Protection" over the page for further details.

Although Flori-67/3P/230V is similar in appearance to our Flori-67/3P 110V lighting system, the pin configurations of the connectors are different, ensuring fittings are fed from the correct supply voltage. In addition, for easy identification, Flori-67/3P/230V outlets and adaptors are colour coded blue and Flori/67/3P 110V accessories are colour coded yellow.

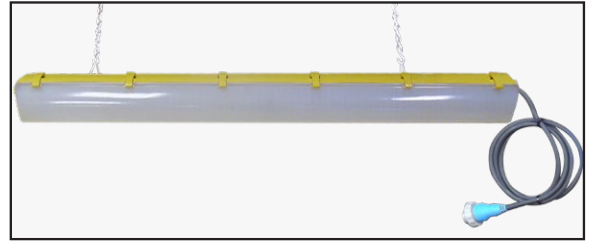
Luminaires

Various types of pre-wired 230V luminaires are offered:

- (i) Anti-corrosive LED fittings, 2' and 5', IP65, with or without 3 hour maintained emergency back-up.
- (ii) LED floodlights rated at 50W, 70W or 100W.
- (iii) LED bulkhead lights, 6W, with red or clear diffusers.

As Flori-67/3P/230V utilises 3C cable only, circuits with emergency fittings should be permanently energised to avoid damaging battery packs through repetitive discharging.

Please see over the page for standard Flori-67/3P/230V part numbers and information about lighting schemes, etc.



5' LED supplied via Flori-67/3P/230V



Bulkhead LED supplied via Flori-67/3P/230V



LED floodlights supplied via Flori-67/3P/230V



Flori-67/3P/230V Outlet and Adaptor

Part Numbers		
Part No.	Type	Description
Flori-67/3P/230V - 50m strings made from H07 RN-F tough rubber cable c/w 16A 230V IP67 Plug / Coupler		
S060891	Flori-67/3P/5/1.5/230V/16A/50M	1.5mm ² 3C cable with a Flori-67/3P/230V outlet every 5m (10 in total)
S060890	Flori-67/3P/3/1.5/230V/16A/50M	1.5mm ² 3C cable with a Flori-67/3P/230V outlet every 3m (16 in total)
Flori-67/3P/230V - 100m strings made from H07 RN-F tough rubber cable with unwired ends		
S060885	Flori-67/3P/10/1.5/230V	1.5mm ² 3C cable with a Flori-67/3P/230V outlet every 10m (10 in total)
S060884	Flori-67/3P/7/1.5/230V	1.5mm ² 3C cable with a Flori-67/3P/230V outlet every 7m (14 in total)
S060883	Flori-67/3P/5/1.5/230V	1.5mm ² 3C cable with a Flori-67/3P/230V outlet every 5m (20 in total)
S060882	Flori-67/3P/3/1.5/230V	1.5mm ² 3C cable with a Flori-67/3P/230V outlet every 3m (33 in total)
S060889	Flori-67/3P/10/2.5/230V	2.5mm ² 3C cable with a Flori-67/3P/230V outlet every 10m (10 in total)
S060888	Flori-67/3P/7/2.5/230V	2.5mm ² 3C cable with a Flori-67/3P/230V outlet every 7m (14 in total)
S060887	Flori-67/3P/5/2.5/230V	2.5mm ² 3C cable with a Flori-67/3P/230V outlet every 5m (20 in total)
S060886	Flori-67/3P/3/2.5/230V	2.5mm ² 3C cable with a Flori-67/3P/230V outlet every 3m (33 in total)
LED Anti-corrosive fittings, IP65, yellow body, supplied complete with hooks.		
S061050	Flori-67/3P/30W/LED/230V	Standard 2' 30W anti-corrosive fitting with Flori-67/3P/230V 2.3m adaptor
S061051	Flori-67/3P/30W/LED/EMER/230V	Emergency 2' 30W anti-corrosive fitting with Flori-67/3P/230V 2.3m adaptor
S061052	Flori-67/3P/44W/LED/230V	Standard 5' 44W anti-corrosive fitting with Flori-67/3P/230V 2.3m adaptor
S061053	Flori-67/3P/44W/LED/EMER/230V	Emergency 5' 44W anti-corrosive fitting with Flori-67/3P/230V 2.3m adaptor
LED Floodlight fittings supplied complete with cradle bracket		
S060901	Flori-67/3P/50W/LED/230V	50W 230V LED floodlight with Flori-67/3P/230V 2.3m adaptor
S060902	Flori-67/3P/70W/LED/230V	70W 230V LED floodlight with Flori-67/3P/230V 2.3m adaptor
S060903	Flori-67/3P/100W/LED/230V	100W 230V LED floodlight with Flori-67/3P/230V 2.3m adaptor
S060848A	LED/50	50W 230V LED floodlight with 1m input lead (no Flori-67 Adaptor)
S060849A	LED/70	70W 230V LED floodlight with 1m input lead (no Flori-67 Adaptor)
S060850A	LED/100	100W 230V LED floodlight with 1m input lead (no Flori-67 Adaptor)
S060189	Half Coupler	Scaffold pole clamp for use with LED floodlights
S060618	Fixings Kit, M10	For use with LED floodlights and Scaffold Pole Clamp
LED Bulkhead fittings		
S060907	Flori-67/3P/6W/LED/CLEAR/230V	Bulkhead fitting, clear, 6W LED with Flori-67/3P/230V 2.3m adaptor
S060908	Flori-67/3P/6W/LED/RED/230V	Bulkhead fitting, red, 6W LED with Flori-67/3P/230V 2.3m adaptor
S070010	BHG/BC	Steel guard for LED bulkheads
Flori-67/230V Adaptor		
S060894	Flori-67/3P/230V	6A 230V 3P Flori-67 Adaptor, Blue, c/w 2.3m 1.5mm ² 3C H07 RN-F cable for wiring on to loose fittings (anti-corrosives, floodlights or bulkheads).

For tunnel applications, Flori-67/3P can be made from LSOH cable.

Low Smoke Zero Halogen Cable

For tunnel applications and other confined locations, we are able to make Flori-67/230V strings and Adaptors from Low Smoke Zero Halogen tough rubber cable. Please contact us for details.

Circuit Protection

It is recommended that all 230V temporary lighting installations are protected by RCD, particularly those used outside. The risks associated with the loss of supply need to be considered. Maintained emergency bulkheads and anti-corrosive fittings are available to mitigate the effects associated with the loss of supply to lighting circuits.

Emergency Fittings

All of the above emergency fittings are the Maintained type and provide 3 hours of lighting, when batteries are fully charged (the charge time is up to 24 hours). As Flori-67/3P 230V is a 3 core system, the supply to emergency fittings should be unswitched to avoid the routine discharging of batteries. Battery isolation switches can be incorporated to enable batteries to be fully charged at the commencement of an installation. Please contact us for details.