

Emergency Lighting Driver

General Description

QW2889C is a LED driver designed for Emergency Lighting. The QW2889C employs patent protected main line detecting methodology to control and drive the emergency lighting system, without any peripheral components. The QW2889C can drive an LED load directly or to enable a boost circuitry, while the AC input main line could be 85-265Vac.

With Patented AC main line detection, the N or L line is compatible in QW2889C system. QW2889C integrates a precise single lithium-ion /polymer battery management functional blocks to protect the lithium-ion/polymer battery, including Over Charge Protection, Over Discharge Protection.

QW2889C output current in emergency state could be dimmable according the switch ON/OFF delay time.

QW2889C can deliver directly output current. QW2889C is available in SOP-8 package.

Features

- Simplified application circuitry
- AC main line detecting directly
- 85-265Vac Input
- EN PIN drive LED load directly
- Integrated single lithium-ion/polymer battery management and protection
- Dimmable in DC mode
- L/N Mixing

Package Reference

1	VN	VL	8
2	NC	NC	7
3	EN	VDD	6
4	GND	BATP	5

Applications

- Emergency lighting
- Stand-by Lighting