

## Installation Instructions – PM224

## Pillar Light 1 – Mini-LIGHTZ (1W)

### Constant current:

350mA (max)

### Caution:

Always turn power off when connecting or disconnecting luminaires.

### Note:

Ensure watertight connection.

### Warranty:

Luminaire: 5 years (outdoors)

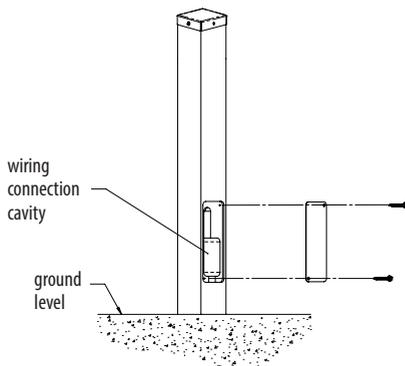
Proof of purchase is required. See website for full warranty conditions.

### Electrical installation:

(by registered electrician only)

1. Ensure driver is disconnected from mains supply before connecting LED/s.
2. Connect the LED bollards in SERIES.
3. Ensure connections are watertight and the polarity is correct. LED/s and driver may be permanently damaged if not wired correctly.
4. Use the wiring connection cavity to make the connection to each bollard.

NOTE: Normally these bollards are SERIES wired for constant current. If constant voltage operation is required, fit an 12 or 24 VDC driver into the wiring cavity at each bollard and wire in PARALLEL.

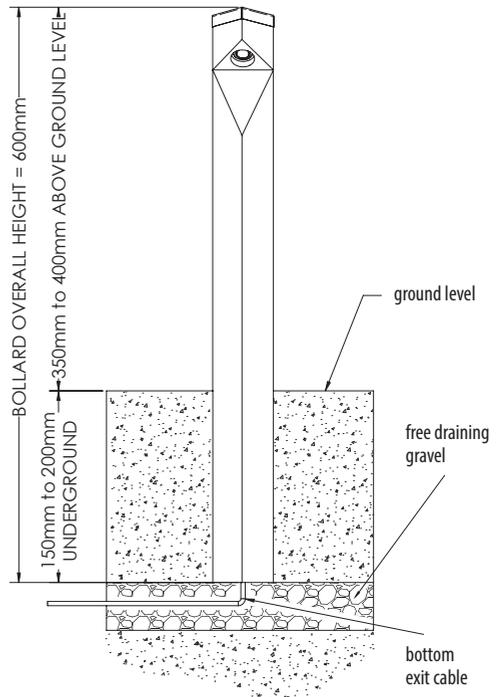


back view

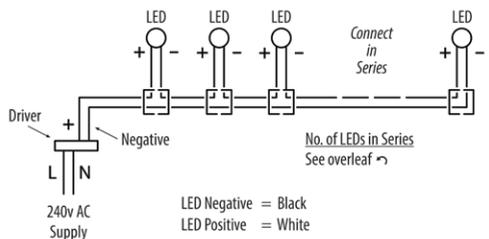
### In-ground installation:

Bollard designed for 150–200mm in-ground installation

- Suitable for concrete and dirt



front view



### Please see overleaf for driver compatibility chart

For dimmer information visit [www.switch-lighting.co.nz](http://www.switch-lighting.co.nz)

Library / Spec Sheets / LED Tips and Tricks / pages 4-5

IP67

CONSTANT  
**CC**  
CURRENT

## How many constant current lights per driver?

Use the convenient table below to check max & min number of lights to connect:

230V Constant current drivers						
Driver	Power max	Max V	Output	Pillar Light 1 No of units	Dimmable	Comment
<b>Current</b>			350mA	350mA		
<b>LO5020</b>	12W	3-32	350mA	1-9	No	
<b>LO5021</b>	12W	3-32	350mA	4-9	TE dimmable	TE
<b>LO5049</b>	40W	26-60	245-350mA	9-18	1-10V dimmable	Dimming is very poor. 125mA minimum. <b>Specify current on order.</b>
<b>LO5016i</b>	20W	3-32	350mA	1-9	1-10V + switch	1-10V dimmable + switch dimmable
<b>LO5011i</b>	20W	3-32 + 12/24V	350mA	1-9	1-10V + switch	1-10V dimmable + switch dimmable
<b>CL7005-240-C</b>	33W	9-48	350mA	4-14	No	
<b>Mini350mA</b>	4W	3-12	350mA	1-3	No	IP65
<b>IE-12D</b>	12W	Varies	180-350mA	5-11	Dali	Dali 1-100% dimming. <b>Specify current on order.</b>

Low voltage DC drivers (for battery and solar use)						
Driver	Power max	Input V	Output	Pillar Light 1 No of units	Dimmable	Comment
<b>LDD350LW</b>	8W	9-36V	2-32V @350mA	Depends on i/p voltage from batteries etc. 3@12V i/p 6@24V i/p	PWM dimming	Step down only. o/p volts=i/p volts - 3V
<b>LDB300LW</b>	12W	9-36V	2-40V @300mA	1-12	PWM dimming	Step up/down. Can also power SL40/SL50/SL55 from batteries