

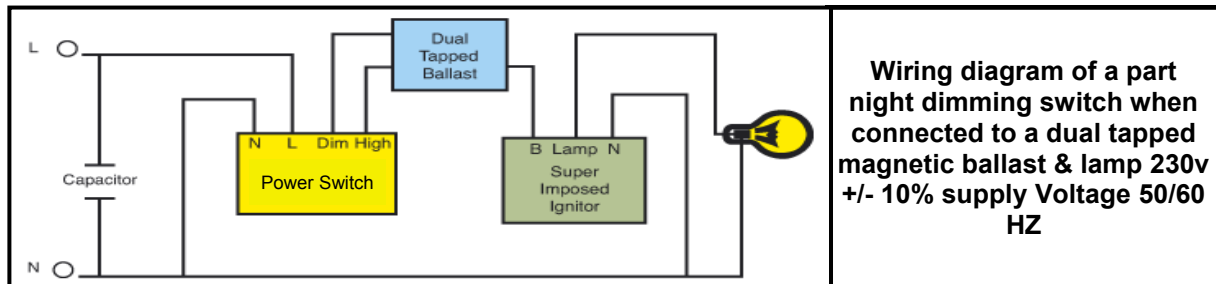
# Waters Lighting | Specification Sheet

## WLM Dimming Switch for use with Dual Tapped Magnetic Ballasts

The WLM Dimming Switch is an [UMSUG](#) coded, permanently wired unit that effectively **dims** dual tapped magnetic ballasts for HID (SON, SON-T and Metal Halide) Lamps. This can be as new or retrospectively fitted into most lanterns.

- Lamp wattages currently being dimmed 70W - 400W.
- Automatic pre-heat of lamp before dimming commences.

The Dimming Switch is wired between the switched load output of **any** standard photocell or **time switch** and a dual tapped magnetic ballast, as detailed in the following diagram:



The Dimming Switch consumes no power when the photocell is switched Off and less than **0.20W** when the lamp is switched On. The timing function is preset into the switch and Any timing configuration can be supplied, i.e. 24.00Hrs to 06.00Hrs for the dimmed period. Also automatic B.S.T. TO G.M.T. changeover function built in. Other timings can be configured as required.

### Technical Specification of Dimming Switch

Switch Type	Electromechanical Relay with Zero Crossing switching
Voltage	240V +/-10%
Load Handling	2 x 400W HID Lamps <b>Max 60uF</b>
Load Current Capacity	1,000W Tungsten 1,800VA Inductive
Dimming Times	Default setting : Midnight to 05:30 <b>G.M.T.</b> or to Customers specification, quantity dependant
Circuit Power Consumption	Less than 0.20W Switched On. No Power Consumption when Off.
Operating Temperature (Ta)	-20 o C to +94 o C
Power Loss During Load Handling	Negligible
Enclosure Material	ABS
IP Rating	IP65
EMC	To EN50082-1 & EN55014
Dimensions	L 86mm x W 49mm x H26mm

- The Dimming Switch will not interfere with lamp testing routines as it will ignore switching cycles of less than 30 minutes.

- The Dimming Switch will always default to the highest switched level of the ballast.

Standard gear options available:

70w dimming to 50w

100w dimming to 70w

150w dimming to 100w

250w dimming to 150w

400w dimming to 250w