KEN-MINI-PHOTOCELL : 230V AC Miniature Photocell



The Kenlock miniature photocell is a compact dusk-to-dawn lighting control unit designed for direct integration into traffic signs, illuminated street furniture, outdoor lighting and OEM equipment. It automatically switches the connected load based on ambient light level.

Each unit is supplied with a panel-mount threaded sensor, mounting nut and gasket, and three flying leads for simple installation. The compact wire-in design makes it suitable for both new equipment and retrofit applications.

KEY FEATURES

- Compact wire-in miniature photocell for automatic dusk-to-dawn control
- Suitable for 120–277 V AC nominal systems, 105–305 V AC applicable range
- Turn-on level 10–16 lux typ.
- 1:1.5 turn-off ratio for stable switching
- 5 A electronic ballast rating
- Rated load up to 1000 W / 1800 VA
- Zero-cross switching
- Supplied with red, black and white flying leads
- G3/8 threaded panel-mount sensor with mounting nut and gasket
- Compact body dimensions based on the reference drawing
- Operating temperature range -40°C to +70°C
- Custom lux levels and OEM customisations available

V1.1 – October 2026

TECHNICAL CHARACTERISTICS – 230 V AC VERSION

PARAMETER	SPECIFICATION.
Operating Voltage	105 – 305 V AC
Frequency	50 / 60 Hz
Turn-on Level	10 – 16 Lux typ.
Turn-off Ratio	1 : 1.5 typ.
Time Delay	Included
Rated Load	1000 W / 1800 VA max
Current Rating	5 A
Operating Temperature	-40°C to +70°C
Power Consumption	≤0.7 W at 120 V AC
Sensor Type	IR-filtered phototransistor
Wire Specification	18 AWG, approx. 160 mm leads
Mounting Thread	G3/8
Mounting Hole	Ø18.0 ±1 mm

MECHANICAL SPECIFICATION – 230 V AC VERSION

The KEN-MINI-PHOTOCELL is a compact wire-in photocell supplied with a mounting nut, gasket and three-wire output. The body dimensions are approximately 52 mm high, 28.5 mm wide and 23 mm deep, with an overall depth of 45 mm including the threaded sensor section. The three wires should be connected as follows:

- Red wire – Load (switched live)
- Black wire – Line (supply live)
- White wire – Neutral

Custom lux levels, wire colours, lead lengths, terminations and OEM branding are available on request.
Wire colours shown above are standard; follow the supplied wiring schedule for customised units.

