

ZCell

The ultimate energy saver. Specifically designed for use with LED lanterns, the 12-year warranty ZCell is the most efficient photocell available. Drawing less than 100mW of power, this combined with its IP66/67 rating and LED status indicator makes it the perfect choice for a fit and forget installation.



Overview:

- Quick and easy to install
- Extremely robust
- Long life design

Features:

- Available for either 3 pin or 5/7 pin NEMA photocell bases
- LED indicator to confirm unit is working correctly (1 flash per 10 seconds = OK, 1 flash per 1 second = gaining Solar Clock and no flash = faulty).
- Switching delay to avoid irregular illumination and de-illumination due to brief changes in the lux level
- Pre-programmed part night off versions available in GMT or DLS
- Coloured banding and bases for quick identification available
- 100mW power consumption compared to 250mW for conventional photocells

Specification

Sensor			
Filtered Photodiode			
Drift Negligible			
Switching Technology			
Electronic EM Relay Load Switching			
Switching Regime / Time saved			
Light level		Availability in ZCell range	Approximate burning hours per year
On at dusk	Off at dawn		
70 lux	35 lux	Contact Sales	4147 hours per year
55 lux	28 lux	Contact Sales	4127 hours per year
35 lux	18 lux	Yes	4100 hours per year
20 lux	20 lux	Yes	4088 hours per year
10 lux	10 lux	Contact Sales	4070 hours per year
Switching ratio		1:1 or 1:0.5	
Switching delay		10 seconds	

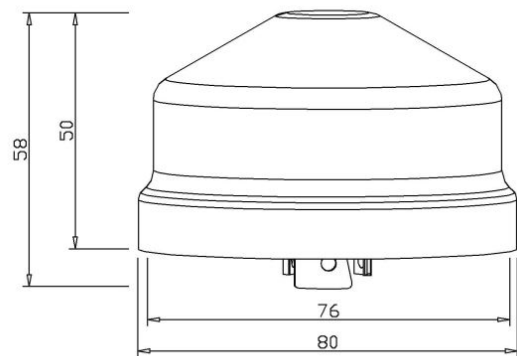
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Specification

Load	
Maximum load for LED lighting	400 Watts
ZCell is compatible with other light sources. Maximum load for: High Pressure Sodium Metal Halide GLS or incandescent	400 Watts 400 Watts 800 Watts
Supply and Consumption	
Voltage	198-264
Surge Suppression	38 Joules
Frequency	50Hz
Consumption in watts	100mW
UMSUG Charge Code	94 0000 0001 100
Operating Temperature	
Min/Max operating ambient temp range	-20/+80°C
Compliance and Approvals	
IP Rating	IP67
Warranty	12 years
Compliance Standards	BS5972, BS EN IEC 55015, BS EN 60529, BS EN IEC 61000-3-2, BS EN 61000-3-3, BS EN IEC 61000-4-2, BS EN IEC 61000-4-3, BS EN 61000-4-4, BS EN 61000-4-5, BS EN 61000-4-6, BS EN IEC 61000-4-11, BS EN 61347-2-11, BS EN 61547, RoHS. CE, UKCA

Dimensions and Construction:	
Height	50mm
Diameter	80mm
Weight	82g
Fixing	3 pin or 5/7 NEMA base
Control circuitry	Digital
Terminals	Brass
Body Material	UV stabilised Polycarbonate Enclosure



Order Codes

Order Code	Description	Warranty	Lux On	Lux Off
F6253-0004	ZCell LED 20 Lux 1:1	12 years	20	20
F6253-0001	ZCell LED 35 Lux 1:0.5	12 years	35	18
F6253-0006	ZCell LED 35 Lux 1:0.5 5-7 Pin	12 years	35	18
F6253-0007	ZCell LED 20 Lux 1:1 5-7 Pin	12 years	20	20

*part night and coloured band options available on request