

## Patented HDIR™ Presence Sensor



*The Key to Lighting  
Comfort and Energy Savings*

### Controls

- Delayed-Off timer (30 sec – 30 min)
- Ambient light threshold (20 – 320 Lux)
- Infra red range
- Sunset sensor override
- Normal occupancy / walk-thru mode
- Test mode. Automatic reset to normal operation after 15 minutes
- LED indicators

### Accessories

- Brackets, screws and wall plugs for surface mount in solid ceiling
- Spring clips for flush mount in drop ceiling
- Infra red zone mask

CPL-1312 is a motion sensor with SUREN's proprietary 8-element pyros and multi-segment lens array.

Mounted at a height of 2.4m, CPL-1312 not only offers detection of minor motion, e.g. hand movement, within the 6m diameter area but also detection of people walking within the area of 12m diameter.

CPL-1312 can be surface mounted or flush mounted for an attractive, un-obstructive appearance.

The sensor is fitted with a high-capacity relay that is capable of driving a wide range of load types, including lighting or HVAC devices.

### Infra Red Motion Detection

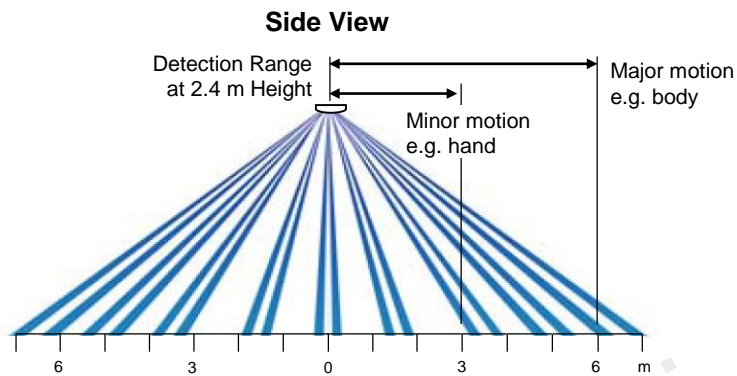
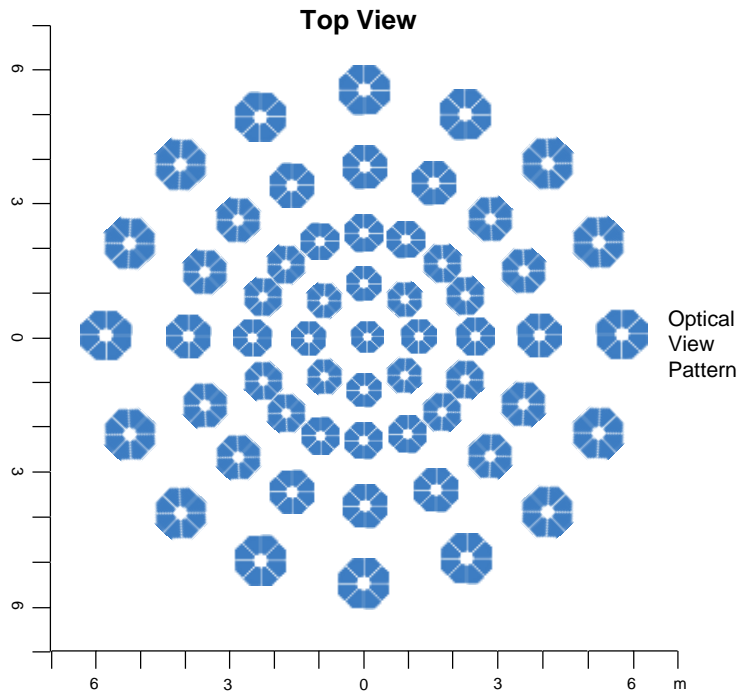
- 360 degree coverage
- Detection range 12m diameter

#### HDIR™ – High Definition IR

- Proprietary 8-element pyros
- 960 optical view patterns
- Each cluster of 8-segment pattern captures very fine body movement
- Patented technology
- Alternating polarity for stronger signals
- Multi-level segmented lens for better detection

### Smart Features

- **Sunset Sensor** (Photocell) that enables lighting only when ambient light is low
- **Detection Sequence Logic (DSL)** that uses intelligent processing to turn light on when major motion is detected and to keep the light on with only minor motion
- Automatically adapts to different occupancy patterns including normal occupancy and walk-thru modes
- In normal occupancy mode, light is turned off after some delay after the last person leaves the area
- In walk-thru mode, light is turned off shortly after person leaves the area



## Specifications

Supply Voltage	85 – 277 V AC	Power Consumption	1.87 W	
Output Voltage	85 – 277 V AC	Output Current	5 A	
PIR Detection Range	12 m diameter mounted at 2.4 m height			
Operating Temperature Range	-40° C to 55° C			
Recommended Mounting Height	2.3 m to 4 m			
Housing	High Impact ABS			
Dimension	Overall Height	56 mm	Diameter	110 mm
Approvals				
Patents	US Patent 7,579,595 (Additional patents pending worldwide)			
Optical View Pattern	Long Range	Mid Range	Short Range	Look Down
	192	384	352	32

All specifications are subject to change without notice.