# LED MOTION SENSOR LINEAR

**SPC**

**ecoLED™**
A DIVISION OF *ecopower*®

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**Warranty**

- **10** YEAR WARRANTY
- **25** EST. 1994
- A Canadian Manufacturer

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**FEATURES**

- 0-10vDC dimmable w/ adjustable sensor standard
- Ergonomic aesthetically pleasing design
- Even, non glare illumination, soft & comfortable on the eyes
- 1.2mm aluminum heat sink provides excellent heat dissipation
- Non-discoloring opal polycarbonate diffuser
- Replaceable LED strips with press terminal block, easy to maintain
- EZ wire thru or rear mount KO
- Surface, pendant, suspend or wall mount
- Tamper resistant design
- HF Wave sensor control, field-settable, daylight harvesting, hi/lo & BAS compatible

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**OPTIONS**

- 347v
- Suspension kits
- No sensor
- Non-dimming

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Low glare, even output. Tamper resistant. Surface or suspended mount, available in 20, 40, and 60 watt models, with standard 0-10vDC dimmable driver and onboard site adjustable hi/lo occupancy & daylight harvesting sensor. Ultra sensitive HF Wave sensor outperforms both sonic and PIR sensors, and detects movement around corners. Constructed from aluminum and polycarbonate.

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**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Housing</th>
<th>Cold Rolled Steel housing + Aluminum heatsink</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finish</td>
<td>White</td>
</tr>
<tr>
<td>Mounting</td>
<td>Wall mount, Ceiling mount or Suspended mount</td>
</tr>
<tr>
<td>Lens Type</td>
<td>Polycarbonate Lens</td>
</tr>
<tr>
<td>Applications</td>
<td>Stairwells, bathrooms, parking lots</td>
</tr>
</tbody>
</table>

**ELECTRICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>LED Engine</th>
<th>Epistar 2835 LED Chip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available Wattages</td>
<td>20w, 40w, &amp; 60w</td>
</tr>
<tr>
<td>Power Factor</td>
<td>&gt;0.95</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-20°C to 40°C</td>
</tr>
<tr>
<td>Available Voltages</td>
<td>100-277vAC standard, 347v optional</td>
</tr>
</tbody>
</table>

**OPTICAL & PERFORMANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Lumen Output</th>
<th>2' : 20w (2000-2200 L)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4' : 40w (4000-4400L)</td>
</tr>
<tr>
<td>CRI</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Beam Angles</td>
<td>120°</td>
</tr>
<tr>
<td>L70</td>
<td>&gt;36,000</td>
</tr>
<tr>
<td>LMB0</td>
<td>45,000h</td>
</tr>
<tr>
<td>Certifications</td>
<td>cETLus, CE, ETL Qualifies for incentives in North America, (<a href="mailto:info@ecopowerled.com">info@ecopowerled.com</a> for more information)</td>
</tr>
</tbody>
</table>

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**Certifications**

- cETLus
- CE
- ETL

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**info@ecopowerled.com | ecopowerled.com | 1.800.564.8086**

Warranty is only valid based on fixtures operating for 12 hours or less per day.
LED MOTION SENSOR LINEAR

DIMENSIONS

INSTALLATION

Ensure that power is turned off before installation.

1. Spy out the plastic sheet.

2. Remove the screws.

3. Pass the power supply through the entry hole.

4. Connect the power supply to the terminal block.

5. Screw the fixture to the ceiling.

6. Reinstall the screws and plastic sheet.
POLAR CURVES

LUX DISTANCE CHART

PRODUCT CODE GENERATOR

Some combinations of adders may not be possible, email quotes@ecopowerled.com for further info.

SPC

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Size (')  Wattage  Kelvin  Voltage  Options

2  20w  WW (3000k)  V4 (100-277vAC)  NS

4  40w/60w  NW (4000k)  V5 (347v)  NDS

Non-dimming, no sensor
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MICROWAVE MOTION SENSOR

SPECIFICATION

- Operating voltage: 120-277vAC, 50-60Hz
- Rated capacitive load: 120V@400W | 220-240V@800W | 277V@1000W
- HF system: 5.8GHz ± 75MHz, ISM wave band
- Transmitting power: < 0.5mW
- Power consumption: < 0.5W(standby) | < 1W (operation)
- Detection zone: Max. (D x H): 16m x 15m
- Detection sensitivity: 10%/50%/75%/100%
- Hold time: 5s / 30s / 90s / 3min / 20min / 30min
- Daylight sensor: 2-5-10-25-50-100 lux / Disable
- Stand-by period: 0s / 5s / 5min / 10min / 30min / 1h / +∞
- Stand-by dimming level: 10-20-30-50%
- Mounting height: 15m Max
- Motion detection: 0.5~3m/s
- Detection angle: 150º (wall) | 360º (ceiling)
- Operating temperature: -35º ~ 70ºC

DETECTION PATTERN

Ceiling mounting pattern (unit:m)
Suggested installation height: 2.5 - 10m

Wall mounting pattern (unit:m)
Suggested installation height: 1-1.8m
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WIRING DIAGRAM WITH SYNC
SETTING INSTRUCTIONS

Detection Area
Detection area can be reduced by selecting the combination on DIP switches to fit precisely each application.

Hold time
Refers to the time period the lamp remains at 100% illumination after no motion is detected.

Stand-by period
Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people. When set to +∞ mode, the low light is maintained until motion is detected.

Daylight Sensor
The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level. 50 lux, 30lux: twilight operation, 10 lux, 5 lux: darkness operation only. Note that daylight sensor is active only when lamp totally switches off.

Stand-by dimming level
The low light level you would like to have after the hold time in the long absence of people.