



LED Sensor Flood Lighting




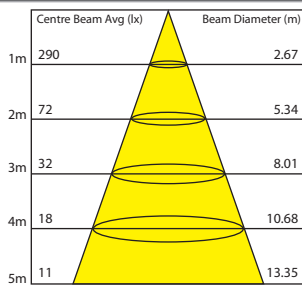
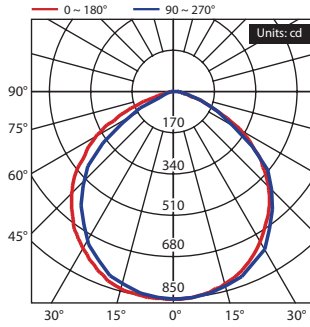
LFL-C2 Series: 20W, 30W & 50W passive infrared motion sensor LED flood light

The LFL-C2 Series combines efficient LED flood lighting with customisable motion-sensing technology to compound your energy savings. Available in 20W, 30W & 50W with adjustable ambient light sensitivity, on-time delay and passive infrared (PIR) motion detection to deliver energy efficient lighting and ideal for security and general purpose lighting.

The LFL-C2 Series is built with a metal, IP65 rated weather resistant chassis, making them suitable for outdoor lighting in residential, commercial and industrial applications.

- Available in 5000K cool white with 120lm/W light output
- Effective light distribution with 120° beam angle
- Adjustable PIR detection up to 12m with a 140° arc.
- Adjustable on-time delay (5s ~ 5min)
- Adjustable U-shape mount with over 180° of motion
- Adjustable PIR bracket (180° panning with 90°~90° tilt)

Series Specifications

| Model | LFL-C20 -CS2-5 | LFL-C30 -CS2-5 | LFL-C50 -CS2-5 | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|--------------|----------------------|-------------------|----|-----|------|----|----|------|----|----|------|----|----|-------|----|----|-------|
| Product Image |  |  |  | | | | | | | | | | | | | | | | | | |
| Series Name | LFL-C2 Series LED Sensor Flood Lights | | | | | | | | | | | | | | | | | | | | |
| Optical | | | | | | | | | | | | | | | | | | | | | |
| Light Output | 2400lm | 3600lm | 6000lm | | | | | | | | | | | | | | | | | | |
| Luminous Efficacy | 120lm/W | | | | | | | | | | | | | | | | | | | | |
| Colour Temperature | 5000K | | | | | | | | | | | | | | | | | | | | |
| Colour Rendering Index | >80 | | | | | | | | | | | | | | | | | | | | |
| Beam Angle | 120° | | | | | | | | | | | | | | | | | | | | |
| Light Decay | <30% at 35,000 hours | | | | | | | | | | | | | | | | | | | | |
| Rated Lifespan | 35,000 hours | | | | | | | | | | | | | | | | | | | | |
| Electrical | | | | | | | | | | | | | | | | | | | | | |
| Power Consumption | 20W | 30W | 50W | | | | | | | | | | | | | | | | | | |
| Input Voltage | 100 ~ 240VAC | | | | | | | | | | | | | | | | | | | | |
| Power Factor | > 0.95 | | | | | | | | | | | | | | | | | | | | |
| Dimmable | N/A | | | | | | | | | | | | | | | | | | | | |
| General | | | | | | | | | | | | | | | | | | | | | |
| Ambient Sensor | 2~2000lx (adjustable) | | | | | | | | | | | | | | | | | | | | |
| Motion Sensor | PIR: 140° arc up to 12m range (horizontally), Ø6m range (ceiling) | | | | | | | | | | | | | | | | | | | | |
| Sensor Calibration | Adjustable motion sensitivity and on-time delay (5s ~ 5min) - <i>Sensor mode cannot be disabled</i> | | | | | | | | | | | | | | | | | | | | |
| Ingress Protection | IP65 | | | | | | | | | | | | | | | | | | | | |
| Plug / Socket / Base | Bare wire, unterminated | | | | | | | | | | | | | | | | | | | | |
| Reflector / Diffuser | Aluminium reflector / Tempered glass front | | | | | | | | | | | | | | | | | | | | |
| Housing Adjustments | +180° angle adjustable U-shape bracket / Fully adjustable PIR sensor stalk Adjustable PIR sensor bracket (180° panning, 90°~90° tilt) | | | | | | | | | | | | | | | | | | | | |
| Operating Environment | -20° ~ 50°C | | | | | | | | | | | | | | | | | | | | |
| Dimensions | 204 x 206 x 38mm | 253 x 236 x 40mm | 312 x 279 x 46mm | | | | | | | | | | | | | | | | | | |
| Photometry | | | | | | | | | | | | | | | | | | | | | |
| Illuminance at a Distance |  <table border="1"> <thead> <tr> <th>Distance (m)</th> <th>Centre Beam Avg (lx)</th> <th>Beam Diameter (m)</th> </tr> </thead> <tbody> <tr> <td>1m</td> <td>290</td> <td>2.67</td> </tr> <tr> <td>2m</td> <td>72</td> <td>5.34</td> </tr> <tr> <td>3m</td> <td>32</td> <td>8.01</td> </tr> <tr> <td>4m</td> <td>18</td> <td>10.68</td> </tr> <tr> <td>5m</td> <td>11</td> <td>13.35</td> </tr> </tbody> </table> <p>LFL-C20-CS2-5 (20W)</p> | | | Distance (m) | Centre Beam Avg (lx) | Beam Diameter (m) | 1m | 290 | 2.67 | 2m | 72 | 5.34 | 3m | 32 | 8.01 | 4m | 18 | 10.68 | 5m | 11 | 13.35 |
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| 5m | 11 | 13.35 | | | | | | | | | | | | | | | | | | | |
| Luminous Light Distribution |  <p>LFL-C20-CS2-5 (20W)</p> | | | | | | | | | | | | | | | | | | | | |

Ordering Information

| Type | Series | Wattage | Colour Temperature | Sensor | Series | | |
|---|--------|---------|----------------------------------|--------|----------------|----------------|--------------|
| LFL | - | C2 | 20 (20W) 30 (30W) 50 (50W) | - | C (Cool white) | S (PIR Sensor) | 2 (Series 2) |
| LFL-C20-CS2-5: 20W LED Sensor Flood Light in Cool White | | | | | | | |