

# Thermal Plastic LED A60 Sensor

## 9W

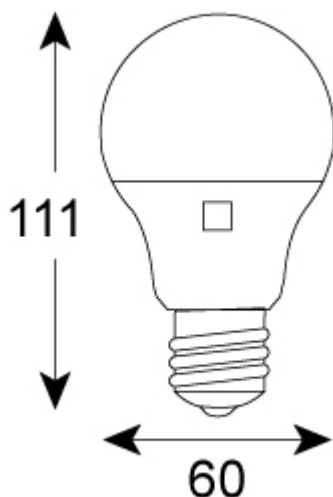
### Features

- Extremely energy saving with low power consumption
- Ideal retrofit of traditional lamps with same appearance / performance / dimensions
- With daylight sensor to control ON (<0.1lux) / OFF (>10lux) for outdoor lighting by detecting sunlight lux level in IR spectrum
- Excellent thermal conductivity
- Good color rendition, Ra ≥80



### Diagrams

Dimensions:



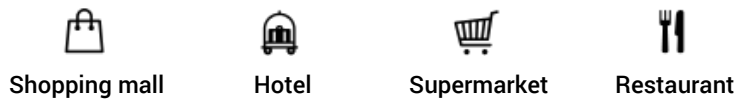
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Standards



Applications



| Technical Data                            |                                                           |
|-------------------------------------------|-----------------------------------------------------------|
| Type of Light Source                      |                                                           |
| Lighting Technology Used                  | LED                                                       |
| Non-directional or Directional [NDLS/DLS] | NDLS                                                      |
| Mains or Non-mains [MLS/NMLS]             | MLS                                                       |
| Connected Light Source                    | No                                                        |
| Color tunable light source                | No                                                        |
| Envelop [No/Second/Non-Clear]             | No                                                        |
| High Luminance Light Source               | No                                                        |
| Anti-glare Shield                         | No                                                        |
| Electrical                                |                                                           |
| Rated Wattage [W]                         | 9W                                                        |
| On-mode Power [W]                         | 9W                                                        |
| Standby Power [W]                         | N/A                                                       |
| Networked Standby Power [W]               | N/A                                                       |
| Rated Voltage [V/Hz]                      | 220-240Vac, 50/60Hz                                       |
| Power Factor @230V                        | 0.5                                                       |
| Input Current [mA] @230V                  | 78                                                        |
| Model                                     |                                                           |
| LED TP A60 9W SR                          | 9W                                                        |
| Luminous Flux (Useful Luminous Flux) [lm] |                                                           |
| 9W                                        | 820lm @3000K                                              |
|                                           | 835lm @4000K                                              |
|                                           | 850lm @6500K                                              |
| Performance                               |                                                           |
| SCDM                                      | <6                                                        |
| Chromaticity coordinates [x, y]           | 0.44, 0.403@3000K / 0.38, 0.38@4000K / 0.312, 0.335@6500K |
| Efficacy [lm/W]                           | 91-94                                                     |

|                                              |                                            |
|----------------------------------------------|--------------------------------------------|
| Color Rendering Index [Ra]                   | ≥80                                        |
| R9 colour rendering index value              | 2                                          |
| Beam Angle [°]                               | 175                                        |
| Rated Life, Ta@25°C [hrs]                    | 25,000                                     |
| Lamp Survival Factor                         | 0.9                                        |
| Lumen Maintenance                            | 0.96                                       |
| Number of Switching Cycles Before Failure    | >15,000                                    |
| Starting Time [S]                            | <0.5                                       |
| Warm Up Time [S]                             | <2                                         |
| Premature Failure At 1000hrs                 | <5%                                        |
| Displacement Factor [cosØ]                   | 0.5                                        |
| Flicker Metric [Pst LM]                      | 1                                          |
| Stroboscopic Effect Metric [SVM]             | 0.4                                        |
| Mechanical                                   |                                            |
| Diameter D [mm]                              | Φ60                                        |
| Height H [mm]                                | 111                                        |
| Base                                         | E27 / B22d                                 |
| Material                                     | Aluminium + PC                             |
| Standard Compliance                          |                                            |
| CE-LVD                                       | EN62560                                    |
| CE-EMC                                       | EN55015, EN61547, EN61000-3-2, EN61000-3-3 |
| CE-EMF                                       | EN62493                                    |
| Environment                                  | RoHS                                       |
| Mercury Content [mg]                         | 0.0                                        |
| Energy Class                                 | F                                          |
| Other                                        |                                            |
| Dimmable [Yes/Only with specific dimmers/No] | No                                         |
| Operation Temperature                        | -20°C ~ 50°C                               |
| Storage Temperature                          | -10°C ~ 30°C                               |
| Claim of Equivalent Power, 9W [W]            | 62W                                        |
| Energy Consumption in on-mode [kWh/1000h]    | 9kWh                                       |