



E-CORE LED ROADLIGHT 9000

This road light complies with the EN 13201 standard and combines every technological and design advantage to create low-cost, low-maintenance lighting for the 21st century road network. The weatherproof design, eye-friendly soft-start function and constant lumen output control, plus 10 kV overload protection, combine to enable an exemplary 60 000 hour service life. Outstanding performance which quickly eclipses conventional 250 mercury lamp systems.

Application:

- + Ideal for main roads with light class ME3 & ME4
- + Optimal replacement for mercury vapor lamps up to 250 W
- + For mounting heights 8-10 m

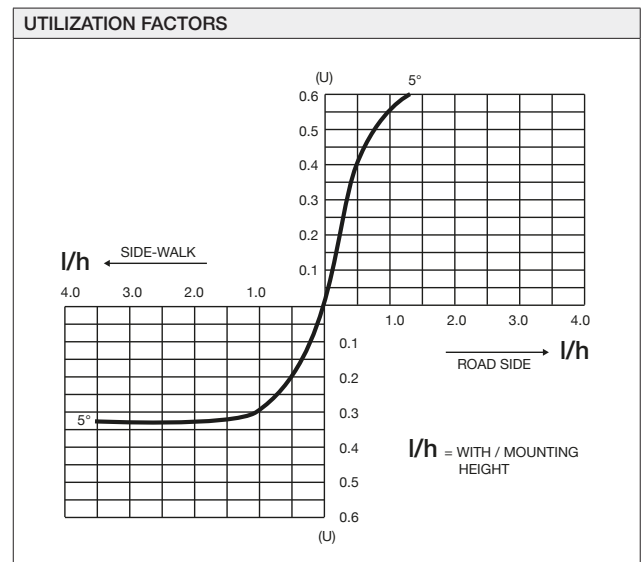
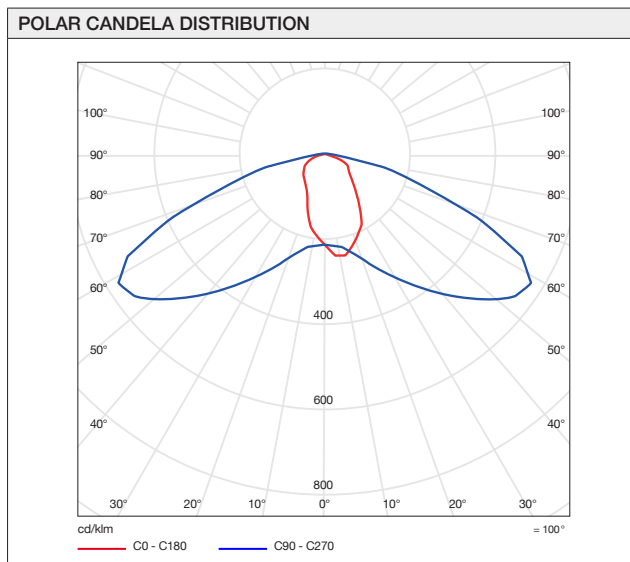
Product details

- + 92 lm/W initial system efficacy
- + No mercury, environmentally
- + Saving on relamping cost
- + No influence of switching cycles on product life
- + Top mounted and side mounted option in one unit
- + Dimmable by step dimming to 50 %
- + No UV, insect-friendly
- + White light increase the feeling of security and danger recognition
- + Constant lumen output ensures the photometric performance over the product life
- + High luminance and illuminance uniformity
- + Top design
- + Compliance with EN13201

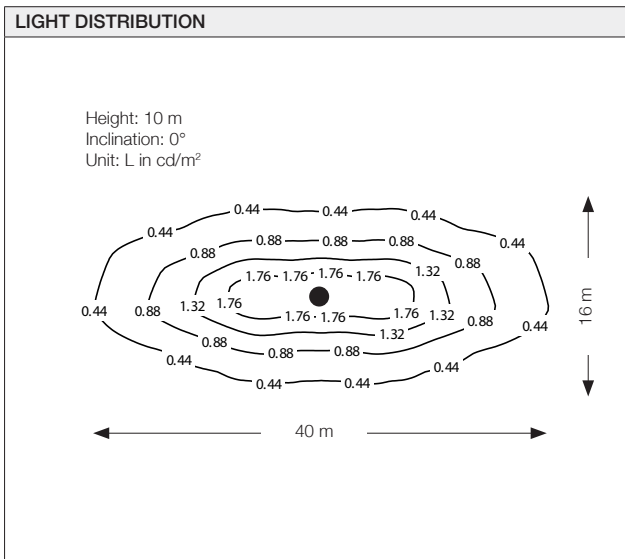
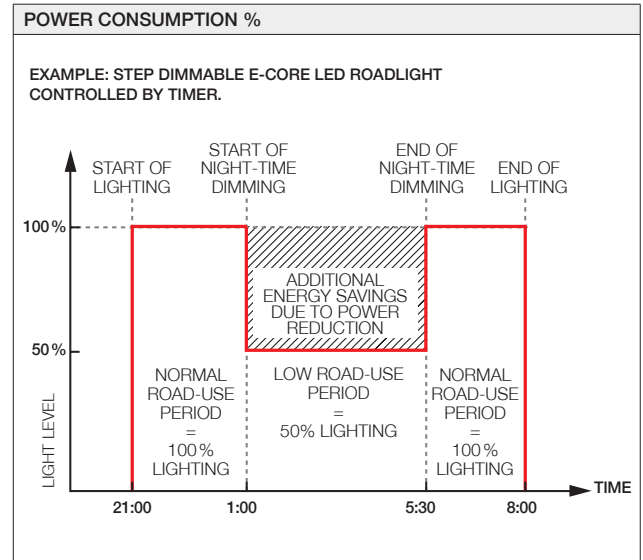
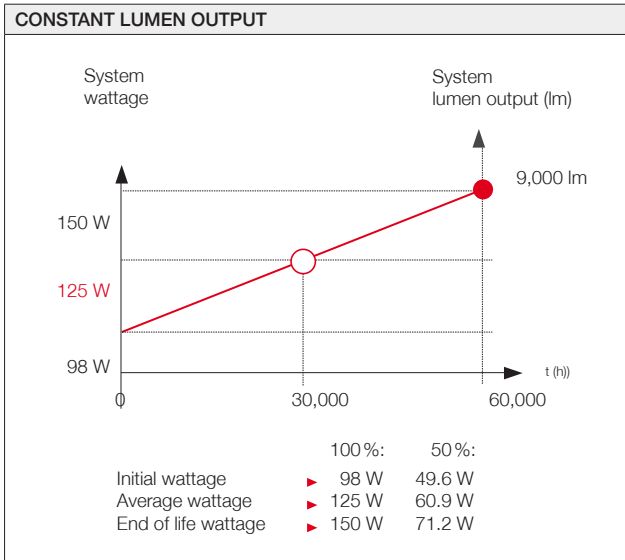


Optical parameters

| MODEL NAME | E-CORE LED ROADLIGHT 9000 |
|-------------------------------|--|
| Lumen output | 9,000 lm, constant lumen over lifetime |
| Initial system efficacy | 92 lm/W |
| Correlated colour temperature | 5000 K |
| Ra | 70 |



Optical parameters



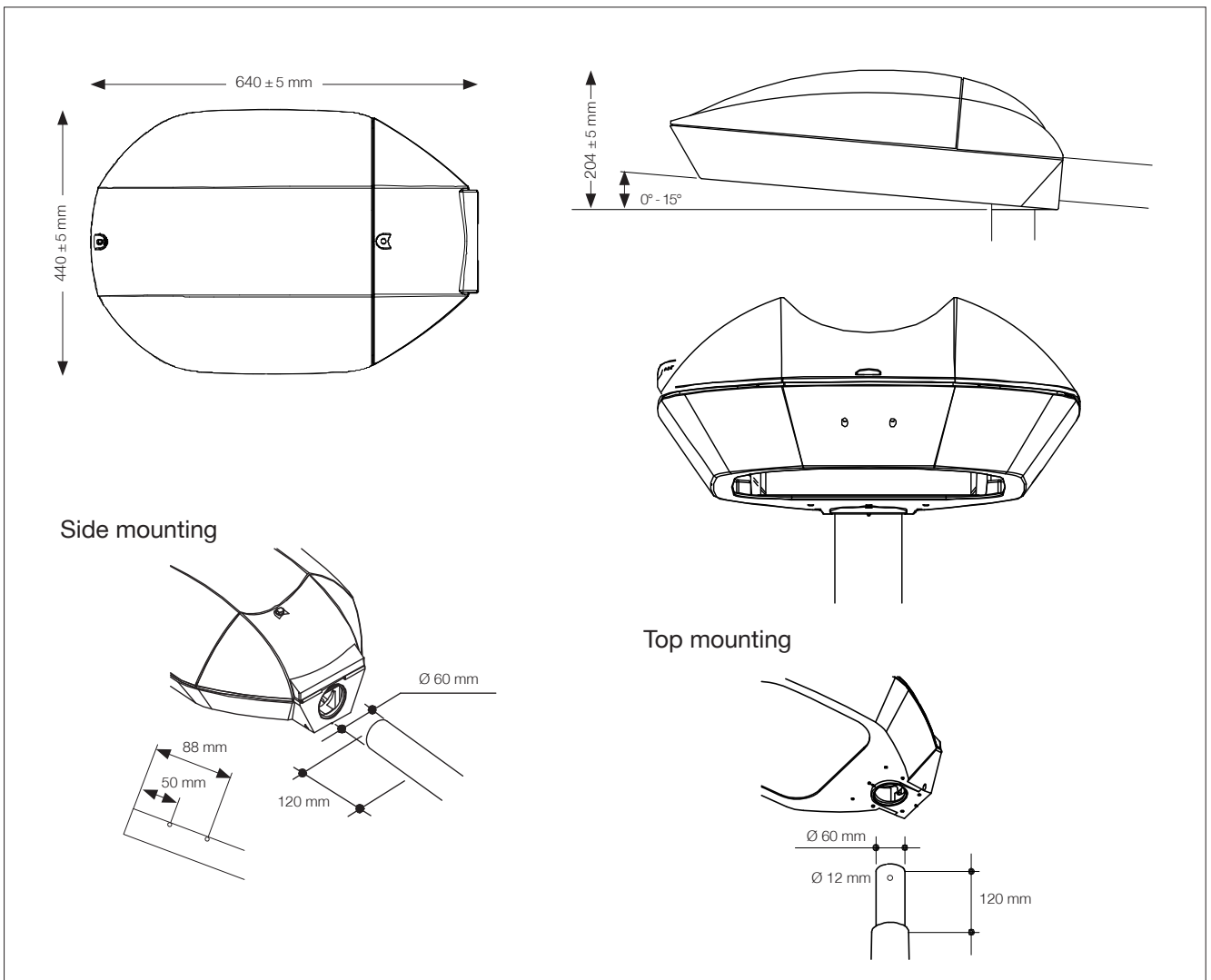
Electrical parameters

| MODEL NAME | E-CORE LED ROADLIGHT 9000 |
|---------------------------|--|
| Rated wattage | 100%: Initial: 98 W / Average: 125 W / End of life: 150 W 50% (dimmed): Initial: 49.6 W / Average: 60.9 W / End of life: 71.2 W |
| Dimming function | 2 output levels: 100 % and 50 %, phase controlled |
| Soft start | ~ 5 sec. till full on |
| Electric class | Class II |
| Power-factor | > 0.9 |
| Rated voltage / frequency | 220-240 V / 50/60 Hz |
| Surge protection | 10 kV |
| Ambient temperature range | -30 °C - +45 °C |
| IP/IK rating | IP65 / IK07 |
| Lifetime | 60,000 h |
| Connection | 2 x 2.5 qm ² |

Mechanical parameters

| MODEL NAME | E-CORE LED ROADLIGHT 9000 |
|-----------------------------|---|
| Mounting type | Side or Top mounting for 60 mm pole |
| Material | Housing: aluminium diecast, corrosion-resistant, coated Seal: silicone, heat resistant |
| Optical cover | Flat glass |
| Colour | Silver gray satin |
| Recommended mounting height | 8 - 10 m |
| Standard inclination | 0° |
| Inclination range | 0° - 15° |
| Windage area | 0.12 m ² (lateral), 0.07 m ² (frontal) |
| Weight | 10.0 kg |

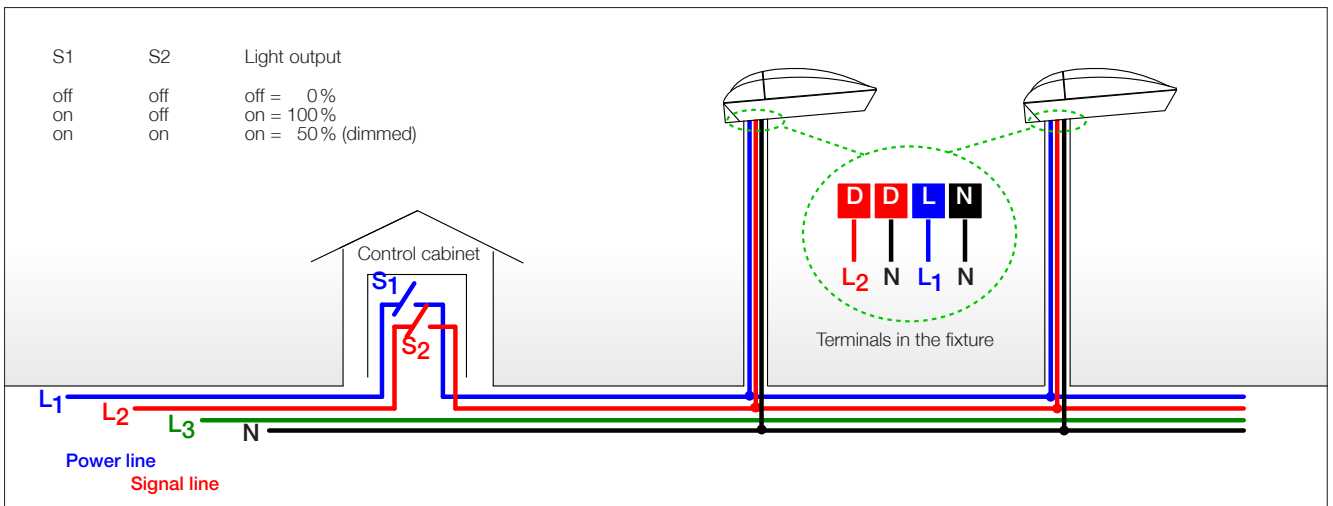
Drawings



Step-Dimming to 50 %

The E-CORE LED ROADLIGHT 9000 offers an easy to use Step-dimming to 50 % power reduction. The dimming is controlled by phase and switches into the dimming modus if 230 V are applied on the dimming interface (Terminals marked with DD).

On request Toshiba can provide Power Line Communication solution based on components by Landis+Gyr. Please contact your sales representative for further information.



Logistic data

| PRODUCT CODE | EAN CODE | DESCRIPTION | SIZE OF PACKAGING (mm) L x H x W | GROSS WEIGHT (Kg) |
|----------------|---------------|-----------------------|----------------------------------|-------------------|
| LEDEUW00003L50 | 4974550446730 | E-CORE ROADLIGHT 9000 | 665 x 225 x 465 | 13.0 |

www.toshiba.eu/lighting