TAKTON lighting

OUTDOOR · STREET LIGHTING

# DKS552/553
## RONDO

Cost-effective LED street luminaire for roads, residential streets, parking areas and other public spaces.

| 27–65 W | 4100–9100 | 140–152 | IP66 | IK09 | 100 000 h |
|---|---|---|---|---|---|
| POWER | LM SYSTEM FLUX | LM/W EFFICACY | INGRESS | IMPACT | L90B10 |

PRODUCT FAMILY

# DKS552/553 RONDO

RONDO is a cost-effective LED street luminaire designed for roads, residential streets, parking areas and other public spaces. Its compact die-cast aluminium housing combines low initial investment with reliable outdoor performance. Despite its economical positioning, RONDO is built with high-quality components from proven manufacturers, including OSRAM LEDs, a Philips Xitanium outdoor driver and low-ageing LEDIL PMMA optics. IP66 protection, extra-clear toughened glass and 6/10 kV surge protection ensure dependable operation and a long service life in demanding outdoor conditions.

### KEY FEATURES

1. Compact die-cast aluminium housing
2. OSRAM LEDs, Philips Xitanium outdoor driver
3. Low-ageing LEDIL PMMA optics
4. IP66, IK09, extra-clear toughened glass
5. 6/10 kV surge protection
6. 100 000 h L90B10, 5-year warranty

### TYPICAL APPLICATIONS

| | | | |
|---|---|---|---|
| Roads | Residential streets | Parking areas | Public spaces |

### TWO HOUSING SIZES

**DKS553**
645 mm · 7300–9100 lm

**DKS552**
530 mm · 4100–5200 lm

LED module with LEDIL PMMA lenses behind tempered flat glass.

Slim profile. Post-top or side-entry mounting.

Powder-coated die-cast aluminium housing, RAL7005.

TECHNICAL DATA

# Common to all four articles

Values that differ by article (flux, power, beam spread, driver data, dimensions, weight) are listed on page 4.

## ELECTRICAL

| | |
|---|---|
| Nominal supply voltage | 230 (220–240) V AC |
| Supply voltage range | 198–264 V AC |
| Supply frequency | 50–60 Hz |
| Protection class | I |
| Surge protection | 6/10 kV |
| Total harmonic distortion (THDi) | 6.50 % |
| Driver type | Philips Xitanium |
| Number of gear units | 1 pcs |

## PHOTOMETRIC

| | |
|---|---|
| Correlated colour temperature | 4000 K |
| Colour rendering index Ra | ≥70 (init. tolerance ±3) |
| Light distribution | Asymmetric |
| Optic type | Asymmetrical street |
| Upward light output ratio (ULOR) | 0 |
| Photobiological safety class | RG1 |
| Flicker PstLM / SVM | ≤ 0.26 / ≤ 0.07 |
| Colour consistency (SDCM) | < 3 MacAdam steps |
| Luminous flux tolerance | ±5 % |

## PROTECTION & ENVIRONMENT

| | |
|---|---|
| IP rating — enclosure | IP66 |
| Impact resistance | IK09 |
| Operating temperature | −40 … +35 °C |
| Storage temperature | −40 … +65 °C |
| Glow-wire test | 650 °C / 5 s |

## CONSTRUCTION & MATERIALS

| | |
|---|---|
| Luminaire type | Street |
| Light source | LED, integrated, replaceable |
| Housing material | Aluminium alloy |
| Housing coating | Powder coating |
| Housing colour | RAL7005 |
| Optic material | PMMA |
| Optical cover | Tempered flat glass |
| Mounting type | Post-top, side-entry |

## CONTROL & DIMMING

| | |
|---|---|
| Control protocol | On/off, not dimmable |
| Auto-dimming (chronoSTEP) | No |
| Motion / presence sensor | On request |
| Daylight sensor | On request |
| Constant Light Output (CLO) | Available on request |
| ZHAGA / NEMA socket compatibility | Yes |

## RELIABILITY & LIFETIME

| | |
|---|---|
| Light source lifetime | 100 000 h L90B10 |
| Lumen maintenance @ 50 000 h | L95B5 |
| Gear failure rate @ 50 000 h | 5 % |
| Gear failure rate @ 100 000 h | 10 % |
| Maximum case temperature Tc | 75 °C |

## CERTIFICATIONS & STANDARDS

| | |
|---|---|
| Warranty period | 5 years |
| CE / UKCA marking | Yes / Yes |
| ENEC / ENEC+ mark | No / No |
| D4i certified (DALI) | No |
| EU RoHS compliant | Yes |
| Light source energy efficiency class | C |
| Applicable standard | EN IEC 62722-2-1:2023 |

RANGE AND ORDERING

# Four articles, two housing sizes

| | DKS552 | DKS552 | DKS553 | DKS553 |
|---|---|---|---|---|
| ARTICLE NUMBER | **600151422114** | **600151422115** | **600151422110** | **600151422113** |
| DESIGNATION | DKS552 4100LM 27W 740 I WB1D C0 | DKS552 5200LM 37W 740 I WB1D C0 | DKS553 7300LM 50W 740 I NB1D C0 | DKS553 9100LM 65W 740 I NB1D C0 |
| Luminous flux — system | **4100 lm** | **5200 lm** | **7300 lm** | **9100 lm** |
| Luminous flux — LED module | 4800 lm | 6100 lm | 8500 lm | 10 600 lm |
| Rated input power | **27 W** | **37 W** | **50 W** | **65 W** |
| Luminous efficacy — system | **152 lm/W** | **141 lm/W** | **146 lm/W** | **140 lm/W** |
| Beam spread | Wide beam | Wide beam | Narrow beam | Narrow beam |
| Power factor (PF) | 0.99 | 0.99 | 0.98 | 0.98 |
| Driver efficiency at nominal load | 90 % | 90 % | 91 % | 91 % |
| Inrush current / time | 18.7 A / 195 µs | 18.7 A / 195 µs | 45 A / 270 µs | 45 A / 270 µs |
| Luminaires on MCB 16 A type B | < 32 | < 32 | < 10 | < 10 |
| Number of light sources | 1 pcs | 1 pcs | 3 pcs | 3 pcs |
| Overall dimensions L × W × H | 530 (410) × 240 × 76 mm | 530 (410) × 240 × 76 mm | 645 (525) × 264 × 76 mm | 645 (525) × 264 × 76 mm |
| Weight (net) | 4.9 kg | 4.9 kg | 6.5 kg | 6.5 kg |
| Effective projected area | 0.02 $m^2$ | 0.02 $m^2$ | 0.03 $m^2$ | 0.03 $m^2$ |
| Windage area, side / below | 0.031 / 0.099 $m^2$ | 0.031 / 0.099 $m^2$ | 0.040 / 0.138 $m^2$ | 0.040 / 0.138 $m^2$ |

All articles: 4000 K, CRI ≥70, asymmetric street optic, protection class I, IP66, IK09, RAL7005. Length in brackets excludes the spigot. Data subject to change without notice.

**DOCUMENTS**

Installation instructions are available at takton.ee. LDT photometric files are preliminary, derived data and are available on request. Sensors and Constant Light Output are available on request.

**CONTACT**

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### Which mounting height and road class are you planning for?