DKS552/553 DKS552 4100LM 27W 740 I WB1D C0

Asymmetric · 4000K · IP66 · IK09 · RAL7005



APPLICATION

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.

4100 lm	27 W	152 lm/W	4000K	≥70	IP66	IK09	100 000 h
SYSTEM FLUX	INPUT POWER	EFFICACY	CCT	CRI	INGRESS	IMPACT	L90B10

ELECTRICAL PARAMETERS

Nominal supply voltage	**230 (220–240) V AC**	Supply voltage range	**198–264 V AC**
Type of supply current	**AC**	Supply frequency	**50–60 Hz**
Rated input power	**27W**	Power factor (PF)	**0.99**
Driver efficiency at nominal load	**90%**	Total harmonic distortion (THDi)	**6.50%**
Protection class (electric shock)	**I**	Surge protection (CM / DM)	**6/10 kV**
Inrush current / time	**18.7A/195µs**	Driver type	**Philips Xitanium**
Number of luminaires on MCB 16A type B	**<32**		

PHOTOMETRIC PARAMETERS

Luminous flux — system	**4100lm**	Luminous flux — LED module	**4800lm**
Luminous efficacy — system	**152lm/W**	Correlated colour temperature (CCT)	**4000K**
Colour rendering index Ra (CRI)	**≥70**	Init. CRI tolerance	**±3**
Light distribution type	**Asymmetric**	Luminaire beam spread	**Wide beam**
Optic type	**Asymmetrical street**	Light output ratio (LOR)	**0.87**
Photobiological safety class	**RG1**	Flicker — Output PstLM / SVM	**≤ 0.26 / ≤ 0.07**
Colour consistency (SDCM)	**< 3 MacAdam steps**	Upward light output ratio (ULOR)	**0**
Luminous flux tolerance	**±5 %**		

CONSTRUCTION & MATERIALS

Luminaire type	**Street**	Light source type	**LED**
Light source replaceable	**yes**	Cap / base type	**Integrated**
Housing material	**Aluminium alloy**	Reflector material	**N/A**
Housing coating	**Powder coating**	Optic material	**PMMA**
Optical cover material	**Tempered flat glass**	Housing colour (RAL)	**RAL7005**
Mounting type	**Post-top, side-entry**	Cutout size	**N/A**
Overall dimensions (H × W × L)	**530(410)x240x76**	Weight (net)	**4.9kg**
Effective projected area	**0.02**	Windage projection area (side / below)	**0,031 sq.m/ 0,099 sq.m**
Number of light sources	**1 pcs**	Number of gear units	**1 pcs**

PROTECTION & ENVIRONMENT

IP rating — enclosure	**IP66**	Impact resistance class IK	**IK09**
Operating temperature range	**-40...+35 °C**	Storage temperature range	**-40...+65 °C**
Glow-wire test	**650 °C / 5 s**	Relative humidity (max)	**N/A**

CONTROL & DIMMING

Dimmable	**No**	Control protocol / interface	**on/off**
Dimming range	**N/A**	Auto-dimming (chronoSTEP)	**No**
Built-in motion / presence sensor	**On request**	Built-in daylight sensor	**On request**
LED lumen maintenance compensation (CLO)	**Available, On request**	ZHAGA / NEMA socket compatibility	**Yes**

RELIABILITY & LIFETIME

Constant Light Output (CLO)	**Available, On request**	Light source lifetime	**100000@L90 B10h**
Lumen maintenance @ 50 000 h	**L95B5**	Lumen maintenance @ 100 000 h	**L90 B10**
Control gear failure rate @ 50 000 h	**5 %**	Control gear failure rate @ 100 000 h	**10%**
Maximum case temperature Tc	**75°C**		

CERTIFICATIONS

Warranty period	**5 years**	CE marking	**Yes**
ENEC mark	**No**	ENEC+ mark	**No**
UKCA marking	**Yes**	D4i certified (DALI)	**No**
EU RoHS compliant	**Yes**	Light source energy efficiency class	**C**

STANDARDS & SUSTAINABILITY

Applicable standard	**EN-IEC 62722-2-2**	ETIM Class	**EC000062**
D-Mark (EN 60598-2-24)	**Not determined**	Non-virgin material ratio	**Not determined**
Sustainability rating	**Not determined**	EAN / UPC	**Not determined**
Application areas	**Streets, city centres, yards and squares.**		

Environmental data. Embedded carbon, recyclable content and sustainability ratings are provided per article where determined.

Documents. Photometric files (IES / LDT) and installation instructions are available at takton.ee.