

Length **645 mm****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.

7300 lm SYSTEM FLUX	50 W INPUT POWER	146 lm/W EFFICACY	4000K CCT	≥70 CRI	IP66 INGRESS	IK09 IMPACT	100 000 h L90B10
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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	50W	Power factor (PF)	0.98
Driver efficiency at nominal load	91%	Total harmonic distortion (THDi)	6.50%
Protection class (electric shock)	I	Surge protection (CM / DM)	6/10 kV
Inrush current / time	45A/270µs	Driver type	Philips Xitanium
Number of luminaires on MCB 16A type B	<10		

PHOTOMETRIC PARAMETERS

Luminous flux — system	7300lm	Luminous flux — LED module	8500lm
Luminous efficacy — system	146lm/W	Correlated colour temperature (CCT)	4000K
Colour rendering index Ra (CRI)	≥70	Init. CRI tolerance	±3
Light distribution type	Asymmetric	Luminaire beam spread	Narrow 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	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)	645(525)x264x76
Weight (net)	6.5kg	Effective projected area	0.03
Windage projection area (side / below)	0,040 sq.m/ 0,138 sq.m	Number of light sources	3 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	Not determined
Recyclable content ratio	Not determined	Non-virgin material ratio	Not determined
Sustainability rating	Not determined	EAN / UPC	Not determined

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.