

# RONDO Low Voltage

TAKTON



## Benefits:

- Slim, attractive design.
- The highest quality LED components of proven manufacturers and reliable technical design ensures high-quality lighting and long lifetime.
- Selection of light distributions for roads and area lighting
- Low ageing PMMA lenses by LEDIL
- Low initial investments
- 12/24VDC input lets to work with **solar** panels and accumulators.



TYPE	<b>Product type</b> RONDO Low Voltage
ELECTRICAL PARAMETERS	<b>Driver efficiency nominal</b> up to 0.92 <b>Driver failure ratio</b> < 10% at 50000 or 100000 hours depends on type <b>Driver type</b> Built in PHILIPS Xitanium Outdoor driver <b>Electrical isolation class IEC</b> Safety class II <b>Mains voltage index</b> n/a <b>Nominal input voltage range</b> 12-24V DC <b>Power factor nominal</b> n/a <b>Power range</b> 8-24W depending on type <b>Surge protection</b> n/a
LIGHTING PERFORMANCE	<b>CCT</b> 3000K, 4000K <b>Color rendering index, CRI</b> > 70 <b>Initial color shift, SDCM</b> < 5 <b>Light distribution</b> Asymmetric for roads, areas, walkways, pedestrian crossings and other types on request <b>Light source</b> Modules with OSRAM OS LED chips <b>LOR</b> up to 0,94 <b>Luminaire lumen output range, lm</b> 1200-3600 <b>Photobiological safety</b> RG1 <b>Type of optic</b> Low ageing PMMA lenses by LEDIL

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**CONSTRUCTION  
AND  
MATERIALS**

**Dimensions LxWxH**  
345x195x83

**Effective protected area**  
-0.02

**Housing colour**  
RAL 7035

**Housing material**  
Housing: high-pressure, die-cast aluminium powder coated, no plastic parts

**Impact resistance**  
IK08

**Ingress protection**  
IP65

**Installation options**  
Side entry or top installation 40-60mm without regulation

**Optical cover**  
Extra clear toughened flat glass

**Windage area**  
no more 0,067sq.m above/below and 0,028sq.m side position

**OPERATION  
AND  
MAINTENANCE**

**Electrical connection**  
0,4m cable as standard or 5...8m cable as other options on request

**Maintenance**  
Opening with **screwdriver**, LED modules are non-replaceable and can be replaced by manufacturer only

**Maintenance of lumen output**  
100000 hours – L90B10

**Operating temperature range**  
-40...+35 C, typical for exact values

**Application**

- Urban road and streets
- Residential roads and paths
- Pedestrian crossroad

**MARKING  
AND  
APPROVALS**

**CE mark**  
CE mark

**ROHS mark**  
ROHS mark

**PRODUCT FAMILY RANGE**

Ordering Code	Type	Power consumption, W	Flux,lm	Efficacy Lm/W	Efficacy Lm/W
600151422101	DKS 552 LED012 8W 740 I NB2 48-60 IC0	8	1200	150	3.2
600151422201	DKS 552 LED011 8W 730 I NB2 48-60 IC0	8	1100	142	3.2
600151422102	DKS 552 LED012 8W 740 I WB1 48-60 IC0	8	1200	150	3.2
600151422202	DKS 552 LED011 8W 730 I WB1 48-60 IC0	8	1100	142	3.2

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## PRODUCT FAMILY RANGE

Ordering Code	Type	Power consumption, W	Flux,lm	Efficacy Lm/W	Efficacy Lm/W
600151422103	DKS 552 LED018 12W 740 I NB2 48-60 IC0	12	1800	150	3.2
600151422203	DKS 552 LED017 12W 730 I NB2 48-60 IC0	12	1700	142	3.2
600151422104	DKS 552 LED018 12W 740 I WB1 48-60 IC0	12	1800	150	3.2
600151422204	DKS 552 LED017 12W 730 I WB1 48-60 IC0	12	1700	142	3.2
600151422105	DKS 552 LED036 24W 740 I NB2 48-60 IC0	24	3600	150	3.2
600151422205	DKS 552 LED034 24W 730 I NB2 48-60 IC0	24	3400	142	3.2
600151422106	DKS 552 LED036 24W 740 I WB1 48-60 IC0	24	3600	150	3.2
600151422206	DKS 552 LED034 24W 730 I WB1 48-60 IC0	24	3400	142	3.2