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 Sun panels and accumulators.

TYPE	**Product type:** RONDO DKS552
ELECTRICAL PARAMETERS	**Driver efficiency nominal:** up to 0.95 **Driver failure ratio:** < 10% at 50000 or 100000 hours depends on type **Driver type:** Mean Well DC-DC Constant current LED Driver **Electrical isolation class IEC:** Safety class II **Input Frequency:** n/a **LED current ripple %:** n/a **Mains voltage index:** n/a **Nominal input voltage range:** 12-24V DC **Power factor nominal:** n/a **Power range:** 8-24W depending on type **Surge protection:** n/a

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LIGHTING PERFORMANCE

CCT:
3000K, 4000K

Color rendering index, CRI:
> 70

Initial color shift, SDCM:
< 5

Light distribution:
Asymmetric for roads, areas, walkways, pedestrian crossings and other types on request

Light source:
Modules with OSRAM OS LED chips

LOR:
up to 0,94

Luminaire lumen output range, lm:
1200-3600

Photobiological safety:
RG1

Type of optic:
Low ageing PMMA lenses

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

Ingress protection:
IP66

Installation options:
Side entry 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

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OPERATION AND MAINTENANCE

Electrical connection:

0,4m cable as standard or 5….8m cable as other options on request

Maintenance:

Opening with screw, 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 marked

ROHS mark:

ROHS complaint

PRODUCT FAMILY RANGE

Code	Type	Power, W	Initial luminous flux, Lm	Efficacy Lm/W	Weight kg
600151422101	DKS 552 LED012 8W 740 I NB2 12/24V DC 48-60 IC0	8	1200	150	3,2
600151422201	DKS 552 LED011 8W 730 I NB2 12/24V DC 48-60 IC0	8	1100	142	3,2
600151422102	DKS 552 LED012 8W 740 I WB1 12/24V DC 48-60 IC0	8	1200	150	3,2
600151422202	DKS 552 LED011 8W 730 I WB1 12/24V DC 48-60 IC0	8	1100	142	3,2
600151422103	DKS 552 LED018 12W 740 I NB2 12/24V DC 48-60 IC0	12	1800	150	3,2
600151422203	DKS 552 LED017 12W 730 I NB2 12/24V DC 48-60 IC0	12	1700	142	3,2
600151422104	DKS 552 LED018 12W 740 I WB1 12/24V DC 48-60 IC0	12	1800	150	3,2

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600151422204	DKS 552 LED017 12W 730 I WB1 12/24V DC 48-60 IC0	12	1700	142	3,2
600151422105	DKS 552 LED036 24W 740 I NB2 12/24V DC 48-60 IC0	24	3600	150	3,2
600151422205	DKS 552 LED034 24W 730 I NB2 12/24V DC 48-60 IC0	24	3400	142	3,2
600151422106	DKS 552 LED036 24W 740 I WB1 12/24V DC 48-60 IC0	24	3600	150	3,2
600151422206	DKS 552 LED034 24W 730 I WB1 12/24V DC 48-60 IC0	24	3400	142	3,2