

MALMÖ

TAKTON



Benefits:

- Long life ceramic package LED chips by OSRAM – CCT 3000/4000/5700K @ CRI >70 , service lifetime >100000hrs ;
- Modest modern design of MALMÖ luminaire fits well in diversified and demanding city environment. Selection of different size housings in combination with a range of high-performance optics and light color temperatures satisfies all demands for city street lighting.
- 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

TYPE

Product type:

MALMÖ MINI DKS 674, MALMÖ
MIDI DKS 675

ELECTRICAL PARAMETERS

Driver efficiency nominal:

up to 0.92

Driver failure ratio:

< 10% at 50000 or 100000 hours
depends on type

Driver type:

Built in PHILIPS Xitanium Outdoor driver

Electrical isolation class IEC:

Safety class I as a standard, II on request

Input Frequency:

50-60 Hz

LED current ripple %:

230 – 240 V / 50 – 60 Hz

Mains voltage index:

230 – 240 V / 50 – 60 Hz

Nominal input voltage range:

202..254 or 198...264, depends on type

Power factor nominal:

up to 0.98

Power range:

18-150W depending on type

Surge protection:

4/6 kV as a standard, up to 12kV on request

LIGHTING PERFORMANCE

CCT:

1800K, 2200K, 2700K, 3000K,
4000K, 5700K

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 long life
ceramic package LED chips with
silicone lens diodes

LOR:

up to 0,86

Luminaire lumen output range, lm:

Up to 20000 Lm depending on type

Photobiological safety:

RG1

Type of optic:

Low ageing PMMA lenses

CONSTRUCTION AND MATERIALS

Dimensions LxWxH:

- DKS674 - 530(410)x240x76
- DKS675 - 645(525)x264x76

Effective protected area:

- DKS674 -0.02
- DKS675 – 0.03

Housing colour:

RAL 7035 - light grey or DB703 - antrazite

Housing material:

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

Ingress protection:

IP66

Installation options:

Post top or side entry installation 40-60mm, 76 mm with tilt regulation 0/5/10/15 dgr

Optical cover:

Extra clear toughened flat glass

Windage area:

- DKS674 above/below no more 0,099 sq.m
side position no more 0,031 sq.m
- DKS675 above/below no more 0,138 sq.m
side position no more 0,040 sq.m

OPERATION AND MAINTENANCE

Electrical connection:

0.4m cable as standard or 5....15m 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

EOC	Description	Power consumption, W	Flux,LM	Efficacy LM/W	Weght,kg
600151401201	DKS674 2500LM 18W 740 I NB2 IC0	18	2500	139	4,9
600151401284	DKS674 3700LM 27W 740 I NB2 IC0	27	3700	137	4,9
600151401369	DKS674 5000LM 36W 740 I NB2 IC0	36	5000	139	4,9
600151401168	DKS674 7500LM 54W 740 I NB2 IC0	54	7500	139	4,9
600151401251	DKS675 11000LM 80W 740 I NB2 IC0	80	11000	138	6,5
600151401085	DKS675 14500LM 103W 740 I NB2 IC0	103	14500	141	6,5
600151401009	DKS675 16000lm 120W 740 I NB2 IC0	120	16000	133	6,5
600151421301	DKS675 20000lm 150W 740 I NB2 IC0	150	20000	133	6,5