

Technical Datasheet

street led luminaire DKS274

street led luminaire:
DKS274 LED110 82W 740 I MW1D

Product code:
600151401161



CONSTRUCTION AND MATERIALS

Body Material:
die-cast aluminium, powder coated, no plastic parts

Body Colour:
grey

Optical Cover:
chemically resistant toughened flat glass with UV cut

Environment protection code, IP:
IP66

Impact Resistance code IK:
IK08

Dimensions LxWxH:
530(410)x240x83 mm

Weight:
4.5 kg

Installation:
post top or side entry installation Ø40±60 with tilt regulation 0°, ± (5/10/15)°

Windage projection area:
≤ 0.04 sqm

Options on request:
RAL colors, PC cover for higher IK

LIGHT SOURCE

Light Source:
Standard size LED modules with long life OSRAM LED chips with LEDIL low ageing PMMA lenses, replaceable

Light source Initial luminous flux:
13365

Luminaire Initial luminous flux after optic losses, lm:
11160

Luminaire efficacy, lm/W
136.1

Light Distribution:
asymmetric for M class roads

Optics light output ratio:
> 0.9

Light Beam Spread:
Asymmetric

Upward light output ratio:
0 %

Corr. Color Temp. CCT, K:
4000

Color Rend. Index CRI:
>70

Service Lifetime:
>100000 st. @L90B10

Photobiological risk group:
GR1 @ >1m

Color consistency, SDCM:
< 5 (±100K)

Light output flicker (in acc. to IEE 1789), %:
≤ 30 (LF & HF)

Light source marking:
CE, ENEC

ELECTRICAL PARAMETERS

Type of Electronic Module:
Built in Outdoor Programmable

Nominal input voltage, VAC:
220...240

Operational voltage, VAC:
200...260

Input Frequency:
47÷63 Hz

Nominal input power, W:
82

Isolation Class:
I (I)

Power Factor nom.:
≥ 0.98

Driver Efficiency nom.:
≥ 0.92

LED Current, mA:
525

Control Interface:
N/A

Dimming options:
N/A

Surge capability Common Mode/Differential Mode, kV:
≥ 6 / 4

Driver marking:
CE, ENEC

SERVICE AND MAINTENANCE

Operational Temperature Range:
-40°C ÷ +45°C

Input power tolerance:
± 7%

Luminous flux tolerance:
± 7%

Serviceability:
no glue construction, all parts replaceable

Driver Lifetime, hrs:
100000 @10% failures

Electrical connection:
cable 0.4m with IP68 connector or internal push-in terminals 2.5mm²

Manufacturer Warranty:
5 years from the date of purchase

MARKING AND APPROVALS

CE Mark:
CE marked

ROHS:
ROHS compliant

Light Distribution:

