

# Technical Datasheet

## street led luminaire DKS274

street led luminaire:  
DKS274 LED075 54W 740 I MW1D

Product code:  
600151401206



### 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:  
9040

Luminaire Initial luminous flux after optic losses, lm:  
7500

Luminaire efficacy, lm/W  
138.9

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 Philips Xitanium Outdoor

Nominal input voltage, VAC:  
220...240

Operational voltage, VAC:  
200...260

Input Frequency:  
47÷63 Hz

Nominal input power, W:  
54

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 Failure ratio, %:  
< 1 @ 5000hrs

Electrical connection:  
cable 0.4m with IP68 connector or internal push-in terminals 2.5mm<sup>2</sup>

Manufacturer Warranty:  
5 years from the date of purchase

## MARKING AND APPROVALS

CE Mark:  
CE marked

ROHS:  
ROHS compliant

## Light Distribution:

