



# Heritage LED retrofit kit

## EDP768 LED50/830 II MK-BK DM50 FG SRG10

EDP768 | Villa LED retrofit kit - LED50 | LED module 5000 lm - LED - 830 warm white - Power supply unit - 220 to 240 V - 50 to 60 Hz - Safety class II - Distribution medium 50 - Mask black - Flat glass - Surge protection level until 10 kV differential mode - Cable 0.5 m with cable connector - -

Specially designed for conventional luminaires and first generation LED variants, our IP66 heritage LED retrofit kit delivers several powerful advantages: existing installations become more energy-efficient, and safer, with a more reliable enclosure rating (IP66). In addition, the historical or traditional aesthetic of the luminaire is completely preserved. Thanks to its dedicated passe-partouts range, the heritage LED kit enables a quick and easy retrofit in our conventional (or LED) Villa, Jargeau, Micenas 1 and 2 luminaires while a universal and adjustable passe-partout completes the range and enables retrofit in most of other types of squarish luminaires, including non-Philips luminaires. The heritage LED retrofit kit comes with a wide range of application-tailored optics, enabling point-to-point replacement of conventional light sources. Its high-performing Philips Ledgine optimized LED platform enables significant cost savings compared to conventional street lighting, and offers a short payback period. The heritage LED retrofit kit offers a large choice of standard warm color temperatures, this helps ensure that the installation retains the warm atmosphere of sodium lamps. The heritage LED retrofit kit is designed for customers looking for ways to cut their energy and maintenance costs with an easy-to-install solution while preserving the historical aesthetic of their installations. It also makes luminaires ready for future upgrades.

# Heritage LED retrofit kit

## Warnings and Safety

- With the exception of integration of this product in Philips Jargeau, Villa or Micenas 1 luminaire, conventional or LED variants, Signify N.V. cannot accept any liability with regards to the mechanical fixation of this product into any other luminaire or on/in any other mounting construction, and to all fixation related aspects. It is the sole responsibility of the customer to ensure that this product is mounted and fixed in a safe and reliable manner.

## Product data

General Information	
Lamp family code	LED50 [LED module 5000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	EDP768 [Villa LED retrofit kit]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC plus mark
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0.01
Luminous Flux	3,500 lumen
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	92 lm/W
Color rendering index (CRI)	≥80
Light source color	830 warm white
Optical cover/lens type	Flat glass
Luminaire light beam spread	30° - 5° x 153°
Optic type outdoor	Distribution medium 50
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Voltage	220 to 240 V
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	38 W
Power Factor (Fraction)	0.97
Connection	External connector
Cable	Cable 0.5 m with cable connector
Number of products on MCB of 16 A type B	11

Temperature	
Ambient temperature range	-40 to +50 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Glass
Fixation material	Aluminum
Housing Color	Black
Mounting device	-
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	364 mm
Overall width	364 mm
Overall height	77 mm
Effective projected area	0 m <sup>2</sup>
Dimensions (Height x Width x Depth)	77 x 364 x 364 mm
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential mode
Sustainability rating	-
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.433, 0.403) SDCM <5
Luminous flux tolerance	+/-7%
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

# Heritage LED retrofit kit

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 10 %  
100000 h

Lumen maintenance at median useful life\* L97  
100000 h

## Application Conditions

Maximum dim level Not applicable

Performance ambient temperature Tq 25 °C

## Product Data

Full product code 871951422129100

Order product name EDP768 LED50/830 II MK-BK DM50 FG  
SRG10

Order code 912300024906

Numerator - Quantity Per Pack 1

Numerator - Packs per outer box 1

Material Nr. (12NC) 912300024906

Full product name EDP768 LED50/830 II MK-BK DM50 FG  
SRG10

EAN/UPC - Case 8719514221291

EAN/UPC - Product/Case 8719514221291

## Dimensional drawing

