



# Heritage LED retrofit kit

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

Heritage LED retrofit kit, 38 W, 3700 lm, 3000 K, CRI80, Distribution medium 50, Safety class II, IP66, SRG10-10

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 of many manufacturers. 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 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.

### Warnings and Safety

- With the exception of integration of this product in 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.

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## 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
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years

Light Technical	
Upward light output ratio	0.01
Luminous Flux	3,700 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	97 lm/W
Color rendering index (CRI)	80
Light source color	830 warm white
Luminaire light beam spread	30° - 5° x 153°
Optic type outdoor	Distribution medium 50
Effective projected area	0 m²

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
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
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential mode and 10 kV common mode

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Black

Mounting device	-
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	364 mm
Overall width	364 mm
Overall height	77 mm
Dimensions (Height x Width x Depth)	77 x 364 x 364 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Optical cover type	Flat glass
Net Weight (Piece)	3.610 kg

Approval and Application	
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC plus mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Ambient temperature range	-40 to +50 °C

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.433, 0.403) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM<5

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L97

Sustainability Data	
Sustainability rating	Unclassified
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.

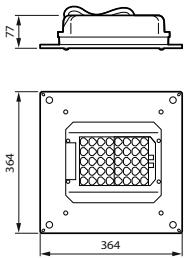
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## Product Data

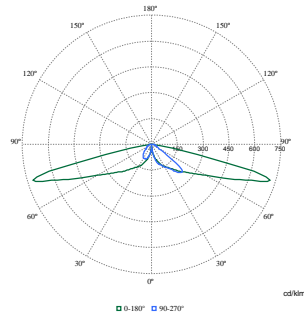
Order product name	EDP768 LED50/830 II MK-WH DM50 FG SRG10
Full product name	EDP768 LED50/830 II MK-WH DM50 FG SRG10
Full product code	871951422135200
Order code	912300024912
Material Nr. (12NC)	912300024912

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514221352
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514221352
Product family code	EDP768 [Villa LED retrofit kit]

## Dimensional drawing



## Photometric data



Polar Normal (separate) - EDP768I - 912300024912

