

General safety information

- Installation / maintenance and work on the electrical power supply should only be carried out by qualified electricians (electrical installers or specialist personnel) in accordance with electrical engineering regulations.
- Access to the power supply must always be closed. Access is only permitted by authorised personnel.
- When working on live parts these must be switched free of voltage and protected against unintentional reactivation.
- Only use original components for maintenance and repair. Ensure that all protective equipment is reassembled.
- If subsequent modifications to luminaires are implemented then the person modifying is considered to be the manufacturer.

Guarantee and liability

The "General Conditions of Sales and Delivery" of the company of Laternix fundamentally apply. Any guarantee and liability claims are excluded if these are due to one or more of the following causes:

- Use not according to the intended purpose
- Incorrect installation or use and damage resulting from this
- Failure to observe safety information, regulations and installation instructions
- Subsequent structural changes to buildings
- Operation with defective or non-functional safety or protective equipment
- Maintenance and repair work conducted in an unsuitable manner
- Catastrophes, influence of foreign bodies and force majeure

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Further manufacturer specifications

Please consult the included manual of the specific manufacturer for more information about corresponding components.

Note

Photos and illustrations within this document are used for showcase purpose. In practice details might be different.

Notes:



Laternix®

LEDiKIT® Streetlight LA.10 - 2x2 / 3x2 / 4x2

LED conversion kit suitable for luminaire types: Hess Sarius (Sirius) 600

Order code: 140.xxxx.10

Installation / operating instructions



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Technical data

Suitable for conversion of luminaires equipped with HID	
HSE/HIE: 50W / 70W / 100W ->	Type: 2x2 / 3x2 / 4x2
Rated voltage	220-240V AC 50Hz
Rated current	0.2A / 0.3A / 0.4A
Rated power	22..32W / 36..42W / 48..54W
Power factor	>0.9
Protection class	II
Rated voltage LED module	<120V, SELV
Light distribution	various
Luminous flux [klm]	3.0/ 4.4 / 6.4
Light colour / CCT	WW 3.000K / NW 4.000K
Colour rendering (CRI)	>80
Dimensions [mm]	L=350 B=190 H=100
Weight	1.6kg
Ambient temperature	-35...+35°C
IP rating	IP20
Conformity	CE
Rated life [h]	>60.000
Special features	PROFESSIONAL
TempSafe (TS)	Over-temperature protection
Constant Flux (CF)	Constant light output over rated life
AutomaticDimControl (ADC)	
By firmware setting programming adapter and PC Software required	
Available with various light control optics. For selection pls. refer to catalog.	

List of materials



LED Upgrade kit assembly

AutomaticDimControl settings

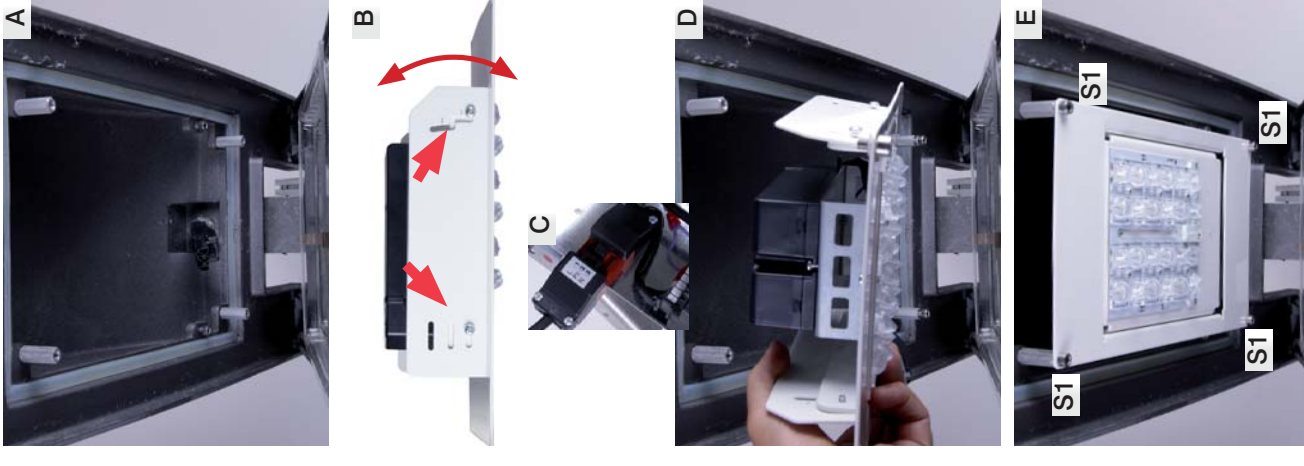
For this retrofit kit the following control feature(s) have been implemented:

- AstroDIM
This feature allows for an autonomous dimming profile depending on the power on and off time of the control gear. In this mode the dimming profile is executed referenced to the half operating on time of the driver. It is assumed that there is a correlation between the half operating on time (virtual middle of the night) and midnight, expressed by the midnight shift. The virtual middle of the night is calculated based on the theoretical sunset (Power on) sunrise (Power off) and the Time Zone depending on the selected Location. It is assumed that the driver is powered-on at the theoretical sunset and powered-off at the theoretical sunrise. The average annual midnight shift is used to convert the time steps of the reference scheduler to time values reference to the half one time. Please refer to sticker for the AstroDIM parameters programmed into this module in the factory.
- ConstantFlux
- TempSafe

*AstroDIM and other features are subject to firmware programming of the driver, which is done in the factory and which requires a programming adapter device and a PC with the latest programming software installed. Please contact factory for any firmware re-programming requirements.

Installation connector system WIELAND ST18/3

Type of connector	SK1 with control phase	SK1 w/o control phase	SK1 w/o Steuerphase
Contact marking	T1 T2 S3	L N	L PE N
Belegung	L P St N	L N	L PE N
Coding female			
Coding male			



Retrofitting Procedure

- Process must only be carried out by authorised technicians.
- Disconnect the luminaire in the cable junction box and isolate from the power supply.
- (A) Open cover glass remove the lamp and then the reflector from the fixture by losing the 4 fixing screws S1. Reinstall two of the screws in the spacer bolts facing to the pole. Install the other 2 fixing screws in the holes located in the front end of the LED-module and reuse the plastic washer to prevent the screws falling off. Then remove the gear tray after disconnecting the plug connector.
- Clean luminaire interior and cover glass.
- Inspect the covers, sealing and wiring for wear or fractures and replace with original parts if required.
- Check whether the connector on the mains cable mates with the plug built into the LED module assembly. If not, replace the connector on the mains cable by the correct socket. (Pls. refer to WIELAND connector overview).
- (B) Adjust the tilt angle by sweeping the LED-module carrier bracket in order to assure plane - parallel orientation. Fix the angle by tightening the screws.
- (C) Plug the mains cable connector into the connector built into the LED module assembly.
- (D) Position LED module assembly with it's key holes centered in-line with the fixing screws S1.
- (E) Tighten the fixing screws S1.
- Re-install the cover glass.
- Connect luminaire to the mains and check for correct functionality.
- Label the conversion to LED in the luminaire or on the mast if required. Keep the installation instructions for subsequent maintenance purposes.

Note

In power supplies subject to frequent voltage peaks, implement relevant overvoltage protection if required.