



NLP LED 15 E 100-240 V

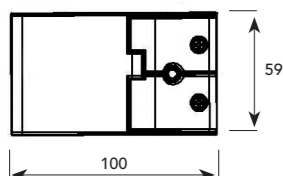
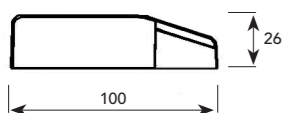
General information

Electronic control gear with SELV output for constant current LED fixtures. Classified as independent unit. Output current selectable, 350 or 500 or 700 mA. Overload and short-circuit protection. Screw clamp terminal blocks for connecting mains power cable and output cables, plastic housing with integrated strain reliefs.

Technical data

Mains (input) voltage	100-240 V
Total weight	0,25 kg
Form of protection	IP20, Class II
Rated current	0,08 A
Energy consumption	17,6 W
Frequency	50/60 Hz
Power factor	0,85
Tc value (max)	75 °C
Output type	Constant current for LED fixtures
Output voltage	10-30 VDC
Output current	350/500/700 mA
Output current ripple	< 20 mAp-p
Max number of gears	16 A, type C: 146 gears/fuse 10 A, type C: 91 gears/fuse

Art no (EU)	Description	Color
121-506	V 350 mA	Light grey
121-507	V 500 mA	Light grey
121-512	V 700 mA	Light grey



NLP LED 15 E 230 V



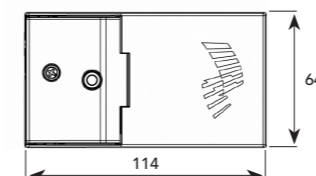
NLP LED 25 E 220-240 V

General information

Electronic control gear with SELV output for constant current LED fixtures. Classified as independent unit. Overload and short-circuit protection. Mains connection through C13 plug and interlocking quick connector on the output.

Technical data

Mains (input) voltage	220-240 V
Total weight	0,25 kg
Form of protection	IP20, Class I
Rated current	0,1 A
Energy consumption	22 W
Frequency	50/60 Hz
Power factor	>0,95
Tc value (max)	75 °C
Output type	Constant current for LED fixtures
Output voltage	20->43 VDC
Output current	200->500 mA
Output current ripple	<20 mAp-p
Max number of gears	10 A, type C: 73 gears/fuse 16 A, type C: 117 gears/fuse



NLP LED 25 E 220-240 V



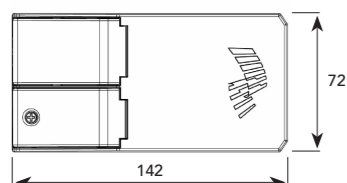
NLP LED 40 E 220-240 V

General information

Electronic control gear with SELV output for constant current LED fixtures. Classified as independent unit. Overload and short-circuit protection. Mains connection through poke in terminal for cable connection and interlocking quick connector on the output.

Technical data

Mains (input) voltage	220-240 V
Total weight	0,25 kg
Form of protection	IP20, Class I
Rated current	0,19 A
Energy consumption	44 W
Frequency	50/60 Hz
Power factor	>0,95
Tc value (max)	75 °C
Output type	Constant current for LED fixtures
Output voltage	20-→43 VDC
Output current	500-→1000 mA
Output current ripple	<20 mAp-p
Max number of gears	10 A, type C: 36 gears/fuse 16 A, type C: 58 gears/fuse



NLP LED 40 E 220-240 V



NLP LED 60 E 230 V

General information

Electronic control gear with SELV output for constant voltage LED fixtures. Classified as independent unit. Overload and short-circuit protection. LED indicator displays operating condition, green when the connected load is within the rated range, toggles to red when overloaded. Gear housing made of die-cast aluminium. Inlet socket for mains power cable. Output through coaxial power connector, mates with the Nordic Light range of constant voltage LED fixtures.

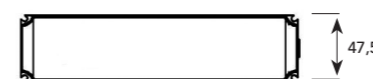
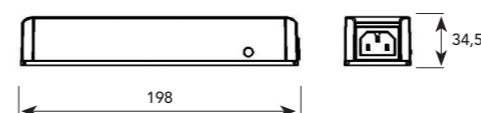
Technical data

Mains (input) voltage	220-240 V
Total weight	0,29 kg
Form of protection	IP20, class 1
Rated current	0,28 A
Energy consumption	61 W
Frequency	50/60 Hz
Power factor	0,95
Tc value (max)	70 °C
Output type	Constant voltage for LED fixtures
Output voltage	28 VDC
Output voltage ripple	< 1 Vp-p
Output current	Up to 2 A
Max number of gears	16 A, type C: 39 gears/fuse 10 A, type C: 24 gears/fuse

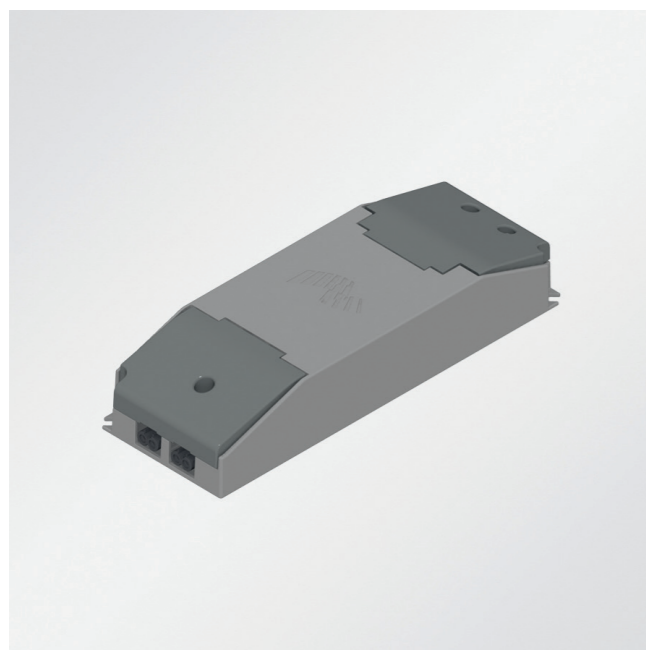
Art no (EU)
121-508

Description
NLP LED 60 E-230 V
Halogen free EU cable

Color
Dark grey



NLP LED 60 E 230V



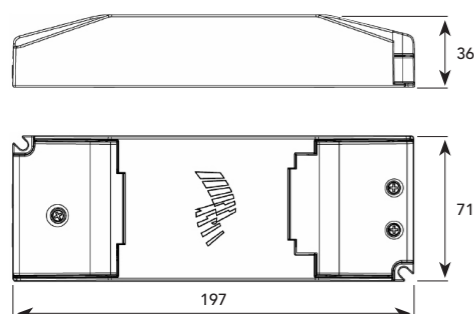
NLE LED 60 E 220-240 V

General information

Electronic control gear with SELV output for constant current LED fixtures. Classified as independent unit. Overload and short-circuit protection. Mains connection through poke in terminal for cable connection and dual interlocking quick connector on the output.

Technical data

Mains (input) voltage	220-240 V
Total weight	0,25 kg
Form of protection	IP20, Class I
Rated current	0,3 A
Energy consumption	70 W
Frequency	50/60 Hz
Power factor	>0,95
Tc value (max)	75 °C
Output type	Constant current LED fixtures
Output voltage	25->48 VDC
Output current	2x200->-900 mA
Output current ripple	<20 mAp-p
Max number of gears	10 A, type C: 23 gears/fuse 16 A, type C: 36 gears/fuse



NLE LED 60 E 220-240 V



NLP LED 120 E 230 V

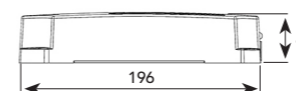
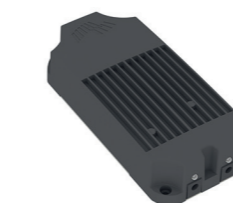
General information

Electronic control gear with SELV output for constant voltage LED fixtures. Classified as independent unit. Overload and short-circuit protection. LED indicator displays operating condition, green when the connected load is within the rated range, toggles to red when overloaded. Gear housing made of die-cast aluminium. Inlet socket for mains power cable. Output through coaxial power connectors, mates with the Nordic Light range of constant voltage LED fixtures.

Technical data

Mains (input) voltage	220-240 VAC
Total weight	0,84 kg
Form of protection	IP20, class 1
Rated current	0,53 A
Energy consumption	122 W
Frequency	50/60 Hz
Power factor	0,95
Tc value (max)	70 °C
Output type	Constant voltage for LED fixture
Output voltage	28 VDC
Output voltage ripple	< 1 Vp-p
Output current	Up to 2 A
Max number of gears	16 A, Type C: 22 gears 10 A, Type C: 14 gears

Art no (EU)	Description	Color
192-501	NLP LED 120 E 220-240 V	Black



NLP LED 120 E 230 V



Driver Generations

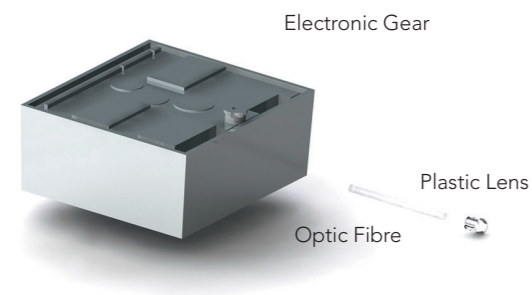
Driver Generation III – with I Micro-processor control

The Driver Generation III optimizes user friendliness via proprietary LED failure identification system known as the Visual Identification System (VIS).

Driver Generation V

GEN V is designed in order to meet customer demand in efficiency, enhanced stand-alone mode and new regulations coming on standby power consumption. Efficiency gain is accomplished by new switch mode topology reducing energy stress on active switch mode parts. The GEN V is design to meet the second stage requirements in standby regulations.

VIS



VIS

VIS is a visual user guidance for maintenace. VIS can detect a number of different problems like electrical short cuts, high temperature, faulty light sources etc. VIS is possible using our NLP GIII ballast with integrated MCU. The MCU monitors the fixture and can send error signals to a LED on the ballast. The signal is carried through an optical fibre to a Lens on the chassis of the fixture or the ballast housing. The signal is displayed as a number of red flashes which indicates different errors. The error signals are indicated in 30 second intervals and 1 second between each flash.

Apart from the error signals VIS also displays a single steady signal when the fixture tries to ignite the light source. VIS is available on some of our newest products. If the product has VIS it is indicated by the VIS logotype in the product datasheet.

Driver Generations

VIS Error codes Generation III

Flashes	Error type	Error description	Action
•	No failure	Starting lamp	–
• •	Installation	Gear temperature exceeding max.	Check if ambient temperature is to high
• • •	Lamp failure	Ignition timed out	Check lamp and connection wiring
• • • •	Lamp failure	Lamp End of life	Check lamp wattage
• • • • •	Lamp failure	Lamp voltage is to low	Change lamp
• • • • • •	Lamp Failure	Lamp voltage is to high	Change lamp

VIS Error codes Generation V

Flashes	Error type	Error description	Action
•	No failure	Starting lamp	–
• •	Installation	Gear temperature exceeding max.	Check if ambient temperature is to high
• • •	Installation	Mains voltage incorrect	Check mains installations
• • • •	Lamp failure	Lamp failure	Change lamp