

WALLSTYL®

LICHTFUSSLEISTE

Montageanleitung

PLINTHE LUMINEUSE

Montage

LIGHT BASEBOARDS

Installation instructions

VERLICHTE PLINT

Montagehandleiding

PERFIL LED

Instrucciones para el montaje

PROFILO LUMINOSO

Istruzioni di montaggio



www.nmcdecoration.com



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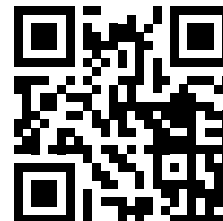
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EN - INSTALLATION



PRODUCT: DETAILS & DIMENSIONS



Dimensions: 2000 x 60 mm
Diameter: 17 mm

Item no.: Master: 3015301
Slave: 3015302

Material: Aluminium:

LED Strips: 3528-SMD, IP20, 9.6 watt/m, 120 LED/m, warm white
3000k \pm 50k, 4-5lm RA>80, not waterproof

Power supply: 12V, 30W

STORAGE INSTRUCTIONS:

WALLSTYL® light baseboards must be stored flat and dry.

SCOPE OF SUPPLY:

MASTER

- 1x master unit
- 5x magnets
- 5x steel strip sections
- 1x PMMA cover, ca. 205cm
- 1x earthing connection wire (green/yellow) 10 cm
- 1x 230 Volt connection cable with connector 40 cm

SLAVE

- 1x slave unit
- 5x magnets
- 5x steel strip sections
- 1x PMMA cover ca. 205cm
- 1x 12 Volt 3A extension (white) 210cm
- 1x 12 Volt 3A extension (black) 210cm
- 1x 12 Volt 3A adapter with connector (white) and plug (black)
- 1x 12 Volt 3A triple Y connector
- 1x Bridge-earthing cable 11.5 cm
- 1 x 230V extension cable (black), 330cm
- 1x Earthing connection wire (green/yellow) 10cm

The assembly and safety instructions provided must be followed without fail. In general, all electric power supply connections for all light systems with a connected load of 110V - 250V alternating current must be carried out by a suitably trained technician.

TIP

The WALLSTYL® LED light baseboard is designed specially for the following models of the baseboard range:

FB1	FD2	FD11	FD21	FL2	FL9
FB2	FD3	FD15	FD22	FL4	FO1
FD1	FD7	FD20	FL1	FL5	FO2

PREPARATION



Measure the length of the walls to determine the number of master and slave units needed (see electrical connections). Check the straightness and surface condition of the walls. The reversible magnetic installation functions optimally on straight walls. If the walls are not straight, an additional mechanical fastening may be necessary. The following types of surface are suitable: wallpapered, uncoated and plaster surfaces. The surfaces must be clean, dry, dust- and fat-free and even (if necessary, sand and clean).

Mark the height of the baseboard on the wall with a pencil.

ELECTRICAL CONNECTION

Master – slave system



The Wallstyl® light baseboards have two different basic units.

1. Master unit with two build-in transformers
(Item no. MASTER 3015301)
2. Slave unit without transformers
(Item no. SLAVE 3015302)

The right number of master and slave units is to be selected according to the section length:

- Sections of 1-2 metres: are provided with one master only
- Sections of 2 - 4 metres: 1x master + 1x slave unit
- Sections of 4 - 6 metres: 1x master + 2x slave units
- Sections > 6 metres: require the following units: master-slave-slave.

Each master unit can supply another two slave units. To that end, there are two connection possibilities available from both transformers in the master unit. In essence, each power supply of the master can supply 3 metres of LED strips or 30 W maximum.

EARTHING



The earthing connections must be electrically connected by means of the supplied earthing cables between all profile elements in the sections.

The earthing cable must be connected to the power source in parallel to the connection cable with the push-on connector.

CONNECTION TO POWER SOURCE

The master unit is connected sideways with the 220V-230V power source with the help of the approved connection clamps (not part of the scope of supply) and the pre-installed connector (assembled with connecting cable) during the course of the installation. The affixed LED strips must not be damaged in the process. These should therefore be installed in the immediate vicinity of the power cable to facilitate subsequent connections.



2-4 METRE CONNECTION:

Starting at the slave, connect the white connectors with the white extension cable (210 cm, in the supplies of the slave unit) and plug them together with the individual ends of the triple power socket (in the supplies of the slave unit). Run the cable carefully between the clamps.

Attention: The clams may have sharp edges: risk of injury.



The triple power socket is then connected with the two white sockets of the slave.

The master unit is connected to the 220V-230V power source through the pre-installed connector and the connector cable (in the supplies of the master unit).



The connection cable should be integrated flexibly to ensure sufficient room for the magnet connectors (see wall mount). The earthing cable is to be connected in parallel to the connection cable with the push-on connector.



4-6 METRE CONNECTION:

Follow the steps as under the 2-4 metre connection, with the exception of the connection of the master unit to the power source.

Plug another white extension cable (210 cm, in the supplies of the slave unit) in the free place of the triple power socket (connected with the first slave unit).



Introduce the white extension cable through the clamps on the second slave unit and connect it with one of the free white plugs.



Next, connect the black connector of the master unit with two interconnected black extension cables (210 cm, in the supplies of each slave unit), and run it through the clamps of both slave units.

Connect the adapter cable to the end of both extension cables (in the supplies of the slave unit), and then connect this with the second free plug of the second slave unit.



Next, connect the master unit with the power source (see last step of 2-4 metre connection).



AS OF 6 METRES TO MAX. 198 METRES (ON ONE POWER SOURCE EACH TIME):

Additional master units may be connected within the section to be covered or to a separate power supply, or up to 28 master units maximum can be connected to one and the same power supply through power cable extensions (in the supplies of the slave unit) in connected sections over six running metres.



The clamps must be raised briefly and the power plug introduced during the connection. The power cable extension is to be introduced and connected to the first master unit within the clamps, through the slaves and up to the next master unit.

Different connection variants can be carried out using the couplers supplied in order to obtain the best possible yield of the lengths.

ATTENTION

The supplies provided may lead to confusion about the colour coding, so every individual section must be checked carefully without fail before it is connected. A lasting faulty connection may lead to the destruction of the transformers and constitutes an exclusion for guarantee and warranty.

It is absolutely necessary to make sure that the connection values are not exceeded for every section and unit.

CUTTING LED BASEBOARDS



The LED baseboards can be cut using an approved saw for aluminium with corresponding saw blade. Hacksaws can be used as an alternative.

Determine the following cutting point on the LED strips (marked by scissors) for the actual measurement, and cut the profile there with the saw.

After cutting the LED strip, use a flat screwdriver to detach it up to 1 cm from the subsurface and bend it upward carefully.



Then cut the profile to the actual measurement and deburr if necessary.



Protect the end of the LED strip with insulating adhesive tape from short circuiting on the subsurface and bend it under the profile. Check that the insulating tape does not produce any shadowing of the light.

TIP:

Dark spots can occur on the interfaces if the LED separating mass is not observed (three LEDs in a group result in the designated mass). These can be reduced by calculating the corresponding section so that there are no dark spots or few striking sections (e.g. at the profile end).

Master units can be shortened up to a length of one metre maximum, whereby the length which contains the transformers must always be used.

Slave units can be shortened as required. When shortening the units it is vital to bear in mind that the connections of the slave units are arranged in the middle, because the LEDs can be supplied only through them.



WALL MOUNTING



The master and slave units are mounted on the wall magnetically to guarantee reversibility.

Détachez le film de protection des aimants, puis collez-les. Affix magnets in the aluminium profile each time at the ends and in the middle of the unit in the bottom height area after removing the protective film. If necessary, affix the magnets so that the magnetic force guarantees the mounting of the LED baseboard in spite of the unevenness.

Additional mechanical fixing may be required if the walls are not straight.



Position steel strip section on the magnets and remove the protective film. Pay attention to the cable and other built-in electronic components. Only flat steel strip sections flush with the aluminium profile guarantee optimal adhesion.



Affix the aluminium profile on the wall next, with due care for the marked baseboard height flush and by pressing at the points of the steel strip sections.

TIP:

For stability purposes, cut three Styropor blocks supplied at the corresponding height and apply them under the aluminium profile for support.

AFFIXING THE PMMA COVER



The PPMA cover is used to protect the LEDs and guarantees a homogenous light distribution. Let the cover snap in the profile above the LEDs. The cover should overlap the profile transitions. A compound saw or a hacksaw is recommended for cutting the PMMA.

ADJUSTMENT AND AFFIXING OF THE BASEBOARD



The baseboards are adjusted as indicated in the installation instructions for WALLSTYL® baseboards.
www.nmcdecoration.com -> downloads

Cut the WALLSTYL® baseboard so that the ends of the overlapping aluminium profiles are covered.
 Clamp the adhesive cartridge of the assembly adhesive ADEFIX® PLUS, and cut the cartridge nozzle (diameter: 5-8 mm).
 Apply the WALLSTYL® baseboard on the rear adhesive side as an unbroken strip (caterpillar).



ADEFIX® PLUS



Position the board and apply flush with the aluminium profile with pushing motion.

DIMMING

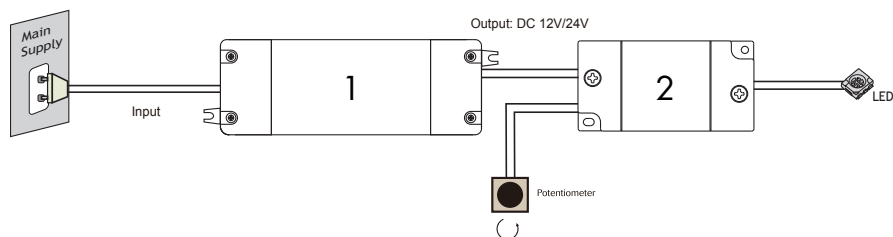
The lights are not dimmable ex works. A standard dimmer/converter is therefore needed, which is not contained in the scope of the supply. The dimmer must have the following properties:

Class III, independent lamp button for a LED channel

When a dimmer circuit is used, the LED must be supplied via a dimmer converter (see diagram)

(1): Integrated power supply

(2): Dimmer converter



SAFETY INSTRUCTIONS

The safety instructions below apply to the NMC ARSTYL® light frames and WALLSTYL® baseboard lights and their accessories. Please read these safety instructions before completing your NMC lighting installation. If you have any questions, please contact NMC. Please retain these safety instructions carefully; if necessary, you can download them from our website www.nmcdecoration.com in PDF. NMC lighting is designed solely for indoor use. Never install NMC lighting outdoors.

ASSEMBLY AND USE

- Before using your NMC lighting, do check that all safety and/or positioning screws are sitting firmly, and tighten them if necessary.
- WALLSTYL® baseboard lights must be fitted and connected to the electricity supply by a qualified electrician. Before connection, it is essential to switch off the circuit's power supply, remove the fuse, or switch off the circuit breakers as appropriate.
- Do not store or keep any flammable material close to NMC lights.
- Never touch NMC lights with wet hands and/or feet.
- Do not operate NMC lights in very dusty, damp and/or wet environments
- You should under no circumstances block up the fans on the corresponding NMC lights.
- Never cover the openings in the casings on the NMC light(s), and never insert any item into the openings in the casings on the NMC light(s) – the main dangers include electric shock, device malfunction, short circuit and/or burns.
- Do not carry your NMC light(s) by the cable and/or accessory.
- Be sure to lay the cable so that it does not represent a trip hazard, and ideally not on the floor.
- Be sure to check that the cable is not crushed, driven over, stretched or bent.
- Be sure to check that cables are not frayed and/or otherwise damaged.
- Be aware of possible risks of thermal, mechanical and/or chemical damage to cables and be sure to avoid these at all costs.
- Never operate NMC lights with defective cables and/or plugs. Defective cables must be changed only by NMC or an authorised specialist dealer. Under no circumstances must cables on NMC lights be 'patched up'.
- When using NMC lights, it is essential to ensure that the electricity supply is set up to run NMC continuous lights.
- During assembly, ensure secure fixing to the wall / ceiling. When fitting to ceilings, it is mandatory for an extra steel cable attachment to be applied. To fit the Plexiglas, simply insert it into the insertion sockets provided.
- You must respect the necessary connection of the protective earth (green/yellow) of the mains lead to the protective earth terminal.

ATTENTION

Defective lights must only be repaired by an expert, because unqualified repairs can cause serious consequential damage. No bare wires must protrude from the terminal.

DIMMING

The lights are not factory-set to be dimmable. This means you will need a standard dimmer/converter, which is not included. The dimmer should have the following properties:

- class III, independent dimmer for 12V or 24V to dim an LED channel
- single-channel PWM output dimmer with potentiometer (adjustable resistance / (150k Ω) or 1-10V signal)

It should be connected by a qualified expert.

CARE AND MAINTENANCE

Care is limited to the surfaces, or Plexiglas areas and covers.

When cleaning, ensure that no moisture can reach the terminal areas or live parts.

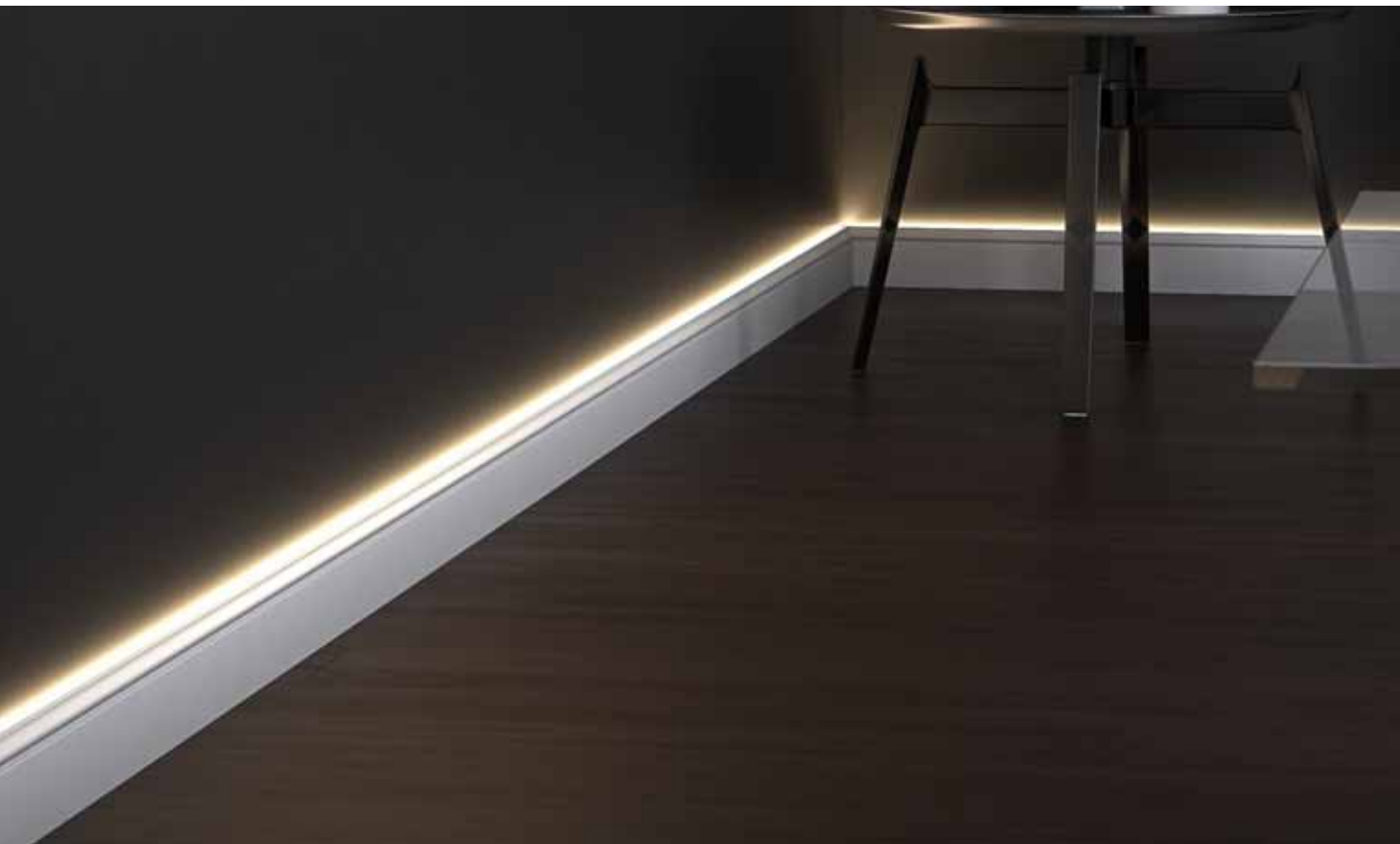
DISPOSAL

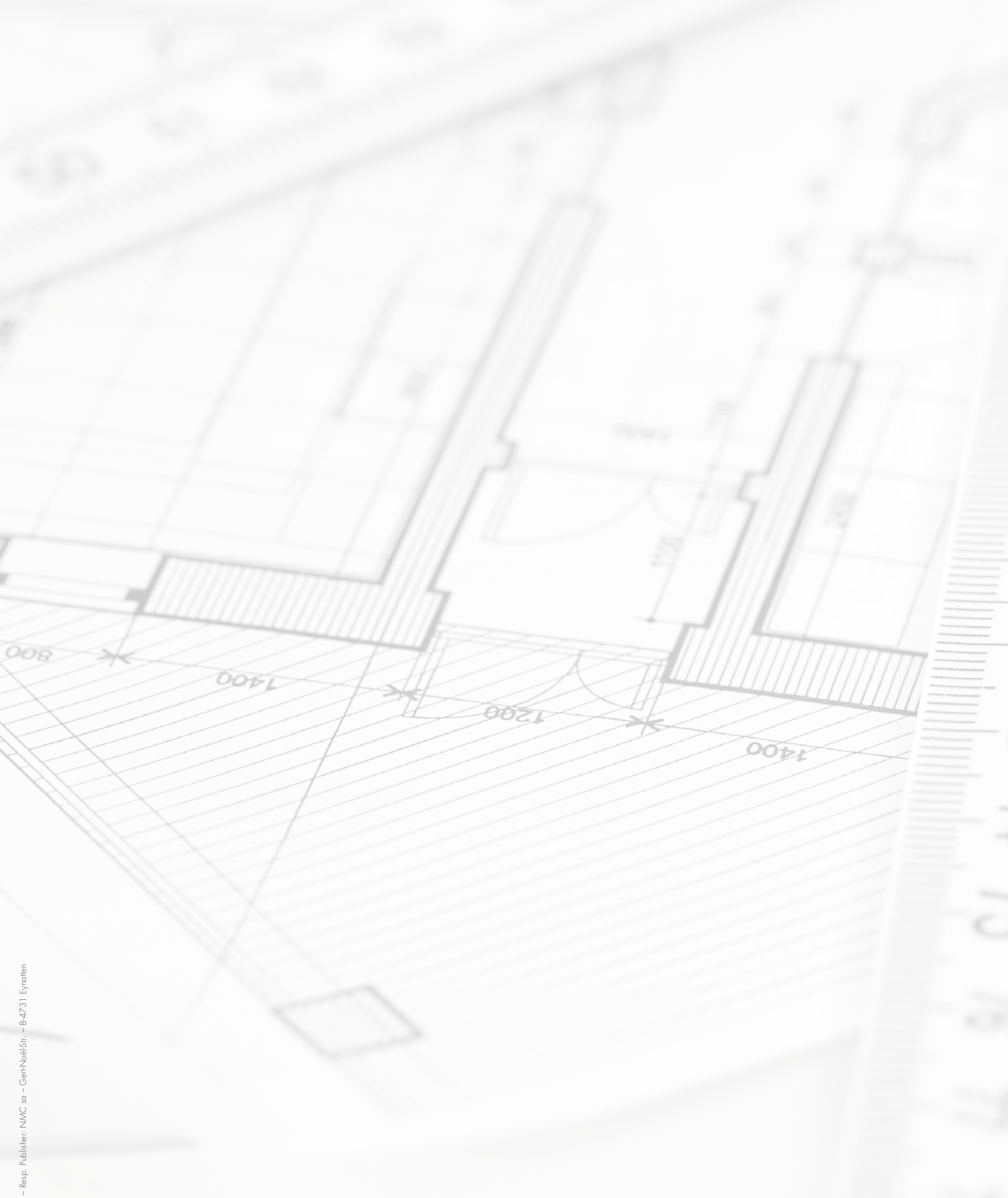
Electrical equipment, accessories and packaging should be recycled in an environmentally appropriate manner. Never throw electrical equipment in your household rubbish.

For EU countries only: European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) and its transposition into national law requires that waste electrical equipment be collected separately and sent for environmentally appropriate recycling.

Subject to modifications







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