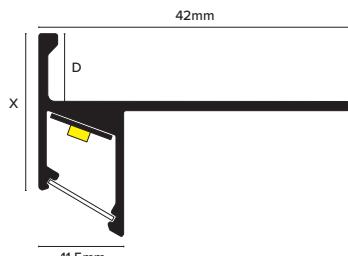


NLD**VISION**

Product Description

NLD is a tile-in step edge incorporating Vision LED, CCT and RGB lighting systems. Designed to emphasise and accentuate each individual stair, illuminating the riser below to create a stunning stair case. Supplied in anodised Matt Silver finish with frosted polycarbonate diffuser for optimum light dispersion.

Technical Details

Profiles are available in different anodised finishes and powder coated finishes - All natural Aluminium (Mill Finish) has a oxide film of approx. 0.2 microns, when mechanically and chemically polished the anodising process increases this to 5 microns, up-to 20 for the matt finish and 100 for powder coated.

Aluminium AA 6063 T6 / UNS A96063 anodised to DIN 17611

Si%	0.2-0.6
Fe%	0.35
Cu%	0.1
Mn%	0.1
Mg%	0.45-0.9
Zn%	0.1
Cr%	<0.01
Al	Balance

Maintenance

Profiles do not require any special maintenance. Oxidation films on Aluminium may be removed with a common polishing agent; however, they do reoccur. Damaged anodised finishes may only be repaired by re-coating.

Aluminium must be tested to verify its suitability if chemical stresses are anticipated. Cementitious materials, in conjunction with moisture, become alkaline. Since aluminium is sensitive to alkaline substances, exposure to the alkali (depending on the concentration and time of exposure) may result in corrosion (aluminium hydroxide formation). Therefore, it is important to remove adhesive or grout residue from visible surfaces. In addition, ensure that the profile is solidly embedded in the setting material and that all cavities are filled to prevent the collection of alkaline water.

The anodised layer creates a finish that retains a uniform appearance during normal use. The surface, however, is susceptible to scratching and wear and may be damaged by tile adhesive, mortar, or grouting material. Therefore, setting materials must be removed immediately. Otherwise, the description regarding aluminium applies.

External Use

Bright and brushed finishes are not suitable for environments with direct UV exposure or where mechanical cleaning operations occur.

Dimensions

Available in 9mm or 11mm depths and a standard length of 2.8m.

Allied Products:

End caps to complete the professional aesthetic.

Planning out the installation

We do not advise on locations of power points, this is a conversation to have with an electrician, we would suggest that power points should be planned in with any major works or look at where the power can come from and that you should consider the exit point of the lights (further comments below).

With 12v product, we recommend that a maximum of 10m of LEDs is ran off a driver due to voltage drop which will result in a dimmer LED.

Please consider the placement of receivers and drivers during the installation and that they should be permanently accessible.

Installation of the LEDs into the profile

1. Ensure the surface is clean and dust free by using a 3M surface prep wipe. Allow 2 minutes for the surface to dry.
2. If you need to reduce the length of the strip, partially peel back the red tape on the reverse of the strip.
3. Cut the strip at the indicated cut points using a pair of sharp scissors.
4. Peel back the remaining red tape and install the LED strip as desired.
5. Plug the power lead into the connector block on the LED driver.

We recommend that the tape is cut a cut shorter inside the profile, so that the shrink wrap has room to sit inside the profile.

NLD Installation

1. Measure and cut the profile to desired length
2. If required, fix tile to riser
3. Bed the profile into the adhesive ensuring the adhesive penetrates through the anchoring holes. Adjust accordingly and position the profile so the front edge covers the tile on the riser if fitted.

