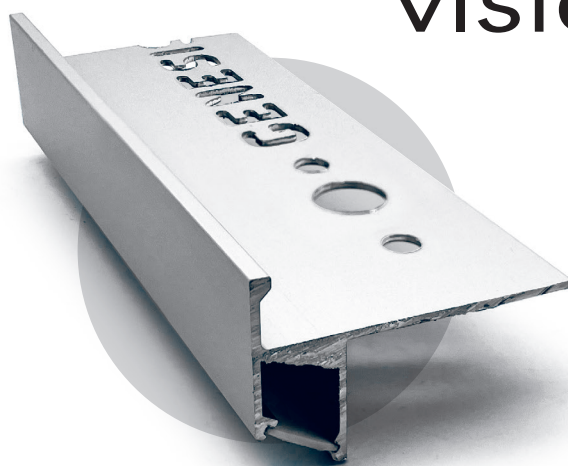
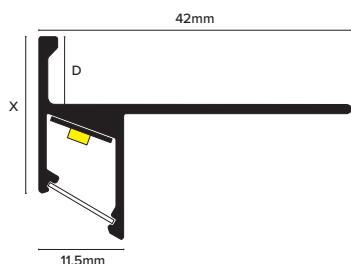


NLD



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

These profiles do not require any special maintenance, any oxidation that develops on aluminium surfaces can be removed although they may recur naturally over time. This oxidation can be removed using a standard aluminium polishing agent, however, damage to an anodised finish, such as scratching, or cementitious chemical reaction can only be restored by recoating.

To preserve the appearance and performance of the profile, promptly remove any adhesive, mortar, cement, or grout residue from visible surfaces. When exposed to moisture, cement-based materials become alkaline and may cause corrosion of aluminium if left in contact for extended periods. Ensure the profile is fully embedded in the setting material and that all voids are completely filled to prevent the accumulation of alkaline water.

To maintain and protect the surface, clean only with colorless alcohol diluted in water or pH-neutral detergents. Avoid acidic cleaners, such as hydrochloric or hydrofluoric acid, as they can cause damage. Use only soft, non-abrasive cloths or sponges, and apply cleaning solutions to the cloth rather than directly onto the surface. After cleaning, rinse thoroughly with water and dry immediately using a soft cloth.

External Use

We recommend powdercoated finishes are installed externally.

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.

