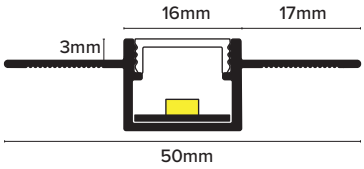
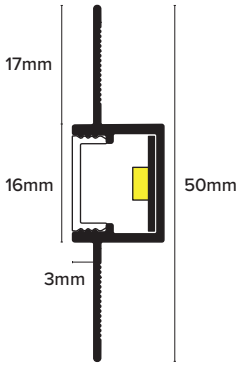
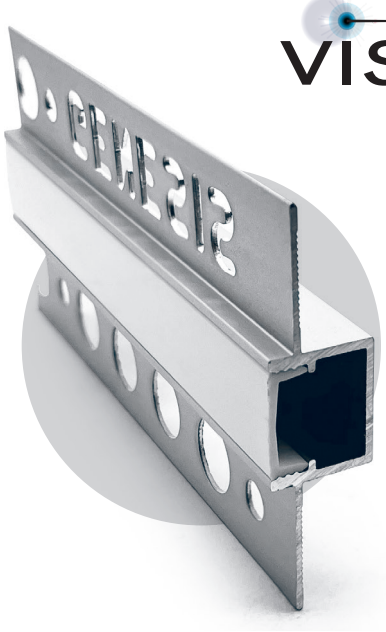
TPD







Product Description

This plaster profile allows for you to transform your space effortlessly with a straight forward installation. Simply secure to aluminium flange to plasterboard and skim over.

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

Dimensions

Standard lengths of 2.8m.

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.

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 majors 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.

TPD Profiles

1. Select profile according to tile thickness.
2. Trowel tile adhesive over the area that forms the perimeter of the tiled covering.
3. Press the perforated anchoring leg (TLD only) into the tile adhesive and align, mechanical fix if required (wiring and lighting should be in situ before bedding into any adhesive)
4. Trowel additional adhesive over the perforated anchoring leg (TLD only) to ensure full coverage.
5. Solidly embed the tiles so that the tiled surface is flush with the top of the profile, the profile should not be higher than the tiled surface, but rather up to approximately 1 mm lower.
6. Fill the joint completely with grout.