LED Architectural Lighting – Aluminium Profiles

Introduction

This installation guide provides information about how to install each type of Gradus aluminium profile within the LED Architectural Lighting range.

It is important to locate the profiles item code and match it to the relevant instructions within the following pages.

General Installation Advice

- Do not twist or bend the aluminium profile or cover*.
- Handle with care – be careful not to scratch the diffuser cover* when unpacking and during the installation process.
- Do not use any LED Tape that is wider than the internal width of the aluminium profile. Forcing an LED Tape into an aluminium profile will damage them.
- Do not get any substances on the diffuser cover* (such as silicone or paint).

*Cover not supplied with ALS/FB - Flat Base profile.

It is important to locate the profiles item code and match it to the relevant installation instructions found within the following pages:

If any further information is required, please do not hesitate to contact Gradus Contracts Team on (+44)1625 428922.

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LED Architectural Lighting – Aluminium Profiles

The installation instructions on this page apply to the following Gradus profiles only:
ALS/TS (Thin Surface), ALS/DS (Deep Surface), ALS/OL (Optic Lens), ALS/B (Bendable),
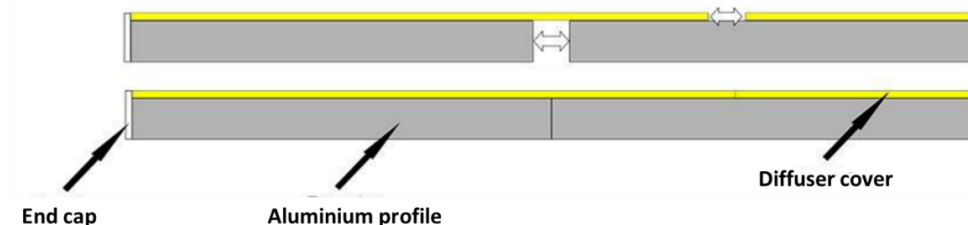ALS/FC (Corner)

Installation Methods

The above aluminium profiles can be installed in 3 ways:

1. **Use the fixing clips provided:**
   Fixing clips should be screwed in position on the wall or surface. The aluminium profile can then be securely clicked into the fixing clips.

2. **Use foam sticky tape backing (not provided).**
   Stick the foam backing tape to the underside of the aluminium profile, and then place the aluminium profile in position on the wall or other surface. Apply pressure until the adhesive has set.

3. **Screw the profile directly to the wall or other surface:**
   You can countersink screws through the aluminium profile easily. Drill a hole first, and then make sure the appropriate screws are tightened to fit as flush as possible.
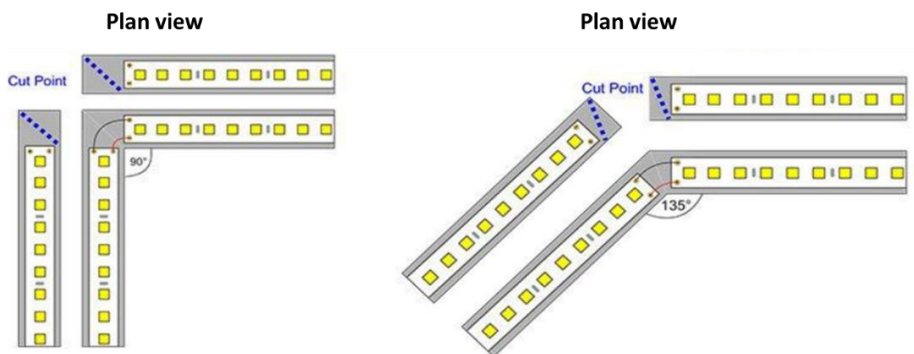
Cutting to Length

Use a mitre saw or hand saw. Before sawing, you should tape the profiles cover to the base securely, so that there is no movement. You can then cut through both the base and cover together. This should ensure they remain an exact fit.

You can make your cuts at any angle(s) that you require. This makes it a simple task to install your LED profiles around corners (90 degrees, or whatever angle is required) or around other obstacles by butting two angled lengths of aluminium profile together.

Tip: If you are installing multiple profiles in a continuous linear run, it's best to stagger (overlap) the diffuser covers to the aluminium bases. This will mean the joins between the covers are located at different points to the joins between the bases, which will provide a more robust overall solution and look more attractive.

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LED Architectural Lighting – Aluminium Profiles

The installation instructions on this page apply to the following Gradus profiles only:
ALS/SR (Shallow Recessed), ALS/DR (Deep Recessed)

Installation Methods

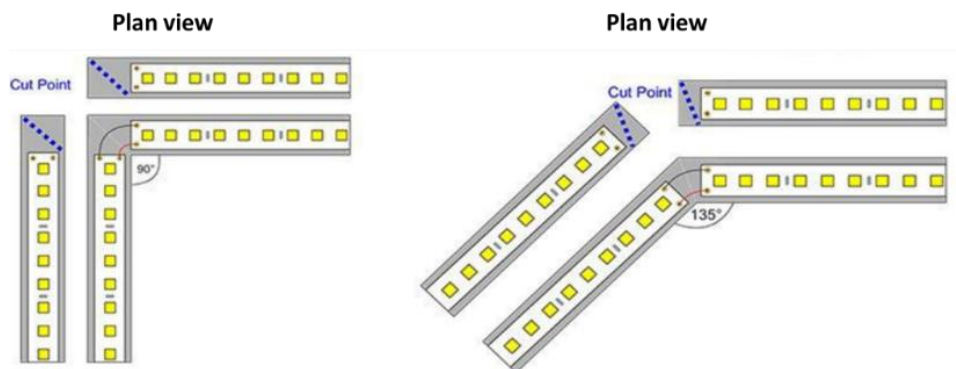The ALS/SR Shallow Recessed and ALS/DR Deep Recessed aluminium profiles can be installed in 2 ways:

Note – prior to installing, ensure a suitable recess has been 'cut out' so that the aluminium profile is a tight fit with no gaps, with the flange sitting over the recess created.

1. **Use foam sticky tape backing (not provided).**
   Stick the foam backing tape to the underside of the aluminium profile, and then place the aluminium profile in position on the wall or other surface. Apply pressure until the adhesive has set.

2. **Screw the profile directly to the wall or other surface:**
   You can countersink screws through the aluminium profile easily. Drill a hole first, and then make sure the appropriate screws are tightened to fit as flush as possible.
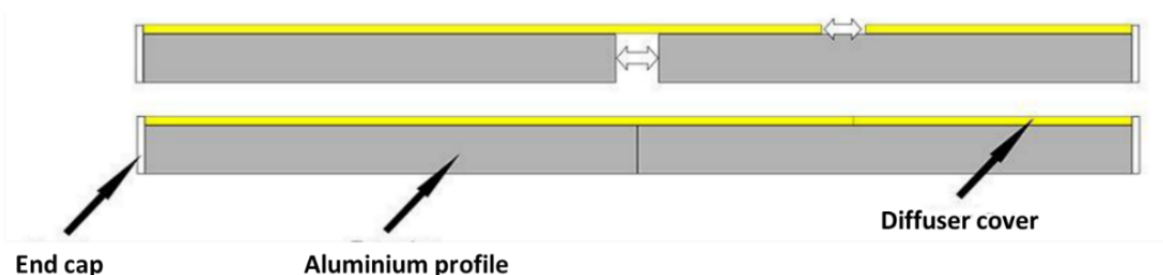
Cutting to Length

Use a mitre saw or hand saw. Before sawing, you should tape the profiles cover to the base securely, so that there is no movement. You can then cut through both the base and cover together. This should ensure they remain an exact fit.

You can make your cuts at any angle(s) that you require. This makes it a simple task to install your aluminium profiles around corners (90 degrees, or whatever angle is required) or around other obstacles by butting two angled lengths together.

Tip: If you are installing multiple profiles in a continuous linear run, it's best to stagger (overlap) the diffuser covers to the aluminium bases. This will mean the joins between the covers are located at different points to the joins between the bases, which will provide a more robust overall solution and look more attractive.

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LED Architectural Lighting – Aluminium Profiles

The installation instructions on this page apply to the following Gradus profile only:
ALS/WO (Walk Over)

Installation Methods

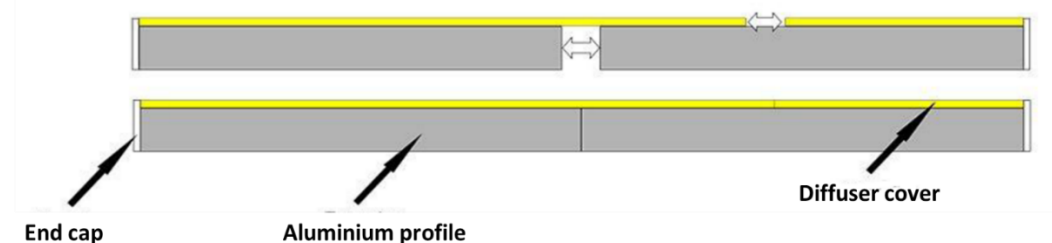The ALS/WO Walk Over aluminium profile can be installed in 2 ways:

Note – prior to installing, ensure a suitable recess has been 'cut out' to size so that the aluminium profile is a tight fit with no gaps

1. **Use foam sticky tape backing (not provided).**
   Stick the foam backing tape to the underside of the aluminium profile, and then place the aluminium profile in position on the floor or other surface. Apply pressure until the adhesive has set.

2. **Screw the profile directly to the floor or other surface:**
   You can countersink screws through the aluminium profile easily. Drill a hole first, and then make sure the appropriate screws are tightened to fit as flush as possible.
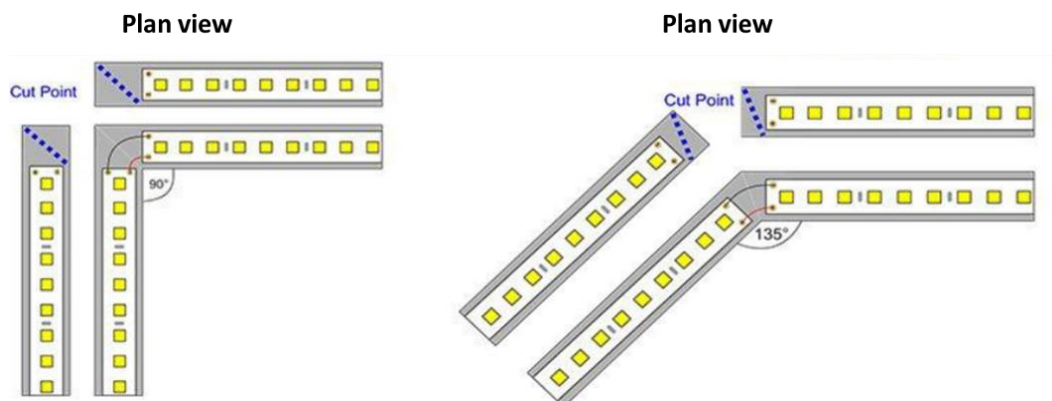
Cutting to Length

Use a mitre saw or hand saw. Before sawing, you should tape the profiles cover to the base securely, so that there is no movement. You can then cut through both the base and cover together. This should ensure they remain an exact fit.

You can make your cuts at any angle(s) that you require. This makes it a simple task to install your LED profiles around corners (90 degrees, or whatever angle is required) or around other obstacles by butting two angled lengths of aluminium profile together.

End cap   Aluminium profile   Diffuser cover

Tip: If you are installing multiple profiles in a continuous linear run, it's best to stagger (overlap) the diffuser covers to the aluminium bases. This will mean the joins between the covers are located at different points to the joins between the bases, which will provide a more robust overall solution and look more attractive.

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LED Architectural Lighting – Aluminium Profiles

The installation instructions on this page apply to the following Gradus profile only:
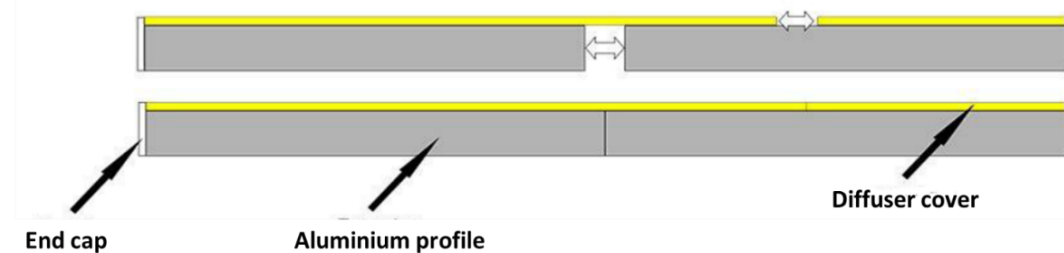ALS/FR (Flush Recessed)

Installation Methods

The ALS/FR Flush Recessed aluminium profile is not supplied with fixing clips and only should be plastered into place.
The profile features surface flanges and a raised lip that can be plastered over easily for a smooth finish right up to the diffuser cover. Before plastering, we recommend screwing the extrusion into the plaster board and applying adhesive.
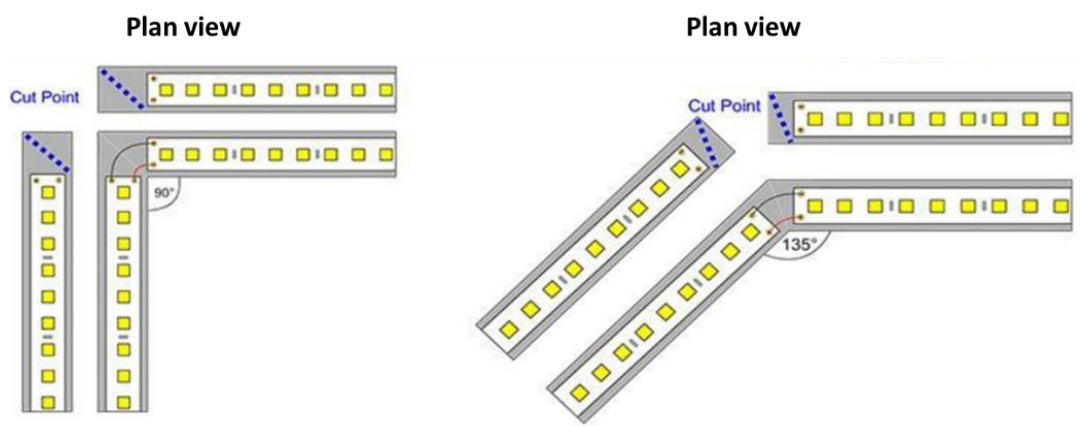
Cutting to Length

Use a mitre saw or hand saw. Before sawing, you should tape the profiles cover to the base securely, so that there is no movement. You can then cut through both the base and cover together. This should ensure they remain an exact fit.

You can make your cuts at any angle(s) that you require. This makes it a simple task to install your LED profiles around corners (90 degrees, or whatever angle is required) or around other obstacles by butting two angled lengths of aluminium profile together.

End cap   Aluminium profile   Diffuser cover

Tip: If you are installing multiple profiles in a continuous linear run, it's best to stagger (overlap) the diffuser covers to the aluminium bases. This will mean the joins between the covers are located at different points to the joins between the bases, which will provide a more robust overall solution and look more attractive.

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LED Architectural Lighting – Aluminium Profiles

The installation instructions on this page apply to the following Gradus profile only:
ALS/FB (Flat Base)

Installation Methods

The ALS/FB Flat Base aluminium profile can be installed in 2 ways:

1. **Use foam sticky tape backing (not provided).**
    Stick the foam backing tape to the underside of the aluminium profile, and then place the aluminium profile in position on the wall or other surface. Apply pressure until the adhesive has set.

2. **Screw the profile directly to the wall or other surface:**
    You can countersink screws through the aluminium profile easily. Drill a hole first, and then make sure the appropriate screws are tightened to fit as flush as possible.

Cutting to Length

Use a mitre saw or hand saw to cut through the aluminium base.

You can make your cuts at any angle(s) that you require. This makes it a simple task to install your LED profiles around corners (90 degrees, or whatever angle is required) or around other obstacles by butting two angled lengths of aluminium profile together.

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