

# Gradus Architectural Lighting Systems

Specify with Certainty. Install with Confidence.

Illuminate with Purpose



# GRADUS



## LED Architectural Lighting Range

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LED architectural lighting has evolved beyond illumination, it's now a strategic design tool to help create the ideal ambience of a space.

This purpose-built system pairs commercial-grade Gradus Impression LED tape with precision-engineered aluminium profiles to transform linear lighting from a technical requirement into a visual advantage.

Whether your project is in Hospitality, Retail, Leisure, or Residential spaces, LED Architectural Lighting delivers results that elevate interiors with control.

### Why Specify this System?

This LED architectural lighting system is engineered for precision and built to last.

### Here's why specifiers choose it:

#### **Controlled Thermal Performance**

Aluminium profiles act as heat sinks, reducing tape temperature and extending operational lifespan.

#### **Clean, Even Optics**

Semi-diffused and clear covers conceal the tape, delivering a fully dimmable, evenly diffused band of light with zero spotting.

#### **Robust Protection and Longevity**

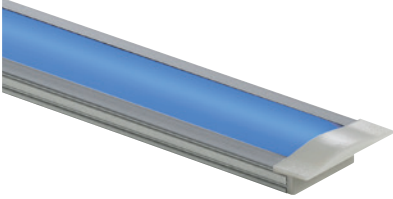
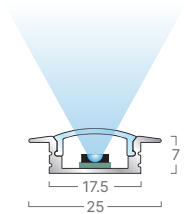

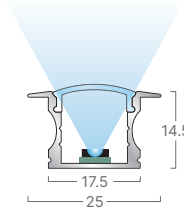

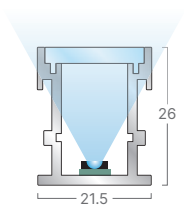
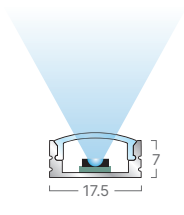
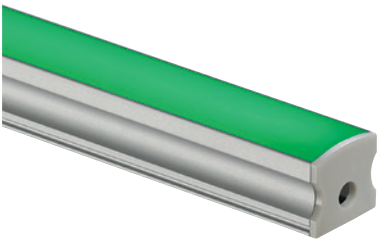
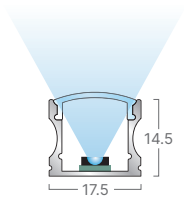
Profiles shield the tape from dust and damage. Walk-over and recessed formats suit high-traffic and exposed environments.

#### **Design Versatility**

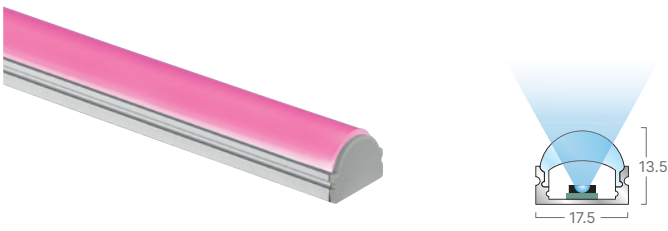
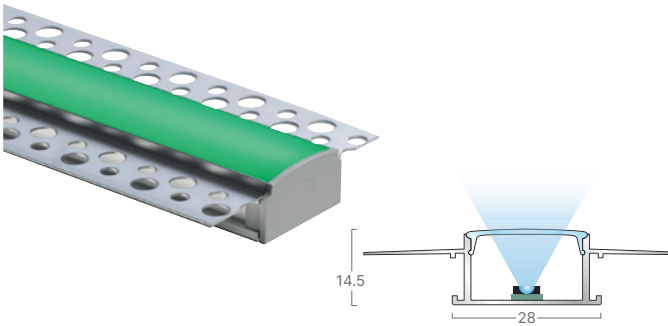
Eleven profile forms support everything from minimal detailing to bold continuous bars, tight wall washes, curves, corners, recessed furniture runs, plastered slots, and floor integrations.

# Where Each Profile Works Best

Every profile in the Gradus LED architectural system is designed for a specific purpose, making it easy to choose the right format for each installation:

Code / Profile	Description
 	<p><b>ALS/SR</b></p> <p>A shallow recess for walls ceilings and furniture. Supplied in 1m or 2m lengths with cover and end caps.</p>
 	<p><b>ALS/DR</b></p> <p>Best for deeper recesses in walls, ceilings and furniture. Supplied in 1m or 2m lengths.</p>
 	<p><b>ALS/WO</b></p> <p>Robust floor recess for retail, corridors, theatres, or skirtings. Built to withstand foot traffic. Supplied in 1m or 2m lengths.</p>
 	<p><b>ALS/TS</b></p> <p>Ideal for subtle surface-mounted runs on walls, under cabinets, inside furniture, or along ceiling coves. Supplied in 1m or 2m lengths with end caps and fixing clips.</p>
 	<p><b>ALS/DS</b></p> <p>Use for bold, visible lighting bars on walls or ceilings where the profile becomes part of the design. Supplied in 1m or 2m lengths with end caps and fixing clips.</p>

# Where Each Profile Works Best

Code / Profile	Description
	<b>ALS/OL</b> Perfect for narrow wall washes behind head-boards, signage, or feature walls. Reduces beam spread to 60° for tighter control. Supplied in 1m or 2m lengths with end caps and fixing clips.
	<b>ALS/B</b> Flexible profile for curved surfaces and irregular shapes, ideal for reception desks, curved walls, or bespoke joinery. Minimum bend radius 300mm. Supplied in 1m or 2m lengths with end caps and fixing clips.
	<b>ALS/FC</b> Fits neatly into 90° wall/ceiling junctions or under counters to highlight architectural lines. Supplied in 1m or 2m lengths with end caps and fixing clips.
	<b>ALS/FB</b> A low-profile heat sink for hidden installs, great for surface mounting in hidden locations. Supplied in 1m lengths; base only.
	<b>ALS/FR</b> Plaster-in profile for seamless linear slots in walls or ceilings, ideal for high-end residential or hospitality. Supplied in 2m lengths with end caps.
	<b>DLA45</b> Surface-mounted or recessed into floors and walls. Compatible with Gradus Impression, Continuity, and Interlok Advance systems. Supplied in 3.10m lengths with fixing clips.



# Quick Selection Matrix

This matrix streamlines profile selection by clearly mapping format, length, and standout applications, enabling specifiers and installers to pinpoint the optimal solution for any lighting scenario.

From surface-mounted accents to recessed floor integrations, every profile is purpose-built for performance and precision.

Profile	Profile Name	Format	Available Lengths	Used For
ALS/TS	Thin Surface	Surface	1m & 2m	Walls, furniture, or coving
ALS/DS	Deep Surface	Surface	1m & 2m	Wall accent or ceiling
ALS/OL	Optic Lens	Surface	1m & 2m	Wall washing lighting effect
ALS/B	Bendable	Surface	1m & 2m	Curved walls, alcoves, ceilings or furniture
ALS/FC	Corner	Surface	1m & 2m	90 degree corners on walls, ceilings or furniture
ALS/FB	Flat Base	Surface	1m	Under counters, shelves and walls
ALS/SR	Shallow Recessed	Recessed	1m & 2m	Walls, ceilings and furniture
ALS/DR	Deep Recessed	Recessed	1m & 2m	Walls, ceilings and furniture
ALS/WO	Walk Over	Recessed	1m & 2m	Floor recesses in walkways or corridors
ALS/FR	Flush Recessed	Plaster In	2m	Seamless linear slots in walls or ceilings
DLA45	U Section	Surface or Recessed	3.10m	For aisles and walkways

# Practical Specification Checklist

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## Profile & Mounting Method

Confirm profile type and installation approach: surface-mounted, recessed (shallow or deep), plaster-in, or floor-integrated.

## Diffuser Selection

Choose diffuser type: – Semi-diffused for uniform light bands – Clear optic for focused, narrow beams.

## Lengths & Quantities

Specify required lengths and quantities. Include allowances for end caps and fixings unless otherwise noted.

## ALS/FB Base Profile

ALS/FB is supplied as base only. If needed, specify compatible diffuser and mounting clips.

## Curved Applications

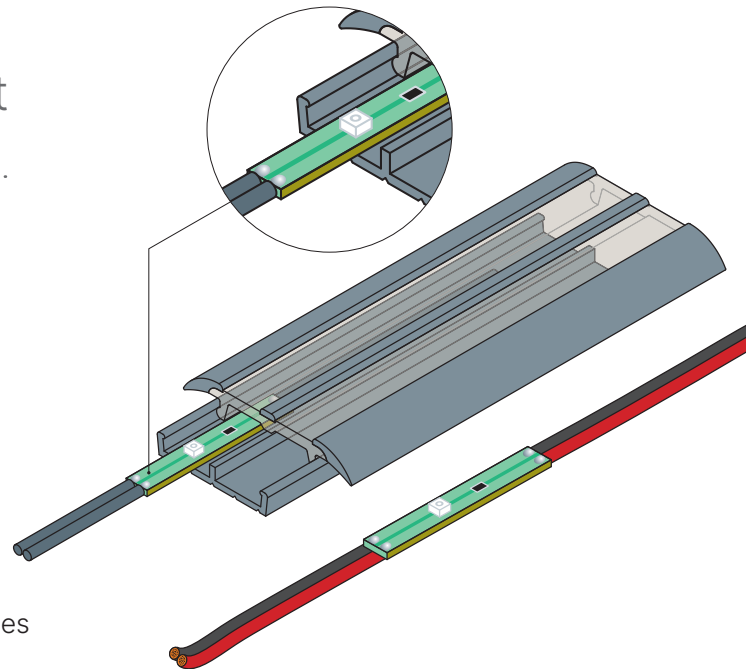
For curved runs, use ALS/B and confirm minimum bend radius of 300 mm.

## Carpeted Installations (DLA45)

Ensure compressed carpet thickness provides a snug fit to the DLA45 profile gauge.

## LED Tape & Electrical Requirements

Specify Gradus Impression LED Tape as the compatible light source. Confirm driver type, dimming compatibility, and thermal management requirements in final layout plans.



## Elevate Every Detail with Confidence

The Gradus LED Architectural Lighting Range transforms linear illumination into a strategic design tool delivering thermal stability, optical precision and installation-ready versatility across every profile. Whether you're detailing a recessed furniture run, defining a retail walkway, or crafting a seamless plaster slot, this system ensures consistent performance and crisp visual impact.

From minimalist accents to robust floor integrations, each profile is engineered for repeatable results and real-world durability. Pair with Gradus Impression LED tape to unlock a complete, specification-ready solution that meets the demands of specifiers, installers and end users alike.

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**Gradus Accessories Park Green Macclesfield Cheshire SK11 7LZ**

For enquiries outside the UK and Eire contact Gradus International on +44 (0)1625 613780

Gradus International  
England  
Tel +44 (0) 1625 613780

Gradus Far East  
Singapore  
Tel: (+65) 6734 5933

**call: 01625 428922**  
**gradus.com**