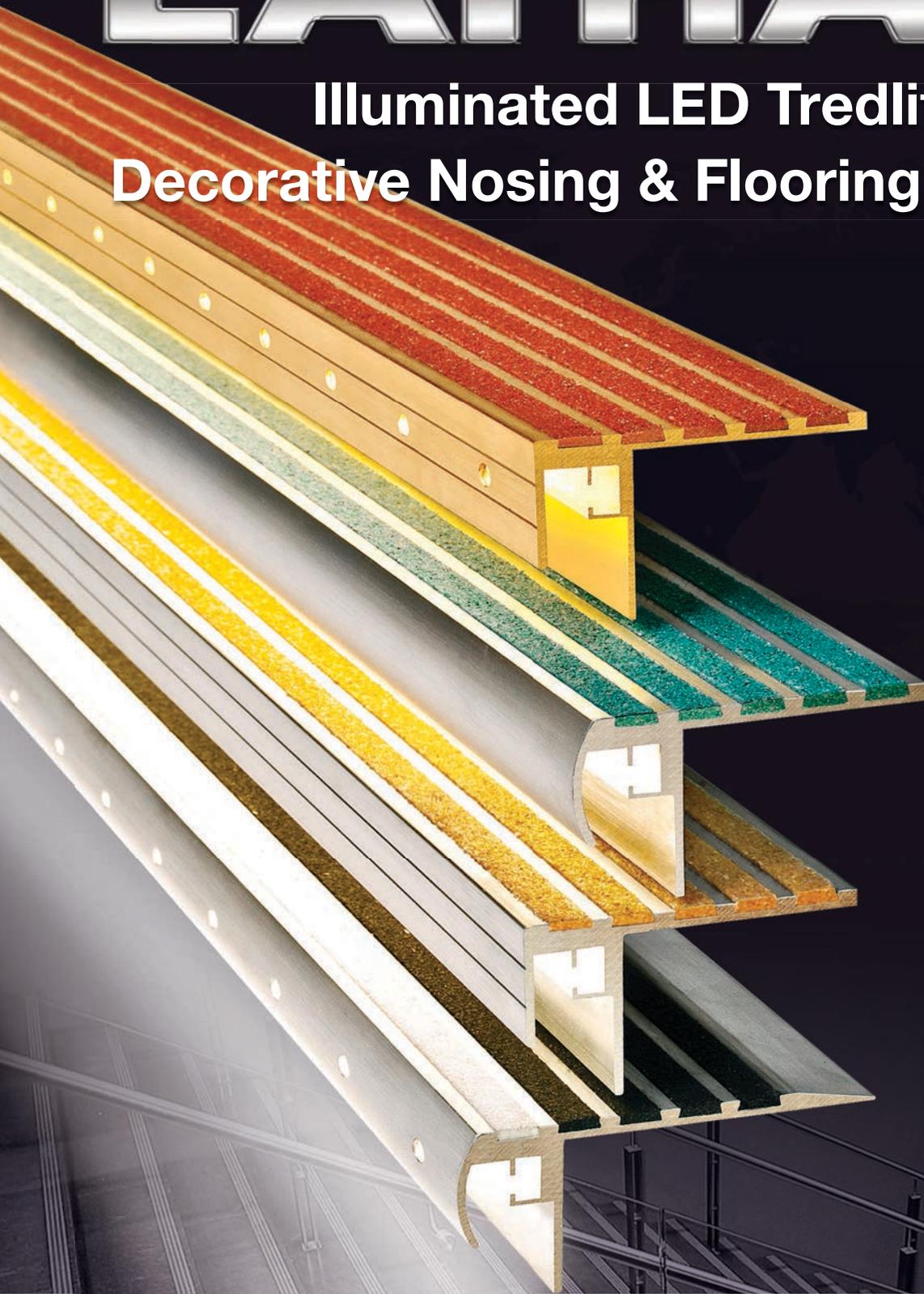


# LATHAM

## Illuminated LED Tredlite Decorative Nosing & Flooring Systems



**Bringing you over 5 decades of experience in the design & development of abrasive slip resistant products**

# Latham LED Tredlite Decorative Nosing & Flooring Systems

## Interior & Exterior\* Applications

**Latham Illuminated Slip Resistant Safety Stair Tread Nosings feature the newest safe low voltage 24V LED lighting technology, which is cheap and efficient to run. For most applications all necessary hardware can be supplied, including transformers which will simply plug into a power point.**

The standard FL lighting system is installed to create a fan light effect over the risers and treads in darkened conditions, providing confidence and safety for negotiating the stairs.

For the top stair treads, landings and platforms or through-out the staircase, dual purpose Tredlite (TOP) should be considered with the first slip resistant bar in off white colour, designed to emit a low glow lamp effect as well as a fan light effect. The holes are approximately 8mm in diameter and are at approximately 66mm centres.

For further decorative impact, the bullnose of the nosings is available with holes to create a line of light for a powerful visual effect (DEC). When this is being considered it should be specified throughout the entire stairway. The holes are approximately 8mm in diameter and are at approximately 66mm centres.

For the ultimate in lighting affect the (TOP) and (DEC) features have been combined in the (TOPDEC) version, this triple effect system offers the first slip resistant bar in off white colour, designed to emit a low glow lamp effect as well as a fan light effect combined with holes in the bullnose of the nosing to create line of light for a powerful visual effect.

Running costs for the LED Tredlite Illuminated Stair Tread Nosing is negligible and the nosing is functional and decorative in situations such as public buildings, foyers, theatres, clubs, restaurants, grand houses, ships and yachts.

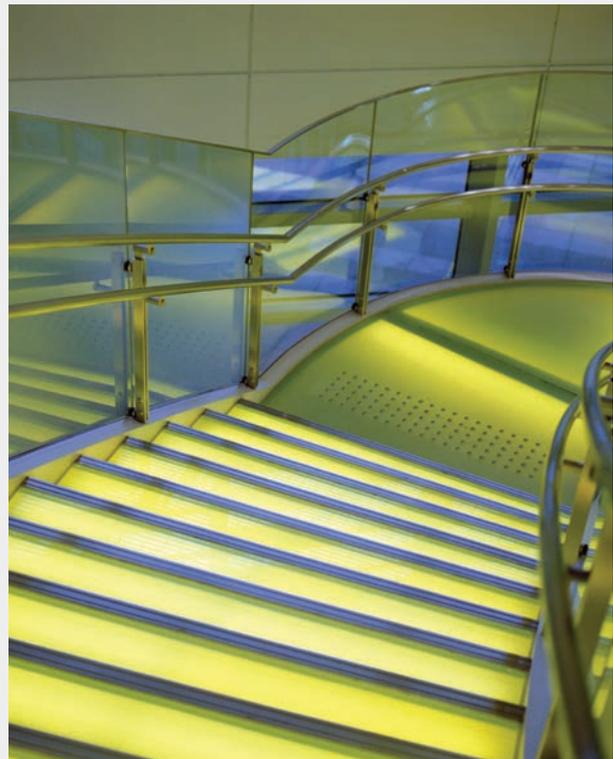
Standard Tredlite nosings are supplied in Asbraloy aluminium mill finish and Asrabronz solid brass brush finish. Anodised aluminium finish, brush finished aluminium bullnose and polished bullnose for aluminium and brass available on request.

Because the systems are highly specialized they are supplied cut to site required lengths with the Tredlite Lighting installed in the nosing. The LED Tredlite Bulbs are at approximately 17mm centres and will be cut in length multiples of 100mm, to suit the required length. This means that the lit length in the tread will always be slightly shorter than the actual tread nosing to ensure the plugs and mechanisms are encapsulated within the nosing and are not visible. Latham's recommend the LED's are wired in parallel and each LED strip light is powered from a main power feed running down 1 side of the treads if possible.

For simple installation, consider using the purpose manufactured **Latham Step Link Wiring Saddle Connections** and **Source Feedwire Connections**. Further details can be found in Optional Extras of page 5.

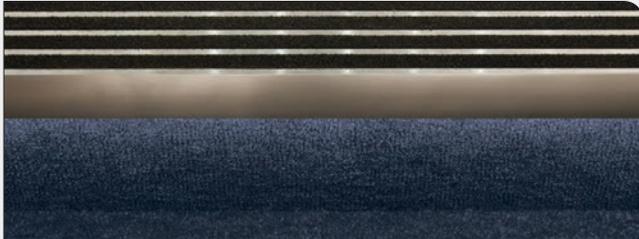
The LED Tredlite Illuminated Stair Tread Nosings are supplied standard with warm white LED lighting source. The light source will be supplied in the full run length required for each individual tread. On request the LED light Insert can be supplied in bright white, red, blue, green or yellow. The power consumption of the system is less than 5 watts per metre of LED lighting. We recommend that a maximum of 20 metres of LED lighting be run from 1 transformer. In applications where treads are large distances apart, additional transformers will be required.

\*Although the system is suitable for external applications, Latham recommend it only be used in protected external applications since over time moisture can affect the wiring connections .



## Visual Finishes and Colours

The Latham Asbraloy and Asbrabronz Series 2 Tredlite Systems are available in a range of visual finishes and colours. This page sets out the visual appearance of each option and the LED insert colours. Unless otherwise specified the LED's will be supplied in warm white colour.



**FL Series (Standard Tredlite Detail).**  
Fan lighting the riser and the tread below.



**DEC Series.** 6mm visual holes at approximately 66mm centres allow the LED's to be seen in the riser of the nosing, whilst also fan lighting the riser and the tread below.

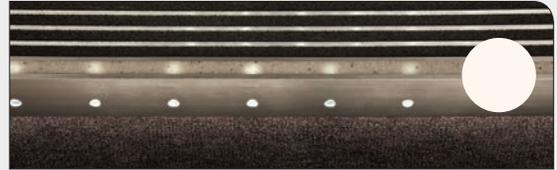


**TOP Series.** 6mm visual holes at approximately 66mm centres allow the LED's to shine up through the off white visual front bar, whilst also fan lighting the riser and the tread below.

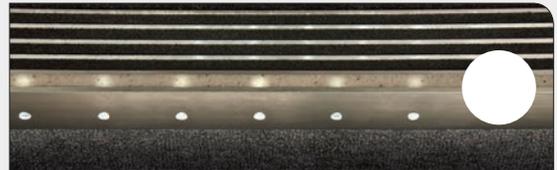


**TOPDEC Series.** 6mm visual holes at approximately 66mm centres allow the LED's to shine up through the off white visual front bar and through the visual holes at approximately 66mm centres in the riser of the nosing, whilst also fan lighting the riser and the tread below.

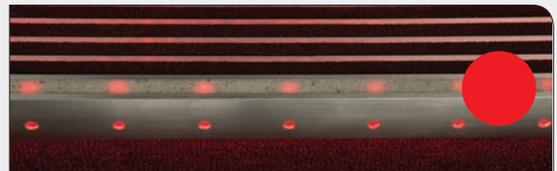
\* The above photos is a set of stairs with stair goings 300mm. The coloured light reflecting off the aluminium strips between the silicon carbide inserts shining down from the nosing on the step above. This effect will vary depending on the floor finish type and colour, surrounding lighting, the length of the goings and the tread types selected. This effect will not occur on a tread that does not have a Tredlite Nosing immediately above it.



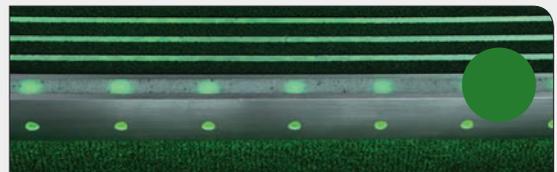
**WARM WHITE LED INSERTS (STANDARD COLOUR) \***



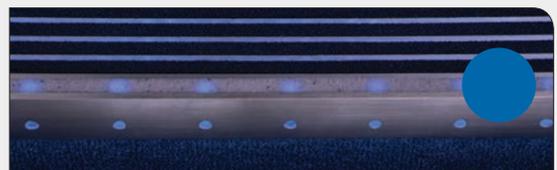
**BRIGHT WHITE LED INSERTS \***



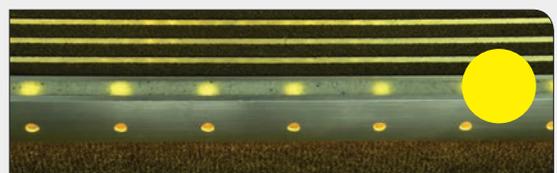
**RED LED INSERTS \***



**GREEN LED INSERTS \***



**BLUE LED INSERTS \***



**YELLOW LED INSERTS \***



sparkling black



brown



buff



terracotta



silver grey



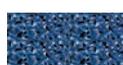
off white



teak



cactus green



blue



blue grey



safety yellow



teal

**Colour Range  
Slip Resistant Infill**

\*Lumo-Luminescent  
glow-in-the-dark infill

# Latham LED Tredlite Decorative Nosing & Flooring Systems

## General Tredlite Information

**Economical and easy to install, Latham Illuminated LED Tredlite Decorative Safety Stair Treads provide visual enhancement and slip resistant protection for pedestrians, building occupants and owners. The stair tread nosing highlights the leading edge of the stair and are filled with slip-resistant Suregrip and Supagrit silicon carbide mineral granules for heavy and light duty applications. Service factors must be taken into consideration when selecting stair tread profile.**

### Lengths

All Asbraloy and Asbrabronz Tredlite profiles are supplied factory cut to the site required length (up to 4600mm in a single continuous length) complete with countersunk holes, stainless steel or brass screws (depending on the selected section) and plastic plugs. On request the material can be supplied for on site drilling.

All Asbraloy and Asbrabronz Tredlite Safety Stair Tread Nosings are discreetly stamped on the surface close to one end as manufactured by Latham Australia, which ensures installed material can be identified in the future and is the clients confirmation that the specified product has been installed.

Factory Cutting Tolerance: +0/-3mm.

### Finishes

Asbraloy Aluminium Tredlite profiles are supplied in mill finish. On request Tredlite profiles can be supplied with a polished bullnose or in clear anodized finish at additional cost.

Asbrabronz Brass Tredlite profiles are supplied in brush finish. On request Tredlite profiles can be supplied with a polished bullnose.

### Screw Fixings

Holes will be provided in the treads to suit 8 gauge stainless steel or brass screws at Latham's standard 250mm centres (note details under ACCESSORIES-FIXING below). Any special machining, mitring, modifications or alternative hole locations will be considered at extra cost.

### Slip Resistance Testing

Slip Resistance Performance Testing for Asbraloy and Asbrabronz Tredlite profiles can be found on page 54 of Stair and Flooring Catalogue 13 and at [latham-australia.com](http://latham-australia.com).

### Luminance Contrast

Details of Luminance contrast for Asbraloy and Asbrabronz products can be found on page 54 of our Stair & Flooring Catalogue 13 and at [www.latham-australia.com](http://www.latham-australia.com).

### Accessories-Fixings

#### Stainless Steel, Brass, or Blackened Steel Countersunk Head Screws on request.

Use 8 gauge for slip-resistant nosings and Asbra Resilient nosings. Blackened steel should not be used externally. Unless otherwise specified 25mm 8G screws (stainless steel for Asbraloy and brass for Asbrabronz) will be supplied.



25mm, 31mm and 37mm x 8G

**Plastic Plugs.**

To suit 8 Gauge screws.

#### Stainless Steel Screws with Powder Coated Heads.

Heads are powder coated to match silicon carbide mineral insert colour. Available on request.

Specify "with Stainless Steel Screws with Powder Coated Head to match Latham Stair Tread Insert Colour."



37mm x 8G

#### Mechanical Expansion Shield Fixing (M6) Countersunk Head.

Countersunk head will protrude wider than silicon carbide bar.

Specify "with Mechanical Expansion Shield Fixings."



#### 3/16 Stainless Steel Countersunk Head Metal Thread Screws and Nuts.

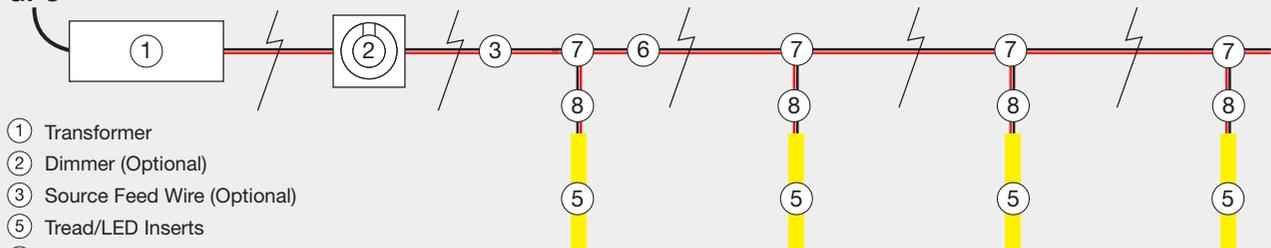
Lengths: 16mm (standard) and 38mm.

Specify "with Stainless Steel Countersunk Head Metal Thread Screws and Nuts."



## Electrical Connection Installation by Professional Electrician

### GPO



- ① Transformer
- ② Dimmer (Optional)
- ③ Source Feed Wire (Optional)
- ⑤ Tread/LED Inserts
- ⑥ Electrician Feed
- ⑦ Electrician Connection
- ⑧ LED Wire Connection

## Value Added Optional Extras

Latham offer a range of value added optional extras for our systems, which will enhance your Tredlite application and make installation easier.

### Power Supplies/Transformers (PS24V)

Latham recommend the use of our 24V, 1.8 Amp, fully enclosed transformers, which are designed to power 20 metres of Tredlite LED in standard stair configurations. Where there are large distances between treads like in tiered foyers additional power supplies should be considered to overcome voltage drop. These transformers have been specially designed and manufactured for use with the Latham Tredlite system.



PS24V

### Source Feed Wire Connections (SFW5) (SFW15)

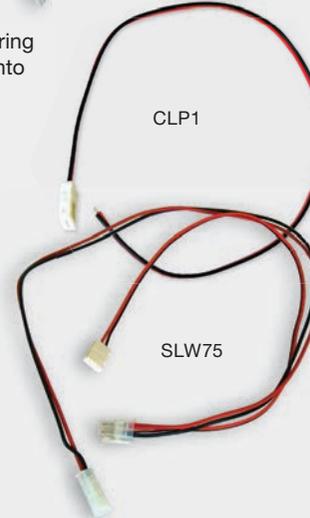
Source Feed Wire Connections are available to feed the power from the Power Supplies/Transformers or the Tredlite Dimmers to the Tredlite system and hook into the Step Link Wiring Saddle Connections. They are available in lengths of 5 metres (SFW5) and 15 metres (SFW15).



SFW5V

### LED Wire Connection (CLP1)

Standard CLP1 LED connections will be supplied with the Tredlite system unless the Step Link Wiring Saddle Connections are specified. The standard LED wire connections are designed to be wired into the electricians' power feed wire. They are supplied with 400mm figure 8 colour coded wire tails.



CLP1

### Step Link Wiring Saddle Connections (SLW75)

Step Link Wiring Saddle Connections (SLW75) are available for ease of installation of the Tredlite System. They are supplied in 750mm (SLW75) with figure 8 wire lengths. They include a connection to the LED Tredlite inserts plus a male and female plug to connect to the previous and following Tredlite LED Insert. The Step Link Wiring Saddle Connections have low profile connections which can easily be hidden under carpet or in the end of the treads. This makes the installation of the Tredlite system much simpler and reduces the need for time consuming on-site electrical connections.



SLW75

### Tredlite Dimmer Standard (TLD1)

Tredlite Dimmer Standard (TLD1) is a surface mounted dimmer boxer with toggle switch, fitted between the transformer and the LED Tredlite insert. Each Tredlite Dimmer will control up to 20 metres of Tredlite and have a dimming range from 0-100%. The quantity of dimmers required should match the number of power sources being used. (Approximate size 87mm x 87mm x 55mm).



TLD1

### Tredlite Dimmer Deluxe (TLD2)

The Tredlite Dimmer Deluxe (TLD2) is supplied as above for manual operation. It will also be supplied with a short range infrared remote control, which can dim the LED lighting systems to up to 8 brightness levels. This is particularly handy when more than 1 dimmer is being used to ensure the end effect of each set of stairs is similar. The remote also brings, off; and delay off; functionality to the Tredlite system. One dimmer is required for each power supply. (Approximate size 87mm x 87mm x 55mm).

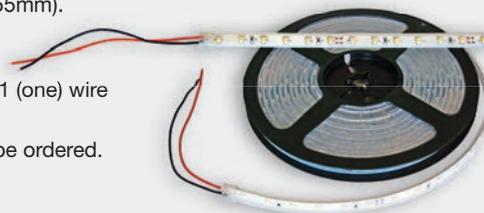


TLD2

### Replacement LED Inserts

Replacement LED Inserts are supplied in 5 metre rolls for site cutting to length. 1 (one) wire connection will be supplied with each role.

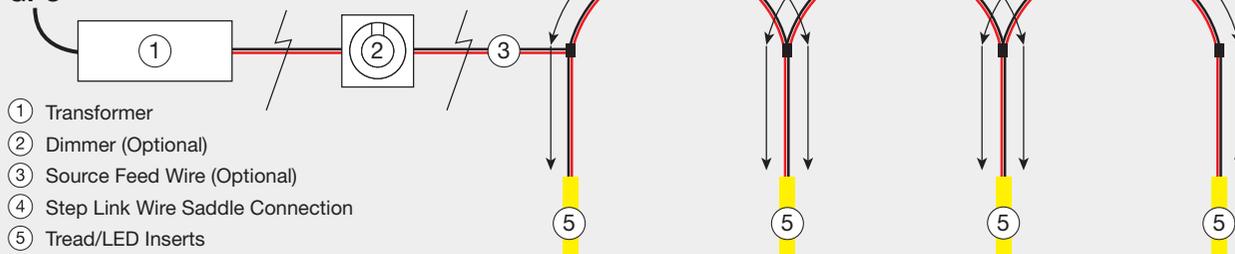
If additional connections or step link wiring saddles are required these need to be ordered.



## Plug-N-Go Install Using Latham Supplied Optional Extras

Electrical connection using Latham Source Feed Wire Connectors and Step Link Wiring Saddles.

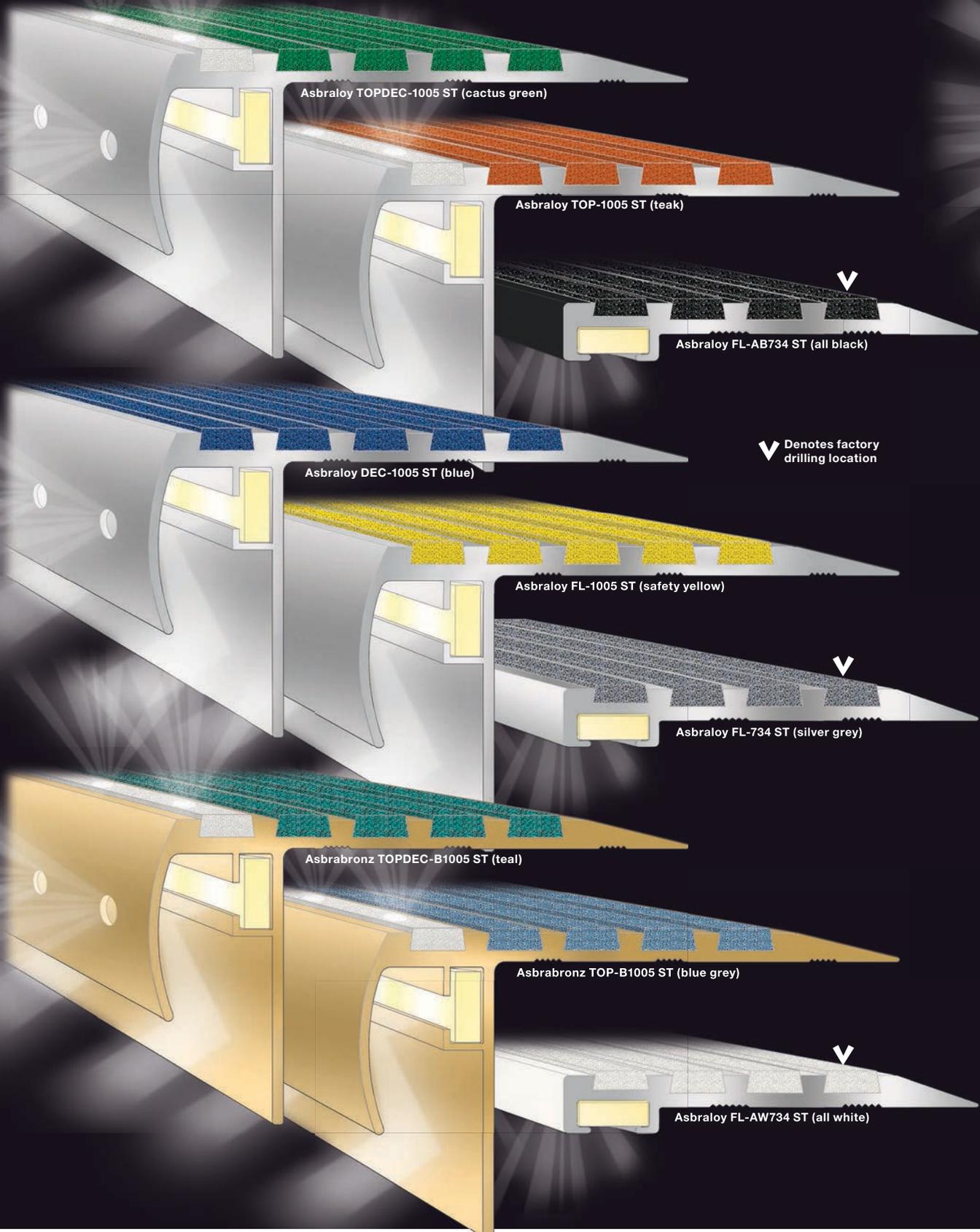
GPO

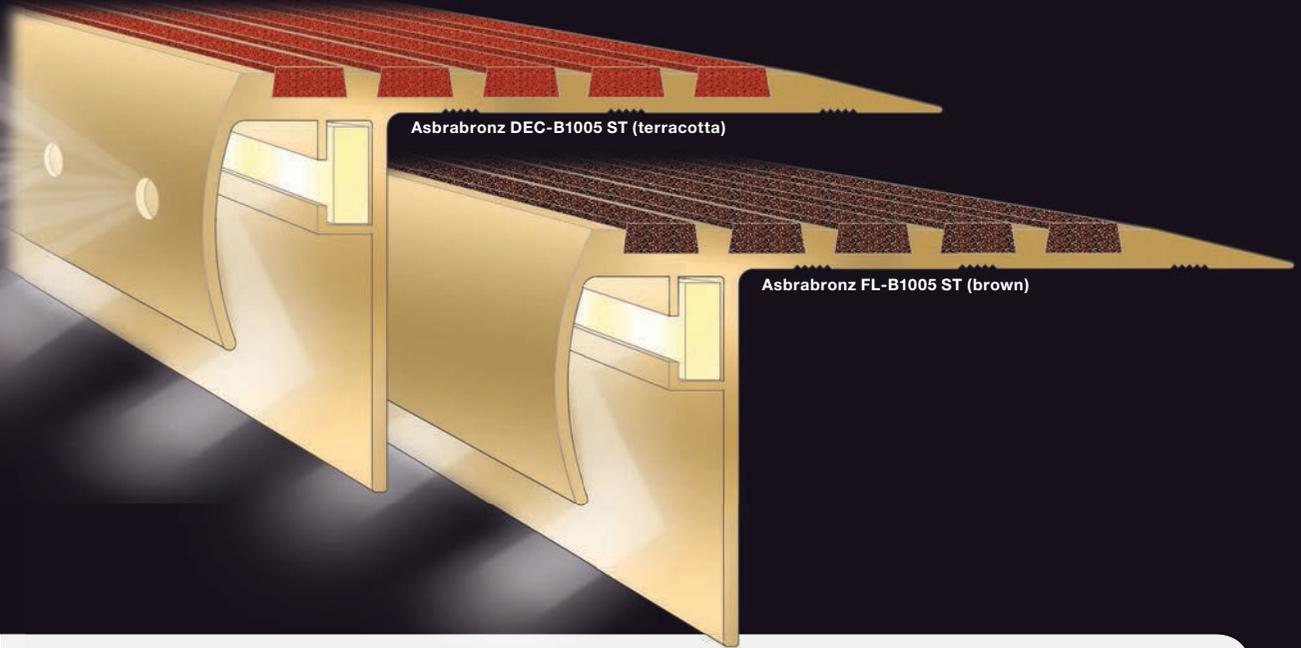


- ① Transformer
- ② Dimmer (Optional)
- ③ Source Feed Wire (Optional)
- ④ Step Link Wire Saddle Connection
- ⑤ Tread/LED Inserts

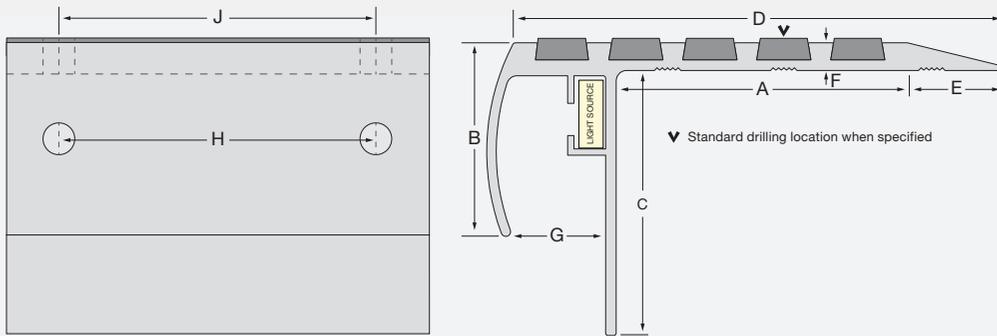
# Latham LED Tredlite Decorative Nosing & Flooring Systems

## Surface Mounted Series





### Product Guide

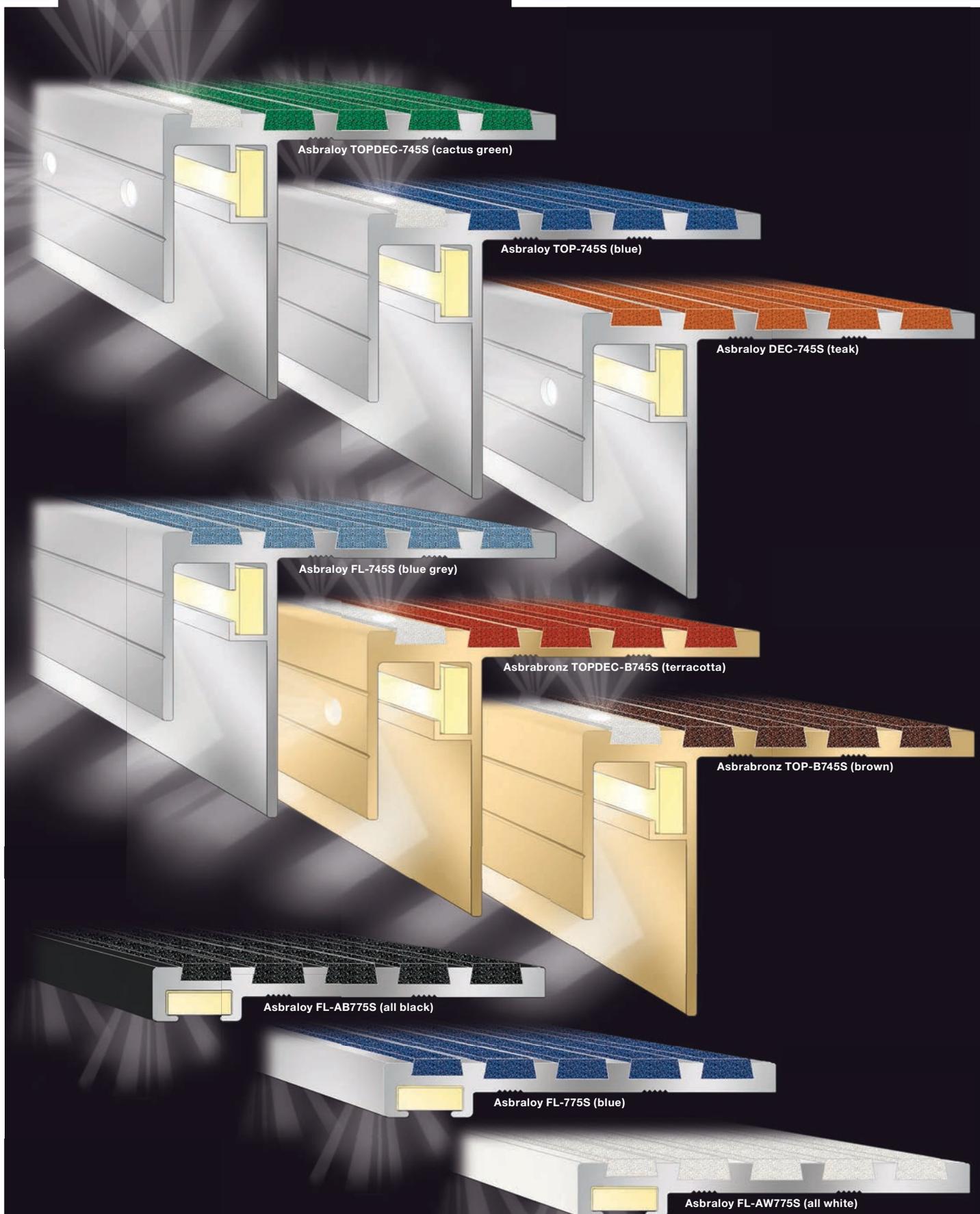


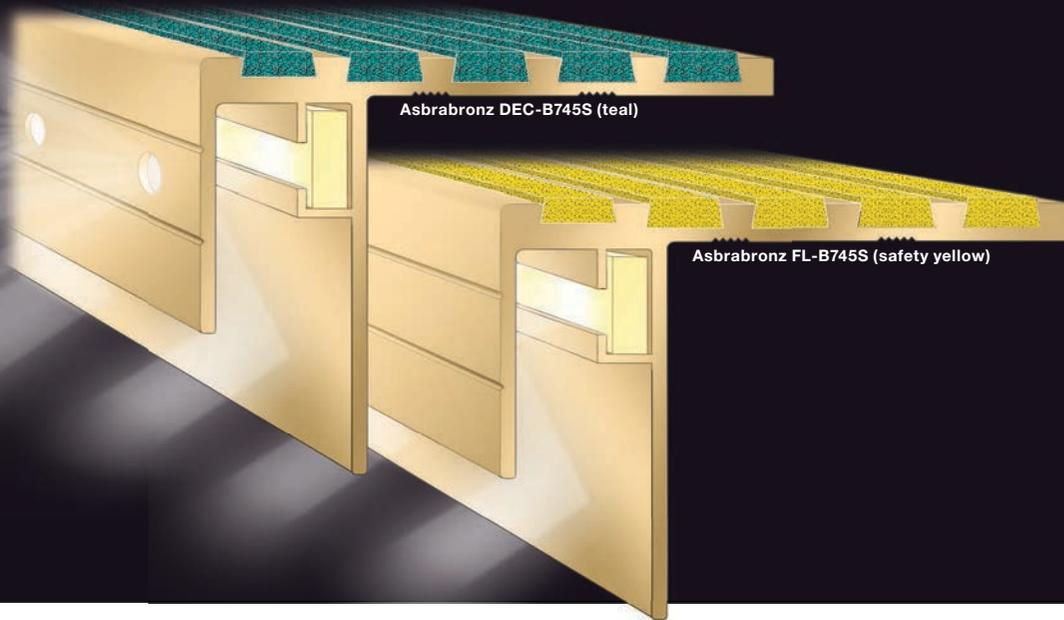
All measurements are in millimetres

Product No.	Metal Type	Lighting Effect	A	B	C	D	E	F	G	H	J
TOPDEC-1005 ST	Aluminium	Upwards Through Tread, Visual Through Decorative Face and Downward Fan Lit	53	37	50	93	18	5	18	66	66
TOP-1005 ST	Aluminium	Upward Through Tread and Downward Fan Lit.	53	37	50	93	18	5	18	-	66
FL-AB734 ST	All Black Aluminium	Fan Lit Downward	42	10	5	75	15	5	17	-	-
DEC-1005 ST	Aluminium	Visual Through Decorative Face and Downward Fan Lit	53	37	50	93	18	5	18	66	-
FL-1005 ST	Aluminium	Fan Lit Downward (Standard)	53	37	50	93	18	5	18	-	-
FL-734 ST	Aluminium	Fan Lit Downward	42	10	5	75	15	5	17	-	-
TOPDEC-B1005 ST	Brass	Upwards Through Tread, Visual Through Decorative Face and Downward Fan Lit	53	37	50	93	18	5	18	66	66
TOP-B1005 ST	Brass	Upward Through Tread and Downward Fan Lit.	53	37	50	93	18	5	18	-	66
FL-AW734 ST	All White Aluminium	Fan Lit Downward	42	10	5	75	15	5	17	-	-
DEC-B1005 ST	Brass	Visual Through Decorative Face and Downward Fan Lit	53	37	50	93	18	5	18	66	-
FL-B1005 ST	Brass	Fan Lit Downward (Standard)	53	37	50	93	18	5	18	-	-

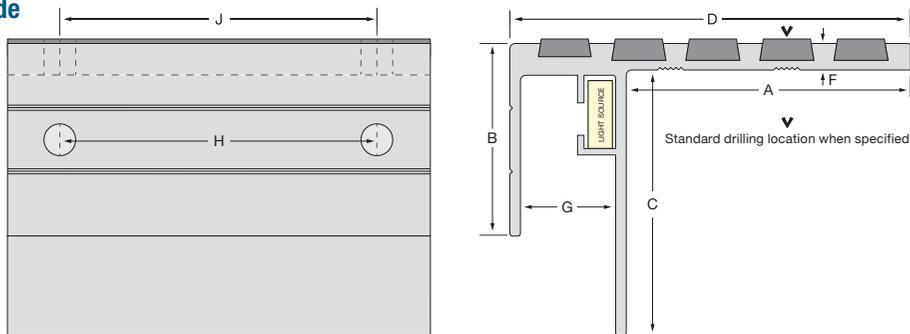
# Latham LED Tredlite Decorative Nosing & Flooring Systems

## Recess Mounted Series





### Product Guide

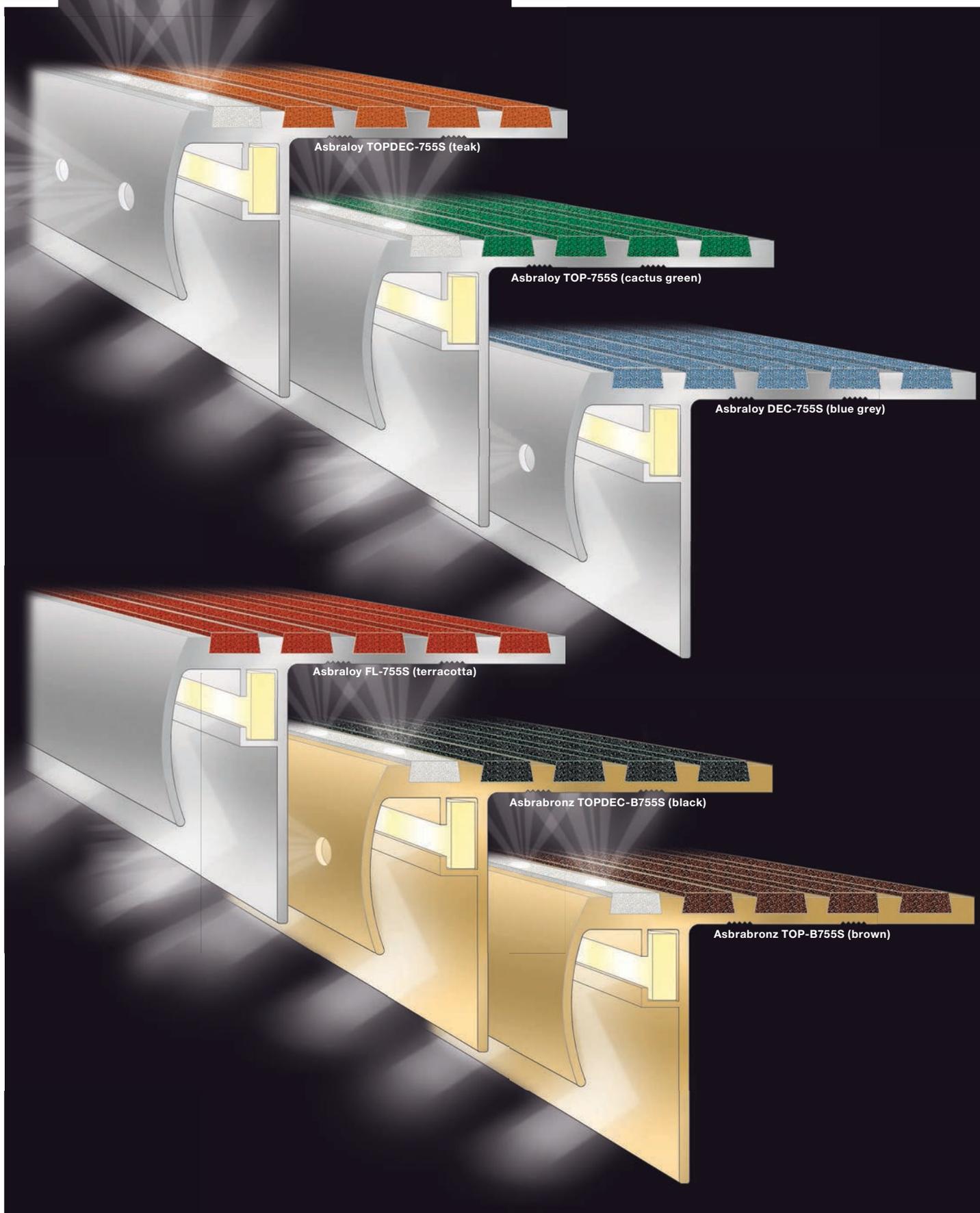


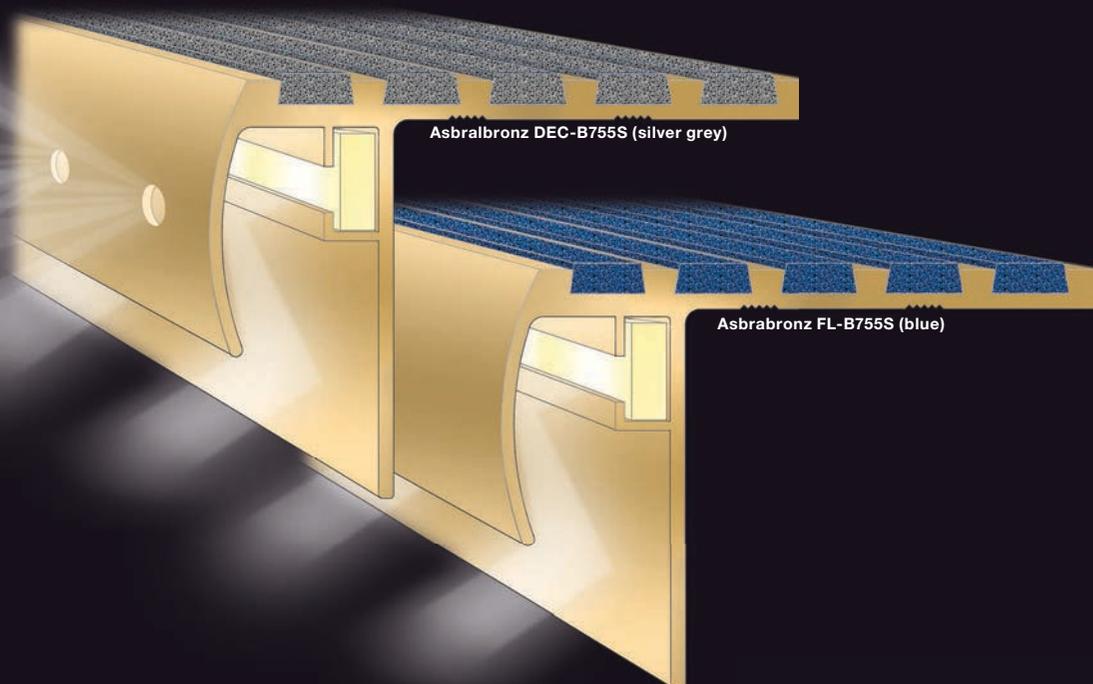
All measurements are in millimetres

Product No.	Metal Type	Lighting Effect	A	B	C	D	E	F	G	H	J
TOPDEC-745 S	Aluminium	Upwards Through Tred, Visual Through Decorative Face and Downward Fan Lit	53	37	50	75	-	5	18	66	66
TOP-745 S	Aluminium	Upward Through Tred and Downward Fan Lit.	53	37	50	75	-	5	18	-	66
DEC-745 S	Aluminium	Visual Through Decorative Face and Downward Fan Lit	53	37	50	75	-	5	18	66	-
FL-745 S	Aluminium	Fan Lit Downward (Standard)	53	37	50	75	-	5	18	-	-
TOPDEC-B745 S	Brass	Upwards Through Tred, Visual Through Decorative Face and Downward Fan Lit	53	37	50	75	-	5	18	66	66
TOP-B745 S	Brass	Upward Through Tred and Downward Fan Lit.	53	37	50	75	-	5	18	-	66
DEC-B745 S	Brass	Visual Through Decorative Face and Downward Fan Lit	53	37	50	75	-	5	18	66	-
FL-B745 S	Brass	Fan Lit Downward (Standard)	53	37	50	75	-	5	18	-	-
FL-AB775 S	All Black Aluminium	Fan Lit Downward	58	10	5	75	-	5	17	-	-
FL-775 S	Aluminium	Fan Lit Downward	58	10	5	75	-	5	17	-	-
FL-AW775 S	All White Aluminium	Fan Lit Downward	58	10	5	75	-	5	17	-	-

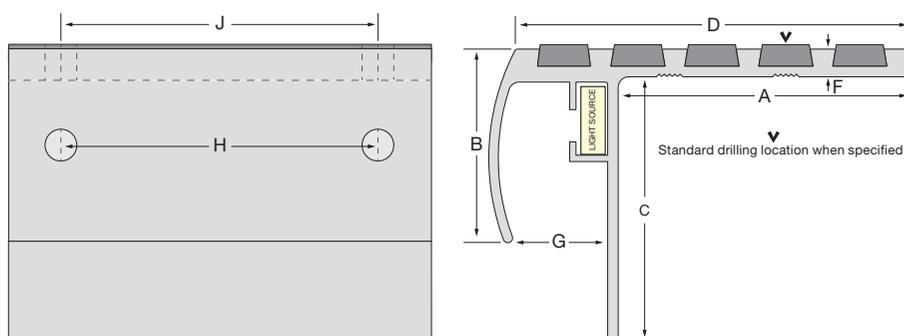
# Latham LED Tredlite Decorative Nosing & Flooring Systems

## Recess Mounted Series





## Product Guide



All measurements are in millimetres

Product No.	Metal Type	Lighting Effect	A	B	C	D	E	F	G	H	J
TOPDEC-755 S	Aluminium	Upwards Through Tread, Visual Through Decorative Face and Downward Fan Lit	53	37	50	75	-	5	18	66	66
TOP-755 S	Aluminium	Upward Through Tread and Downward Fan Lit.	53	37	50	75	-	5	18	-	66
DEC-755 S	Aluminium	Visual Through Decorative Face and Downward Fan Lit	53	37	50	75	-	5	18	66	-
FL-755 S	Aluminium	Fan Lit Downward (Standard)	53	37	50	75	-	5	18	-	-
TOPDEC-B755 S	Brass	Upwards Through Tread, Visual Through Decorative Face and Downward Fan Lit	53	37	50	75	-	5	18	66	66
TOP-B755 S	Brass	Upward Through Tread and Downward Fan Lit.	53	37	50	75	-	5	18	-	66
DEC-B755 S	Brass	Visual Through Decorative Face and Downward Fan Lit	53	37	50	75	-	5	18	66	-
FL-B755 S	Brass	Fan Lit Downward (Standard)	53	37	50	75	-	5	18	-	-

“Quality products engineered and crafted to meet tomorrow’s needs today...”

Over 60 years in the business is proof that we stand behind those words. We customise our products to fit your projects needs.

At Latham, we’re dedicated to bringing you the highest quality products at competitive prices. Let us be an integral part of your next project.

**WARRANTY POLICY**

Latham Australia Pty Ltd warrants to its purchasers that all products sold by it will upon delivery be free from defects in materials and workmanship. This warranty shall extend for a period of one (1) year following the date of shipment by us. Any claim in respect of a defective product must be made in writing prior to the expiration of the warranty period and must give particulars of the alleged defect. Subject to acceptance by us of the claim we agree to make good such defective product by repair or replacement (at our option) at our factory. All other costs whatsoever including the costs of disassembly and reinstallation and the cost of transport to and from our factory if applicable shall be borne by the purchaser. It is a fundamental condition of sale that all other warranties of any kind whether statutory or otherwise and whether express or implied are hereby excluded and that we accept no responsibility for consequential loss or damage of any kind.

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All sizes in this publication are shown in millimetres.

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The information provided is not exhaustive and is for guidance only. It is recommended that the user obtain independent professional advice for a particular installation or site condition(s).

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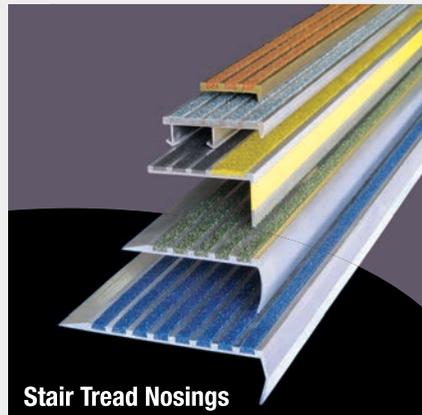
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**Mechanical Expansion Joint Covers**



**Stair Tread Nosings**



**Neoprene-X-Pansion Loc & Tile Strips**



**Tactile Indicator Studs**



**Dock Bumpers**



**Wall Protection Systems**



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