



**Ecolite**

**Real Timber - Real Solutions**

**Lightweight Beams and Panels**

*Inventive · Adaptable · Sustainable*

[www.gen-eco.com.au](http://www.gen-eco.com.au)



# Think outside the rectangle

With Ecolite beams, you are not confined by shape or even thickness as we can produce structures up to 98mm thick of varying shapes and lengths. Of course, available in timber veneer, laminate, vinyls and digital print.

We have many architects and designers specifying Ecolite products due to their diversity of applications.



Allow your imagination to soar and dream up interesting shapes such as wave formations and freeform profiles. Combinations of horizontal and vertical beams will always give a stunning effect.





Ecolite beams and panels are available in a wide variety of options using the Ravinkk digital printing process. This allows the customer to use a type of timber or pattern and even colour that is customised and unique to the specific project.

### **Advantages of Digital Printing**

- Beams and panels do not require any additional coating and are ready for installation.
- Flexibility in choice of image to be utilized.
- More than one image or graphic can be overlaid to produce stunning results.
- Client specific branding can be achieved.
- Expensive or even hard to get timbers can be printed in large quantities.
- Chosen timber can be made lighter or darker to suit a particular application.
- Realistic beams that look like timber, concrete, metal or anything you can imagine are now achievable.







## Can't see what you require here?

All of these beams can be printed in a different tonal variation - darker or lighter. Need a custom printed beam? We can scan and print whatever you want.



# Natural Timber Veneers



**Truly Stunning Results** can be achieved by utilising the lightweight advantages of Ecolite Balsa beams in combination with the extensive choice of natural timber veneers. Veneers can be selected from natural timber, or reconstructed (man-made) options.





# Timber Veneer Range

Timber veneers featured on this page are just a starting point. Veneers can be selected from all major veneer

suppliers, including both natural timbers as well as man-made (reconstructed) veneers.



American Beech



American Cherry



American Walnut



Blackbutt



Brush Box



Grey Ironbark



Jarrah



New Guinea Rosewood



Old Walnut



Red River Gum



Rock Maple



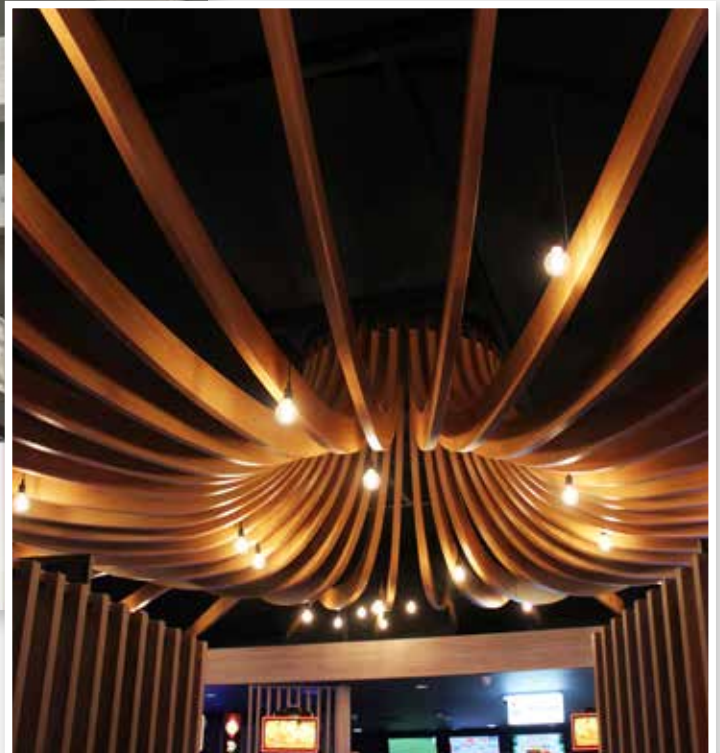
Spotted Gum

# Special Options



Clients have the flexibility to create over-size chunky beams that would be virtually impossible to install using conventional methods. Hollow-box beams, the look without the weight - from weathered timber to formed concrete.

Engineering costs are 'out the window', and combined with utilising digital print the possibilities are endless.



Require beams that are a unique shape?

We have the facilities to customise to suit your project however complex you believe that it may be. Try us!





Dark Distressed Oak - Atlas Apartments, Southbank.



Darkened Walnut - Theiss Head Office, Brisbane.



Spotted Gum - Scottish Pacific Office, Sydney.



Rough Cut Oak - 75mm 'Chunky Beams'. Coomera, QLD.



Birch Tapered Beams with LED inserts - Beerwah, QLD.

# Installation Details



Installation method. Booker Rod and Furring Channel. Beams are top fixed through the furring channel.



Installation method. Coffered ceiling using a combination of Ecolite Beams with MDF panels, featuring concealed lighting.



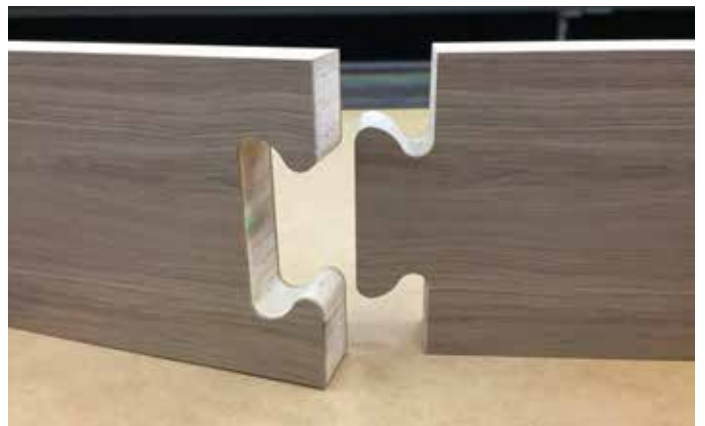
Installation method. Battens are back screwed through MDF panel.



Installation method. End caps to suit timber grain glued in place.



Installation method. Using a timber batten fixed to the ceiling the Ecolite beam is routed, fitted over the batten and secured by pins through the side of the beam into the batten.



Installation method. This unique method allows for a simple and strong joint over a long run of beams. Looks good too!

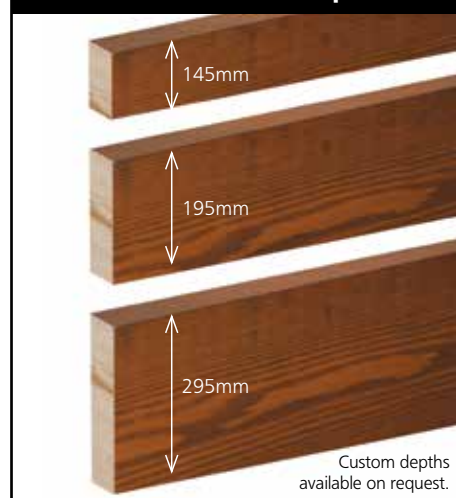


## Standard depth and thickness guide

	Standard Lengths	145mm depth	195mm depth	295mm depth	Fire Hazzard
<b>Digital Print</b>	2400mm	35/50/75mm	35/50/75mm	35/50/75mm	Group 3
	3600mm	35/50/75mm	35/50/75mm	35/50/75mm	Group 3
<b>Timber Veneer*</b>	3600mm	35/50/75mm	35/50/75mm	35/50/75mm	Group 3
	2400mm	35/50/75mm	35/50/75mm	35/50/75mm	Group 3
<b>Laminate**</b>	3600mm	35/50/75mm	35/50/75mm	35/50/75mm	Group 3

\* subject to length of veneer available \*\* subject to sheet size of laminate available

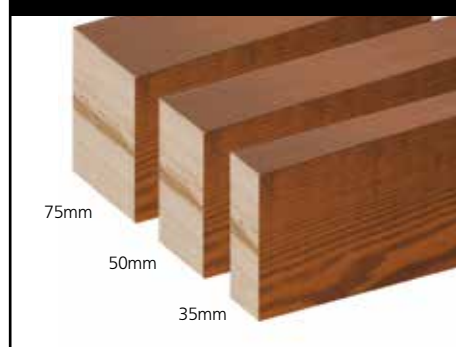
## Standard beam depths



## Weight guide by beam length and depth

	Per L/m	2400 length	3600 length
<b>35mm</b>	2.1kg	5.1kg	7.6kg
<b>50mm</b>	2.5kg	6.0kg	9.0kg
<b>75mm</b>	3.1kg	7.4kg	11.1kg

## Standard beam thicknesses



## How to specify Ecolite Beams for ceiling application.

### Select Size:

Beams to be ..... Length by ..... Depth by ..... Thickness.

Beams to be installed at ..... centres.

### Select Finish:

Digital Print ..... Standard Option ..... Special as per Sample .....

Timber Veneer ..... Is Coating Required? .....

Laminate ..... Supplier .....

Vinyl .....

### Installation Method:

Booker Rod with Furring Channel ..... Top Fix ..... Bottom Fix .....

Striplox. Pro 23 ..... Pro 55 ..... Clip 50 ..... Flush Fix ..... Shadow Line Fix .....

In conjunction with Rondo Ceiling System .....

### LED Lighting:

Are LED Lighting strips required in conjunction with beams? .....

# Ecolite - The Balsa Story.

Balsa is the world's lightest and fastest growing tree with commercial applications.

At Gen-Eco Environmental Wood Products, we use end grain panels produced from 100% FSC certified plantation Balsa.

We sandwich the balsa within a thin MDF skin (typically 3mm). This creates a particularly light yet strong product. This construction has extremely high strength and stiffness-to-weight ratios, and achieves an excellent bond with all types of resins and adhesives. It is compatible with a variety of manufacturing processes and is

resistant to temperature changes and exposure to fire. It is an ideal core material for an extensive range of applications whilst being a renewable resource.

Gen-Eco's Ecolite beams and panels provide lightweight and cost effective solutions for ceiling and wall applications.

With the flexibility of selecting from digital print, timber veneer, laminate and vinyl, we offer the widest selection of choice available in the Australian market.



Head Office:	18 Christensen Road, Stapylton, Qld 07 3807 9308
Tony George.	Mob. 0419 152 485 Email. <a href="mailto:tony@gen-eco.com.au">tony@gen-eco.com.au</a>

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Qld Sales Manager:	Ian McDonald Mob. 0498 992 740 Email. <a href="mailto:ian@gen-eco.com.au">ian@gen-eco.com.au</a>
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Qld Specification:	Madeline Sinclair. Mob. 0457 447 160 Email. <a href="mailto:madeline_sinclair@outlook.com">madeline_sinclair@outlook.com</a>
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Qld Trade Sales:	Matt Johnson. Mob. 0429 075 780 Email. <a href="mailto:matt@gen-eco.com.au">matt@gen-eco.com.au</a>
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South Australia:	Matt Guy. Mob. 0418 478 469 Email. <a href="mailto:matt@guysurfaces.com.au">matt@guysurfaces.com.au</a>
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NSW, Vic, Tas, WA, NZ:	Tony George. Mob. 0419 152 485 Email <a href="mailto:tony@gen-eco.com.au">tony@gen-eco.com.au</a>
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