

# Beam Calculator



FLOORSPAN  
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## Help Guide



**Contact**

w. [floorspan.co.uk](http://floorspan.co.uk)

t. 01945 476161

# A Guide to Buying Your 150mm Lightbeam Online



How to use the calculator



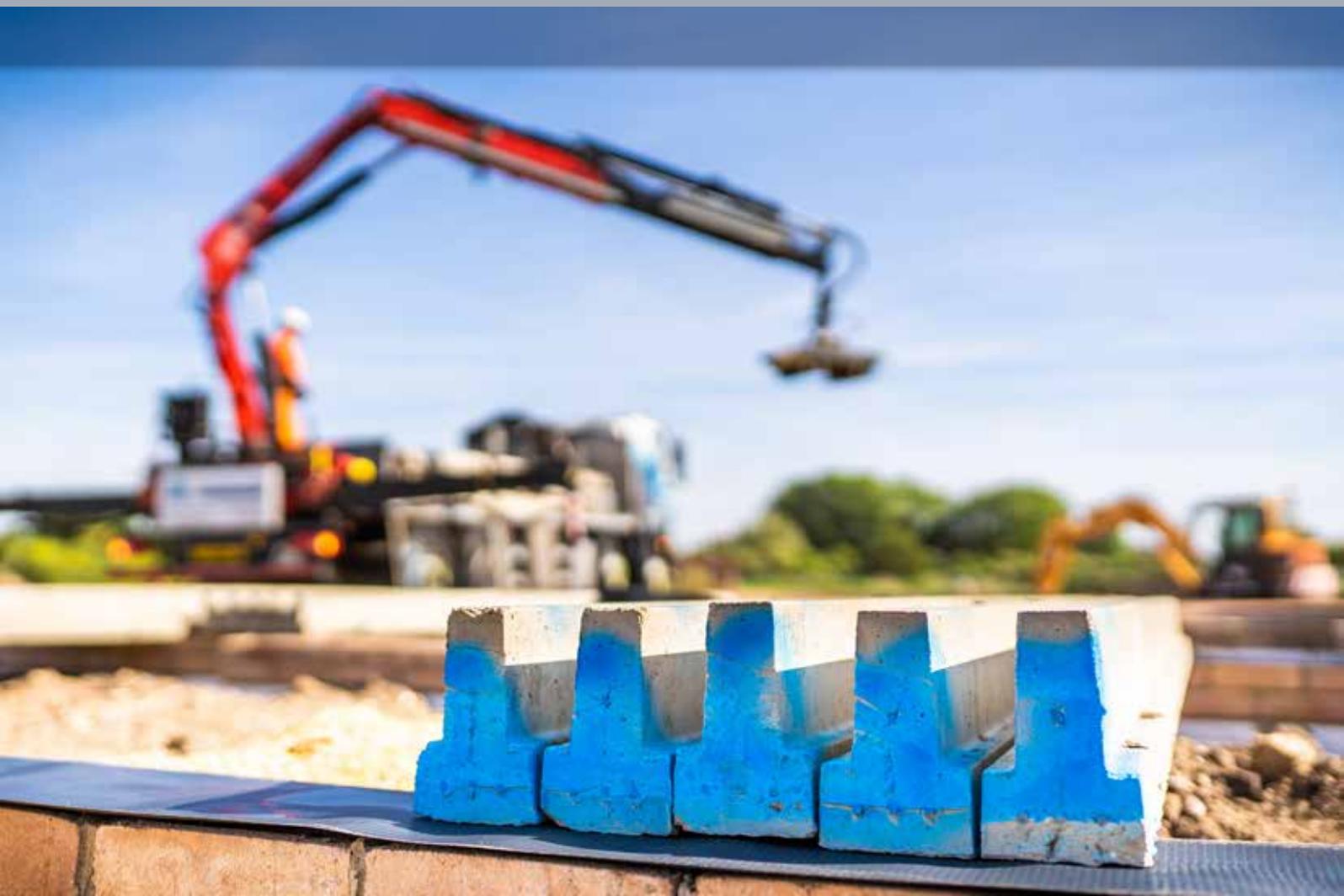
Lightbeam performance



Lightbeam delivery



Lightbeam installation



# How to Use The Calculator

The Floorspan beam calculator lets you choose the number and length of 150 mm lightbeams you require for you project.

This tool has been provided for when you know what beam you need on-site and do not require a bespoke design drawing.

**Please Note-** Currently, only our 150mm deep 'lightbeam' is available through the calculator.

**Please Note-** The shortest beam length available on the calculator is 0.5m. The longest is 4.5m.

**Step 1** - Just enter your postcode so that we can work out your delivery cost.

**Step 1a** - Select whether or not you are / would like to be an account customer. This will affect how we process your order and payment.

POST CODE

ARE YOU AN ACCOUNT CUSTOMER

NEXT

No. Beams	Beam Length (mm)
5	1600
Add Row +	Remove Row -

**Step 2** - You may need several different beam lengths. For the first length, enter the number you need and the length as pictured.

**Step 3** - If you require other beam lengths, click 'Add row +' and enter the number and length as before. Repeat until you have entered all lengths required.

No. Beams	Beam Length (mm)
5	1600
10	3850
Add Row +	Remove Row -

Linear m	Price
8.00 m	£ 38.40
38.50 m	£ 184.80
46.50 m	£ 223.20

**You'll see a running total of costs on the right hand side.**

**Step 4** - Select delivery or collection as required. (Collection available from our manufacturing facility in Wisbech, Cambs). Then click 'next.'

Delivery

Collection

# OF RIGIDS      COST INC HAULAGE      TOTAL WEIGHT  
1                      £ 353.00                      1.16t

NEXT

# Payment

After inputting your required beam lengths clicking next you will be taken to your order summary page.

We will confirm what you are about to order.

If this is correct, please click the 'Please Proceed to Payment' button.

## ORDER SUMMARY

### LIGHT BEAM

Quantity	Length
99	2100 m

### Total Price (inc Delivery)

£ 1,128 Net

PLEASE PROCEED TO THE ORDER STAGE NOW.

First Name:	<input type="text" value="Joe"/>
Last Name:	<input type="text" value="Bloggs"/>
Email:	<input type="text" value="joe.bloggs@yourcompany.com"/>
Site Address:	<input type="text" value="Your Company"/>
Site Postcode:	<input type="text" value="TE5T"/>
Preferred delivery/collection date:	<input type="text" value="29/10/2020"/> 
Phone Number:	<input type="text" value="0123456789"/>

SUBMIT

Next, please fill in the form. Note that here we are looking for your site details here, there will be forwarded on to the transport department to arrange delivery.

Please enter your preferred delivery date. The current estimated lead time is visible at the top of the order summary page.

Then, click submit.

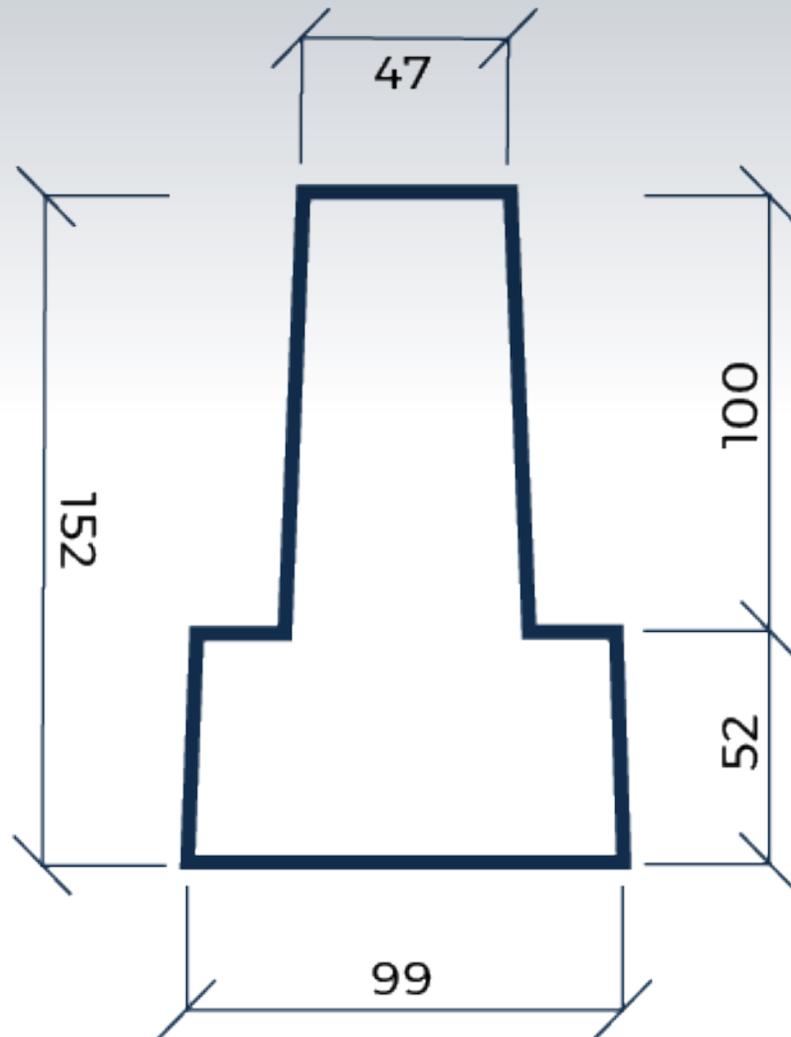
**Account Customers-** When you click submit, your order is placed. A confirmation will be sent to you and our accounts department who will raise an order. A member of the transport team will be in contact to arrange delivery.

**Non Account Customers-** After clicking submit, you will be taken to our stripe secure payment portal. Here you will be asked to enter your payment details. After submitting this form, your order is placed. You will then be redirected to the main website.

A member of the transport team will be in touch to arrange delivery.

# Lightbeam Performance

'Lightbeam' is our lightest concrete floor beam. It was developed to deal with the majority of domestic span / load conditions whilst remaining relatively easy to move about on site.



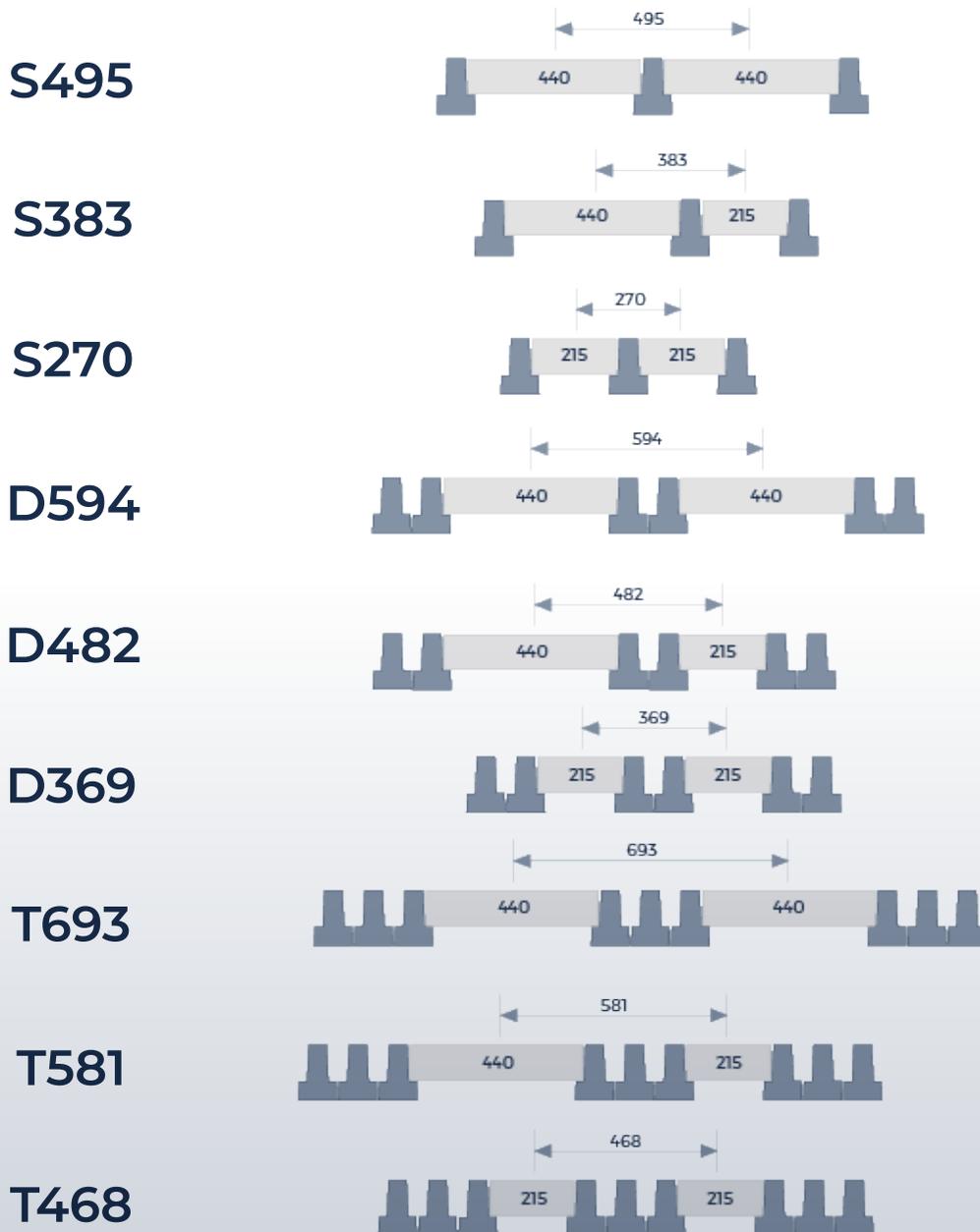
- Weighs just 25kg per l/m.
- Slim design saves on material costs.
- 150mm deep beams course easily with standard brick / block work.
- Easy to stack and store.
- Slim design saves on delivery costs.
- Exceeds European standards whilst remaining light and versatile.

# Beam Patterns

When you send in an enquiry to Floorspan, we use the available information to produce a cost-effective solution that is structurally sound and fit-for-purpose. When buying beams online, the responsibility is on the purchaser to ensure you have the right beams to construct a floor that is fit-for-purpose.

To help make sure you have ordered the correct beams, please refer to the standard beam patterns below and the span / load table on the following page.

**Please Note-** All patterns and spans are based on using 40 x 215 x 100 (mm), medium density (1450 KG/m<sup>3</sup>) infill blocks.



# Lightbeam Span / Load Tables

Below we have shown the typical performance of 150mm lightbeam in 3 common scenarios. Generally, lightbeam is used in residential scenarios. Note that a standard full block pattern should only be used to span a maximum of 4.29m with 1.5kN loading and 65mm screed. If you need to span longer distances, you will need to buy additional beams to allow for one of the patterns below.

150mm Lightbeam				
	Classic 'Residential' Scenario 1.5kN UDL / 65mm Screed (m)	Healthcare/School/Office Scenario 3kN UDL / 75mm Screed (m)	Commercial/Industrial Scenario 5kN UDL / 75mm Screed (m)	Beam & Block Configurations (mm)
S495	4.29	3.80	3.43	
S383	4.83	4.30	3.89	
S270	5.30	5.04	4.59	
D594	5.30	4.83	4.39	
D482	5.30	5.30	4.85	
D369	5.30	5.30	5.30	
T693	5.30	5.30	4.94	
T581	5.30	5.30	5.30	
T468	5.30	5.30	5.30	

# Blocks & Auxillary Items

Currently, it is not possible to order blocks or other items such as slip bricks, vents using the online tool. If you want to add these to your order or order all at once, please give us a call on 01945 476161.

Floorspan can provide the following additional items:

- Medium Density Infill Blocks
- Slip Bricks
- Air Bricks
- Vents

Please bear in mind that the online beam calculator has been designed for when you know the number and length of 150mm lightbeam you need on site. If you need a full estimate, please send your site plans to [www.floorspan.co.uk/getaquote/](http://www.floorspan.co.uk/getaquote/).





## Delivery

After completing your purchase, a member of the transport team will be in contact to arrange delivery. We have some of the best lead times in the industry.

We have a fleet of specialist vehicles all fitted with rear mounted hiab cranes for easy off load on site. Generally, deliveries are completed using a rigid lorry though it may be necessary to use a arctic.

In most cases we are able to offload beams directly onto the inner support

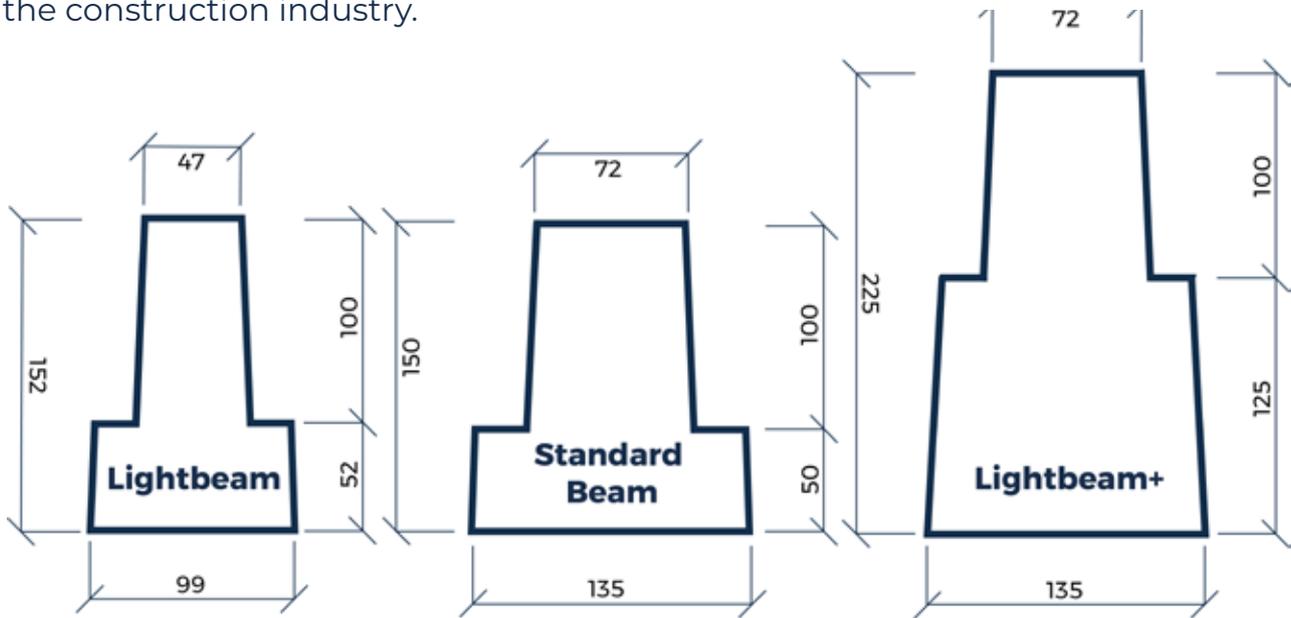
## Installation

When installing a beam and block floor we recommend folowing guidelines set out by a strucural engineer in keeping with current building regulations.

Floorspan offer an installation service which is quick, affordable and guarentees quality. To take advantage of this, please reply to your confirmation email or let us know when we call to arrange delivery.

# Floorspan Product Range

When producing your precast concrete floor design, we are able to use a combine different beam types and patterns. This ensures that we can provide the most cost effective solution without compromising on strength. Along with our hollowcore planks, our precast beams have all beam specifically designed to answer the needs of the construction industry.



Floorspan Contracts are a leading precast concrete manufacturer based in Wisbech, Cambridgeshire. Floorspan was established in 1997 and since then we have evolved into one of the largest precast concrete flooring specialists in the UK. Our customers benefit from a progressive company with a 6-acre production facility, a large fleet of specialist vehicles and an expert team of technical and support staff.



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