

# ANSELL FIRE RATED DOWNLIGHTS FULLY COMPLIANT IN ALL CEILING TYPES



*Is the fire rated downlight you use able to offer full compliance and corresponding test certification?*

Ansell Lighting's industry-leading downlights have passed relevant testing to ensure full compliance in all ceiling types. We have **full scale** test reports and certification for 30/60/90 minute duration tests on Solid Timber, I-Joist and Metal Web. The National House Building Council (NHBC), the UK's leading warranty and insurance provider for UK house-building for new homes, states that steps should be taken to ensure that fire rated downlights are compliant with Solid Timber, I-Joists and Metal Web ceiling constructions being used in new build homes. They state fire-resistant downlighters and fire-resistant hoods are only acceptable if test evidence supports their use in similar ceiling types.

There are 3 ceiling types used within the construction industry, each using a different type of ceiling joist – Solid Timber, I-Joist and Metal Web. Each of these constructions must be tested separately to 30, 60 and 90 minutes. A 90-minute test does not cover 30-minute and 60-minute durations!

All Ansell's fire rated downlights comply to the following:



**30, 60, 90**

Part B (Fire Safety)



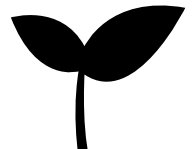
**PART C**

Part C (Moisture Protection)



**PART E**

Part E (Acoustic Resistance)



**PART L**

Part L (Energy Efficiency)

Product Range:		orbio360®	<b>iCAGE</b> Intelligent Fire Rated Technology	<b>EDGE</b> BLUO / FRD	<b>PRISM</b> FRD	<b>PRISM</b> FRD PRO
Solid Timber	30 min	WF408531	WF408531	WF408531	WF408531	WF414859
	60 min	WF408527	WF408527	WF408527	WF408527	WF414858
	90 min	WF408530	WF408530	WF408530	WF408530	WF414870
I Joist	30 min	WF408531	WF408531	WF416981	WF408531	WF416981
	60 min	WF408527	WF408527	WF416977	WF408527	WF416977
	90 min			WF419718		WF419718
Metal Web	30 min			WF416978		WF416978
	60 min			WF416978		WF416978



Contact [technical@anselluk.com](mailto:technical@anselluk.com) for more information

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## Solid Timber

The Solid Timber joist is the traditional ceiling joist used and typically is only found in domestic dwellings already constructed. They are widely used within internal floor and separating constructions, for both residential and commercial applications.



### Specification

#### 30 minute construction

600mm Joist Centres  
220mm x 63mm  
15mm Type A Wallboard Plasterboard

#### 60 minute construction

600mm Joist Centres  
220mm x 63mm  
2 x 15mm Type F Fireline Plasterboard

#### 90 minute construction

450mm Joist Centres  
220mm x 63mm  
2 x 15mm Type F Fireline Plasterboard



## I-Joist

I-Joists are used on new builds throughout the UK and is a lightweight joist inclined for domestic applications. I-Joist now dominate the housebuilding market and continue to grow in popularity as they have a greater strength to weight ratio compared other options.

### Specification

#### 30 Minute Construction

600mm Joist Centres  
220mm x 63mm – 9mm OSB/3 'web'  
15mm Type A Wallboard Plasterboard

#### 60 Minute Construction

600mm Joist Centres  
220mm x 63mm – 9mm OSB/3 'web'  
2 x 15mm Type F Fireline Plasterboard

#### 90 Minute Construction

450mm Joist Centres  
220mm x 63mm – 9mm OSB/3 'web'  
2 x 15mm Type F Fireline Plasterboard

## Metal-Web / Open Web / Posi Joist

Metal Web or Posi Joist as it is sometimes called, is a new joist type used in the UK. Posi-Joist combines the lightness of timber with the strength of the Posi-Strut steel web allowing you to span far greater distances. This joist type can be used across a wide range of applications for both floor and roof in domestic, industrial and commercial applications.



### Specification

#### 30 Minute Construction

600mm Joist Centres  
PS9 (225mm x 0.9mm)+ TR26 (47x72mm timber)  
15mm Type A Wallboard Plasterboard

#### 60 Minute Construction

600mm Joist Centres  
PS10 (253mm x 0.9mm)+ TR26 (47x72mm timber)  
2 x 15mm Type F Fireline Plasterboard