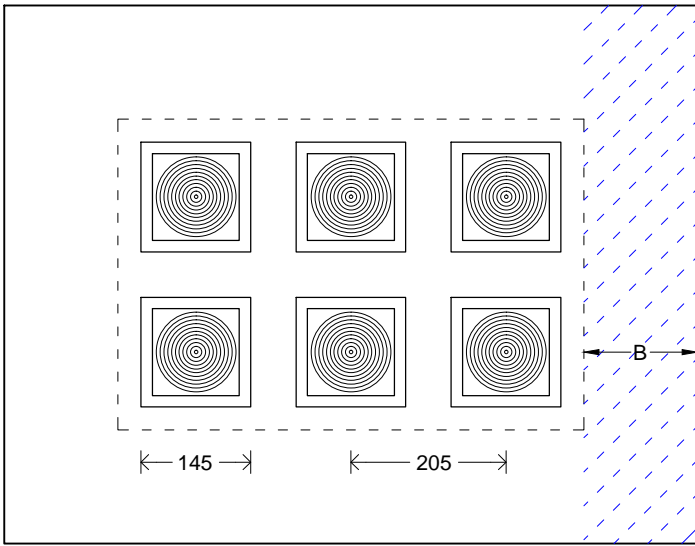
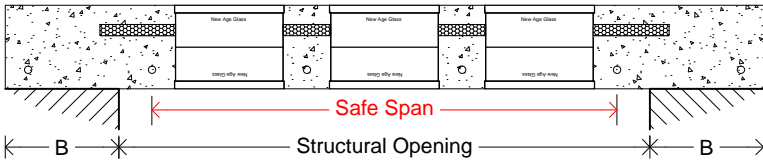


# Technical Details - Floor/Roof Light - 145 block - 110 deep - 205 centres

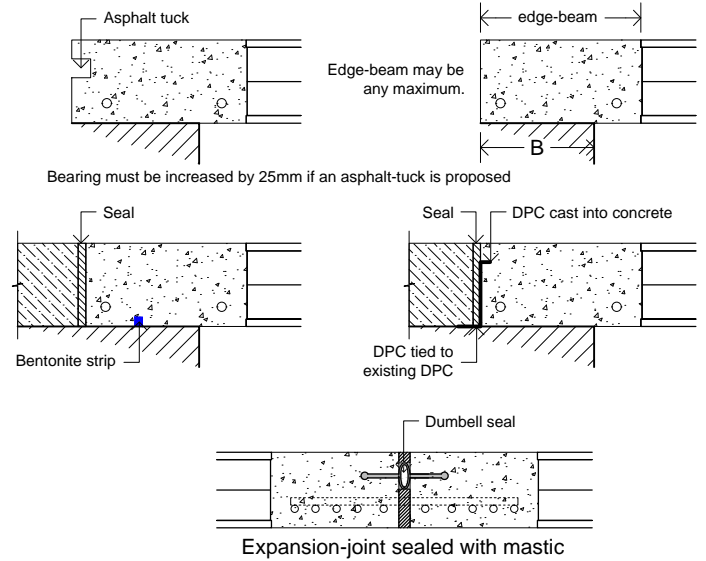


145-mm lens: 205-mm centres: 110-mm thick



**B** = 150-mm minimum  
Add 25-mm if asphalt-tuck required.

## Bearings:



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## Maximum Span Tables

Spans shown are for indication only. All roof- and pedestrian-lights are checked by a structural engineer.

The safe-spans shown in this table have been calculated and checked in accordance with BS8110-1:1997: Structural use of Concrete. The load-conditions shown have been tabulated in accordance to the categories listed under Table NA.2: of the NA to BS EN 1991-1-1:2002: Actions on structures

U-Values	Safe Spans <sup>note</sup>				
	U-Value W/sq.mK	Roof-Lights 1.5-kN/sq.m UDL and 2-kN Point Load Includes 0.9-kN/sq.m for snow		Pedestrian-Lights 5-kN/sq.m UDL and 3.6-kN Point Load	
		2-way span	1-way span	2-way span	1-way span
Standard for new roof-light in new dwellings Building Regulations Documents L1A ( <i>New Dwellings</i> )	2.0	1640mm	1230mm	1435mm	1025mm
Standard for replacement roof-light in an existing dwelling Building Regulations Documents L1A ( <i>New Dwellings</i> )	1.6 Energy Rating Band C	1025mm	820mm	820mm	615mm

Note: Where these structures are used as concourses and public spaces, they are likely to be subject to inadvertent or deliberate synchronized movement by people, causing dynamic excitation. The design provisions should take account of the nature and intended use of the structure, the potential number of people and their possible behaviour. Structural design should be carried out with the help of specialist advice and specialist guidance documents. (NA. 2.1.4)

Self-weight: Approx 1.4 kN/m<sup>2</sup> (140 kg/m<sup>2</sup>)  
Light Transmittance: 20% for the Standard roof-lights  
Fire Insulation: Concrete Grillage 1-hr. Glass block unspecified.

New Age Glass provide all drawings, calculations and reports required for the construction of all pavement lights including providing Building Control and Health and Safety information.

All designs are supplied in PDF, DWG and DWF formats.

Design using Revit available.

For complicated loading or other special requirements, our design team can help.

BIW experienced

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