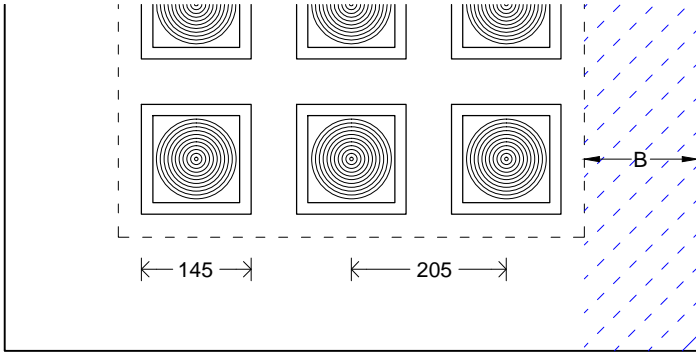
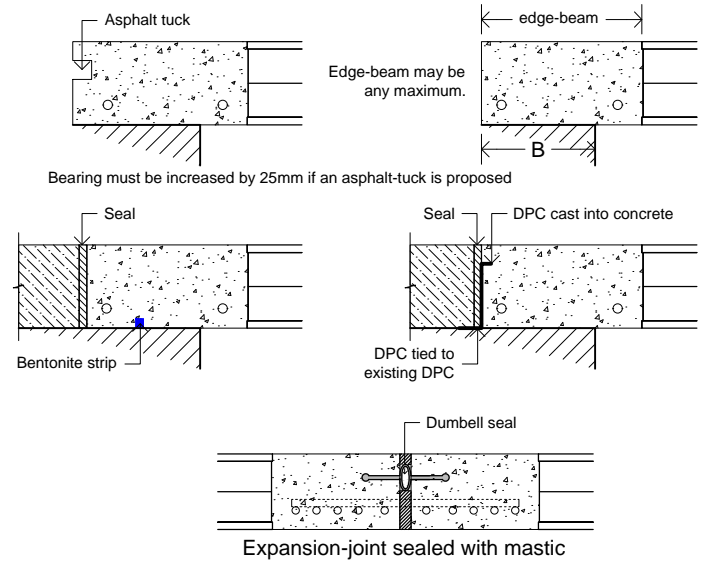


# Technical Details - Floor/Roof Light - 145 block - 110 deep - 205 centres

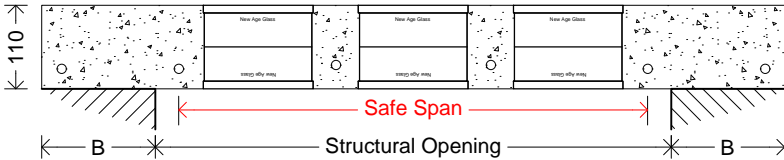
## Bearings:



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



**B =** 75mm minimum  
Add 25-mm if asphalt-tuck required.



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## Maximum Span Tables

Spans shown are for indication only. All pavement-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

Load Conditions <small>NA to BS EN 1991-1-1:2002</small>	Safe Spans <small>note 1</small> <small>BS 8110-1:1997</small>			
	UDL kN/m <sup>2</sup>	Point kN	2-way Spanning Span and Width Equal 	1-way Spanning Per Metre Width 
<b>Rooflights and light domestic use</b> Roof load includes 0.9 kN/m <sup>2</sup> for snow	1.5	2.0	2870 mm	2460 mm
<b>A: Domestic and residential activities</b> All usage within self-contained dwelling units including student-accommodation, blocks of flats, dormitories, hotels, motels, hospitals, public-toilets, snooker-rooms, balconies., flat-roofs and walkways. Not suitable for where people may congregate.	3.0	2.0	2665 mm	2050 mm
<b>B: Office Areas</b> All office areas including at or below ground-level. Not suitable for where people may congregate.	3.0	3.0	2665 mm	2050 mm
<b>C: Communal Areas</b> Areas where people may congregate including communal restaurants, reading-rooms, classrooms, fixed seating areas, assembly areas, corridors, museums, dance floors, concert halls and public areas subject to crowding	5.0	3.6	2255 mm	1845 mm
<b>D: Shopping Areas</b> General retail shops and department-stores.	4.0	3.6	2460 mm	1845 mm

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)

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 and DWG formats. Design using Revit available. BIW experience.

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

**Fire Rating:** 1-hr (Concrete grillage only. Glass unspecified)

**U-value:** 3.96 W/sq.m.K

**Self-Weight:** 1.5 kN/sq.m (157 kg/sq.m)

**Light Transmittance:** 18.7 %

# New Age Glass

Unit 4, Phoenix Business Centre, Spur Road, Chichester, West Sussex, PO19 8PN  
01243 720414 - www.newageglass.co.uk

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**NAG-R205-110**

21 March 2017

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