

bre

Second edition

Solar shading of buildings

Paul Littlefair





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The research and writing for this publication has been funded by BRE Trust, the largest UK charity dedicated specifically to research and education in the built environment. BRE Trust uses the profits made by its trading companies to fund new research and education programmes that advance knowledge, innovation and communication for public benefit.

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BRE publications are available from www.brebookshop.com or IHS Markit, Tel: +44 (0) 1344 328038, Fax: +44 (0) 1344 328005, Email: brepres@ihs.com.

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BR 364

First published 1999
Second edition 2018

ISBN 978-1-84806-474-4

Front cover images

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This report is based on an earlier publication funded by the Department of Trade and Industry Passive Solar Programme, managed by the Energy Technology Support Unit, Harwell.

The author would like to thank the firms that supplied pictures for this guide and representatives from the British Blind and Shutter Association, CIBSE Daylight Group, CIBSE Society of Facade Engineering, Glass and Glazing Federation and National Association of Rooflight Manufacturers, who provided valuable information and comments. The author also wishes to thank Cosmin Ticleanu of BRE, who contributed to Appendix B.

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Executive summary

Careful choice of solar shading is required in buildings to allow good use of winter solar gain and daylighting without summer overheating. It may be needed to stop a building overheating, reduce cooling costs, prevent glare (particularly where computer screens are used) or provide privacy for building occupants.

This report describes the commonly used shading devices and some new developments. It gives the advantages and disadvantages of each kind of shading device. A decision table is included to help find the best solution for a particular building application. The guidance focuses on shading requirements in the UK and similar climates and latitudes.

This report will be of interest to architects, building services engineers, building owners and their facilities managers, and shading manufacturers, retailers and installers.



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