

Road traffic signs and internally illuminated bollards —

Part 5: Specification for internally illuminated signs and external lighting luminaires

UDC 625.745.5/.6:628.975:656.055.969

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI
Documents

AVA

Document Sharing Hub

Cooperating organizations

The Road Engineering Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following:

Asphalt and Coated Macadam Association	Greater London Council
Association of Consulting Engineers	Institute of Petroleum
British Quarrying and Slag Federation*	Institute of Quarrying
British Tar Industry Association	Institution of Civil Engineers*
Cement and Concrete Association	Institution of Highway Engineers*
Concrete Society Limited	Institution of Municipal Engineers*
Contractors Plant Association	Institution of Structural Engineers
Convention of Scottish Local Authorities	Ministry of Defence
County Surveyor's Society*	Refined Bitumen Association Ltd.
Department of the Environment (PSA)	Road Emulsion Association Ltd.
Department of the Environment (Transport and Road Research Laboratory)	Road Surface Dressing Association
Department of Transport*	Sand and Gravel Association Limited
Federation of Civil Engineering Contractors	Society of Chemical Industry
Federation of Manufacturers of Construction Equipment and Cranes	Trades Union Congress

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the Technical Committee entrusted with the preparation of this British Standard:

Aluminium Federation	Electricity Supply Industry in England and Wales
Association of Public Lighting Engineers	Fibre Building Board Development Organization Ltd.
Association of Road Traffic Sign Makers	Lighting Industry Federation Ltd.
British Electrical and Allied Manufacturers Association (BEAMA)	Paint Research Association
British Plastics Federation	Post Office
British Precast Concrete Federation Ltd.	Retroreflective Equipment Manufacturers' Association
British Rubber Manufacturers' Association	Vitreous Enamel Development Council
British Sign Association	Coopted members
British Steel Industry	
Chartered Institution of Building Services	
Confederation of British Road Passenger Transport	

This British Standard, having been prepared under the direction of the Road Engineering Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 January 1983

© BSI 02-1999

The following BSI references relate to the work on this standard:
Committee reference RDB/6
Draft for comment 78/14585 DC

ISBN 0 580 13050 9

Amendments issued since publication

Amd. No.	Date of issue	Comments

Contents

	Page
Cooperating organizations	Inside front cover
Foreword	ii
1 Scope	1
2 Definitions	1
3 Marking and information	1
4 Materials	1
5 Mechanical properties and construction	2
6 Appearance	3
7 Electrical properties	3
8 Luminance	4
Figure 1 — Positions of inner and outer areas	6
Table 1 — Luminance ratios	5
Publications referred to	Inside back cover

Foreword

This Part of this British Standard has been prepared under the direction of the Road Engineering Standards Committee. BS 873 was first published in 1939 in response to a request from the Association of Road Traffic Sign Makers, and was revised in 1959 and 1970. As a result of subsequent experience and the advent of new materials and methods of construction, it is being further revised to bring it up-to-date. This process will continue in future revisions.

The revised standard is being published in the following separate Parts, relating to the various aspects of road traffic signs and internally illuminated bollards which are considered to be suitable for standardization.

- *Part 1: Methods of test;*
- *Part 2: Specification for miscellaneous traffic signs;*
- *Part 3: Specification for internally illuminated bollards;*
- *Part 4: Specification for road studs;*
- *Part 5: Specification for internally illuminated signs and external lighting luminaires;*
- *Part 6: Specification for retroreflective and non-retroreflective signs;*
- *Part 7: Specification for posts and fittings.*

NOTE BS 873-1 gives further details of the various Parts.

Internally illuminated traffic signs generally take the form of an enclosure, housing the light sources and faced with a sheet of light-transmitting material on which is set the information in the form of a legend or symbol. Some signs have more than one illuminated face.

External lighting luminaires may be used where signs are not internally illuminated.

The committee reconsidered the need for requirements for resistance to abrasion and concluded that, while perhaps desirable, it was not practicable to establish suitable conditions of test bearing in mind the wide variety of finishes available within the specification. Experience had indicated there was no need for signs of greater strength and no fundamental changes were thought necessary as regards thickness of sheet sign plate materials.

Some of the tests specified in this standard are such as to necessitate a programme of sampling. Such a procedure should be agreed between the purchaser and manufacturer at the time of ordering. Attention is drawn to BS 2635, BS 6000, BS 6001 and BS 6002.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations. In particular, attention is drawn to the following:

- The Traffic Signs Regulations and General Directions
- The Traffic Signs (Speed Limits) Regulations and General Directions
- The Pedestrian Crossing Regulations

Information on the relationship between these Regulations and BS 873 is given in Appendix A of BS 873-1:1983.

Summary of pages

This document comprises a front cover, an inside cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.