

BS EN 16276:2013



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Evacuation Lighting in Road Tunnels

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National foreword

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The UK participation in its preparation was entrusted to Technical Committee EL/1/2, Road lighting.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

Evacuation Lighting in Road Tunnels

Éclairage des itinéraires d'évacuation dans les tunnels
routiers

Evakuierungsbeleuchtung in Straßentunneln

This European Standard was approved by CEN on 1 December 2012.

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Foreword

This document (EN 16276:2013) has been prepared by Technical Committee CEN/TC 169 “Light and lighting”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2013, and conflicting national standards shall be withdrawn at the latest by July 2013.

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Introduction

The Directive 2004/54/EC of the European Parliament of 29 April 2004 aims at ensuring a minimum level of safety for road users in tunnels in the Trans-European Network by the prevention of critical events that may endanger human life. With regard to lighting, there are two main cases: normal lighting and safety lighting.

Normal lighting is provided to ensure appropriate visibility during the day and night for drivers in the entrance zone as well as in the interior zone.

Safety lighting is divided into two parts: standby lighting and evacuation lighting.

Standby lighting is provided to ensure a minimum visibility for tunnel users to evacuate the tunnel in their vehicles in the event of a breakdown of the power supply.

Evacuation lighting is provided to guide tunnel users during evacuation of the tunnel on foot in emergency circumstances such as fire. Evacuation lighting includes evacuation route marker lights, emergency exit lighting, emergency exit marker lights and evacuation route lighting.