



**KERAJAAN MALAYSIA
JABATAN KERJA RAYA MALAYSIA**

STANDARD SPECIFICATION FOR ROAD WORKS

Section 7: Road Lighting



KETUA PENGARAH KERJA RAYA
JABATAN KERJA RAYA MALAYSIA
JALAN SULTAN SALAHUDDIN,
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For the latest version of this specification,
please log on to: <http://www.jkr.gov.my/cke/>

FOREWORD

As practices in road construction change over time, it is imperative for Jabatan Kerja Raya (JKR) to continuously update and improve their standard specifications. These new specifications are not only aimed at keeping abreast with current technologies but also to help in improving the quality of constructed product. In unison, these new specifications have a significant positive impact on the construction industry especially with the incorporation of new products and technologies.

Standard Specification for Road Works is an essential component in the road infrastructure construction industry. This specification provides an improved guidance in the material selection and the production of good quality workmanship and products, based on current best practices. The purpose of this standard specification is to establish uniformity in road works to be used by road designers, road authorities, manufacturers and suppliers of road related products.

This document "Section 7: Road Lighting" is a part of a series of improved specifications in the Standard Specification for Road Works. This document was fully adopted from the three (3) specifications published by the Electrical Engineering Branch (*Cawangan Kejuruteraan Elektrik*) of JKR Malaysia namely, Specification L-S1: Low Voltage Internal Electrical Installation, Specification L-S3: Low Voltage Underground Cable and Specification L-S20: Road Lighting Installation.

The title of this document had been changed from *Street* Lighting to *Road* Lighting in order to maintain the consistency of the wording used in the Specification.

This document will be reviewed and updated from time to time to cater the changes on polices and current requirements. In this respect, any comments and feedback regarding to this specification should be forwarded to: -

Unit Standard & Spesifikasi
Cawangan Kejuruteraan Jalan & Geoteknik
Ibu Pejabat Jabatan Kerja Raya
Tingkat 26, Menara PJD,
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50400 Kuala Lumpur.

ACKNOWLEDGEMENT

This **Standard Specification for Road Works Section 7: Road Lighting** has fully adopted the three (3) specification published by the Electrical Engineering Branch (*Cawangan Kejuruteraan Elektrik*) of JKR Malaysia. Therefore, a special thanks to the Senior Director of Electrical Engineering Branch of JKR for his kinds cooperation in approving the used of three Electrical Specifications to prepare this document and also to those who had contributed towards the successful completion of this document.

Published by: -

Cawangan Kejuruteraan Jalan & Geoteknik
Ibu Pejabat Jabatan Kerja Raya
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August 2012

SECTION 7 – ROAD LIGHTING

7.1 GENERAL

This work shall consist of the supply, delivery, storage, assembly, installation, erection, testing, commissioning, handing over in approved working order and maintenance during Defect Liability Period of the Road Lighting Installation in accordance with the Specification, Notes, Bill of Quantities, Conditions of Contract, Drawings and other related documents.

The Road Lighting Installation works shall include low voltage underground cables, luminaries, fittings, brackets, spigots, other supporting devices, columns, feeder pillars, bases, cables, switchgears and all necessary ancillary equipment, foundations, ducting and all other necessary equipment for a complete Road Lighting System. The work shall also include cabling from the nearest specified power source of the local supply authority to the Road Lighting System, if required.

7.2 L-S1: SPECIFICATION FOR LOW VOLTAGE INTERNAL ELECTRICAL INSTALLATION (May 2011)

(Please refer to <http://www.jkr.gov.my/cke/> for the latest specification)

7.3 L-S3: SPECIFICATION FOR LOW VOLTAGE UNDERGROUND CABLE (April 1999)

(Please refer to <http://www.jkr.gov.my/cke/> for the latest specification)

7.4 L-S20: SPECIFICATION FOR ROAD LIGHTING INSTALLATION (August 1999)

(Please refer to <http://www.jkr.gov.my/cke/> for the latest specification)

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