

Technical direction

For traffic and transport practitioners

POLICY – GUIDELINES - ADVICE



PUBLISHED JULY 2010

Supersedes: TDT 2008/05

TDT 2008/
05a

INSTALLATION OF LIGHT EMITTING DIODE (LED) TRAFFIC SIGNAL LANTERNS

INTRODUCTION

The RTA introduced the use of LED lanterns for all new traffic signal installations and reconstructions of existing traffic signals, in 2004.

GENERAL

The Australian Standard for LED traffic signal lanterns was released in May 2002. A number of Australian States have introduced LED lanterns and are actively replacing their 240 volt globe lanterns with LED lanterns. All New South Wales' traffic signals that used 240-volt globes have now been replaced with LED technology. All the existing Quartz Halogen (QH) technology will now gradually be replaced with LED technology which should take about 10 years.

PRACTICE

In any installation of new traffic signals, LED lanterns are to be used.

In any major reconstruction of traffic signals, LED lanterns are to be used and all existing QH lanterns shall be upgraded to LED lanterns.

In any minor reconstruction of traffic signals, existing QH lanterns can be maintained unless otherwise directed. All of the lanterns on the same signal group are to be either QH or LED i.e. no mixing is allowed.

For: Director, Major Infrastructure; Director, Regional Operations & Engineering Services; Road Safety & Policy; Traffic Management and Road Safety personnel; Project and Asset Managers.

For further enquiries

Email technical_directions_publications@rta.nsw.gov.au

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ACTION

This policy takes effect immediately.

UPDATES

To ensure that this *Technical Direction* and any related guidelines remain current and relevant, minor updates may be made from time to time. Any updates may be obtained from the RTA website using the Traffic & Transport Policies & Guidelines Register which can be found at:

www.rta.nsw.gov.au/doingbusinesswithus/guidelines/documentregister/index.html.

Printed copies of this Technical Direction are uncontrolled, therefore the Register should always be checked prior to using this *Technical Direction* or any related guidelines.

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