



NEGARA BRUNEI DARUSSALAM

**BRUNEI DARUSSALAM STANDARD
PIAWAI BRUNEI DARUSSALAM**

**PBD IEC 60901:2008
IEC 60901:2008
Edition 2.2**

**SINGLE-CAPPED FLUORESCENT LAMPS -
PERFORMANCE SPECIFICATIONS**

**ENERGY DIVISION, PRIME MINISTER'S OFFICE
IN COLLABORATION WITH MINISTRY OF DEVELOPMENT
NEGARA BRUNEI DARUSSALAM**

FOREWORD

This Brunei Darussalam Electrical Standard was prepared by the Technical Committee on Electrical Standards [TECO (Electrical)], Energy Division at Prime Minister's Office in collaboration with the authority of the standards committee, Construction Planning and Research Unit (CPRU), Ministry of Development, Brunei Darussalam with the objective of developing the National Electrical Standards for electrical products, systems, equipment and facilities for the local industries and consumers with reference to international standards, guidelines and procedures. In developing the national electrical standards, the aim is to promote quality, technical integrity, health, safety and environmental standards for the local industries and consumers.

This Brunei Darussalam Electrical Standard is an adoption of the International Electro technical Commission IEC 60901 : 2008 (EDITION 2.2) standard and implements it as the Brunei Darussalam National Standard.

Attention is drawn to the fact that this Brunei Darussalam Electrical Standard does not confer any immunity from legal obligations in any contract for compliance to the Standard.

The National Electrical Standards are subject to periodical review according to the current needs of the local industries and consumers to keep abreast of progress in the industries and consumers concerned. Suggestions of amendments will be recorded and in due course brought to the notice of the committees concerned.

COMMITTEE MEMBERS

The Technical Committee on Electrical Standards [TECO (Electrical)] was tasked by the Energy Division at the Prime Minister's Office in collaboration with Construction Planning and Research Unit (CPRU), Ministry of Development, Brunei Darussalam for the preparation of this Brunei Darussalam Electrical Standard. The members of the Technical Committee are as follows:

1. Awg Haji Abd Shawal Yaman
(Chairman) Energy Division, Prime Minister's Office
2. Awg Liaw Wai Khiong
(Co-Chairman) Brunei LNG Sdn Bhd
3. Pg Shaharuddin Pg Haji Yusoff
(Secretary) CPRU, Ministry of Development
4. Awg William Voon
(Assistant Secretary 1) Institution of Engineering and Technology,
Brunei Network
5. Awg Simon K A Leong
(Assistant Secretary 2) KR Kamarulzaman & Associates
6. Awg Haji Md Azrul Azrin Hj Md Zain Energy Division, Prime Minister's Office
7. Awg Musa Metali Department of Electrical Services, PMO
8. Awg Md Amir Sharifuddin Haji Ali Department of Electrical Services, PMO
9. Dyg Hajah Norhayati Ahmad Department of Electrical Services, PMO
10. Awg Majid Ali Ministry of Industry & Primary Resources
11. Awg Dennis Wong Tet Yin Department of Mechanical & Electrical, PWD
12. Awg Nohi Inwan Surkarki Haji Pawi Department of Fire & Rescue Services
13. Awg Martin Blundell University Brunei Darussalam
14. Awg Haji Morsidi Haji Kassim Institut Teknologi Brunei
15. Awg Haji Ismit Haji Mohamad Institut Teknologi Brunei
16. Awg Matyassin Haji Masri Maktab Kejuruteraan Jefri Bolkiah
17. Awg Sylvester Kong Brunei Shell Petroleum Co. Sdn Bhd
18. Dyg Seri Malati OKIP Hj Zolkeflee Brunei Shell Petroleum Co. Sdn Bhd
19. Awang Aristoteles Momin Brunei LNG Sdn Bhd

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| 20. Steve Turner | Berakas Power Management Company |
| 21. Caius Yong | Berakas Power Management Company |
| 22. Awg Rick Liaw | Hamzah Hassan Consultant |
| 23. Awg Kyaw Moe Aung | HSE Engineering Sdn Bhd |
| 24. Awg Khairul Ezam bin Haji Mohd. Zain | CPRU, Ministry of Development |

INTERNATIONAL ELECTROTECHNICAL COMMISSION

SINGLE-CAPPED FLUORESCENT LAMPS –
PERFORMANCE SPECIFICATIONS

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60901 has been prepared by subcommittee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

This consolidated version of IEC 60901 consists of the second edition (1996) [documents 34A/588/FDIS and 34A/634/RVD], its amendment 1 (1997) [documents 34A/706/FDIS and 34A/743/RVD], its amendment 2 (2000) [documents 34A/908/FDIS and 34A/914/RVD].

The technical content is therefore identical to the base edition and its amendments and has been prepared for user convenience.

It bears the edition number 2.2.

Annexes A, B and C form an integral part of this standard.

Annexes D and E are for information only.

The main changes with respect to the first edition of IEC 60901 are the following:

- the removal of safety related items;
- the abandonment of the division into three sections;
- the introduction of new terminology;
- a new numbering of the lamp data sheets;
- the introduction of new lamp data sheets.

The committee has decided that the contents of this publication will remain unchanged until 2003. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

