

IEC LED LIGHTING STANDARDS AVAILABILITY

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▪ INTRODUCTION

This report is intended to provide the latest information on what IEC LED Lighting Standards (Lamps, Caps & Holders, Control Gears & Luminaires) are already published and those that are under development. This information should assist Countries and or Regulators and other Stakeholders to establish their LED Lighting Implementation Roadmaps based on International Standards and Technical Specifications with the view of maintaining availability of safe lighting products and at the same time enhancing gains from existing lighting energy efficiency programs or initiatives.

▪ IEC PUBLISHED LED LIGHTING STANDARD

A) GENERAL

- 1) IEC / TS 62504 General Lighting – LED's and LED Modules, Terms & Definitions.
 - Edition 1.0 (2011-03-29)
 - Stability Date, 2013

B) LAMPS

- 2) IEC 62031 LED Modules for General Lighting – Safety Specifications
 - Amendment 1, Edition 1.0, 2012-10-30
 - Stability Date, 2015
- 3) IEC 62560 Self-ballasted LED Lamps for GLS > 50V, Safety Specifications
 - Edition 1.0, Corrigendum 1 (2012-01-24)
 - Stability Date, 2014
- 4) IEC 62612 Self-ballasted LED Lamps for GLS >50V, Performance Requirements
 - Edition 1.0 (2013-06-18)
 - Stability Date, 2016

- 5) IEC / PAS 62707-1 LED Binning – Part 1 General Requirements and White Grid
 - Edition 1.0 (2011-03-08)
 - Stability Date, 2013
- 6) IEC / PAS 62717 LED Modules for General Lighting – Performance Specifications
 - Edition 1.0 (2011-04-28)
 - Stability Date, 2014

C) CAPS and HOLDERS

- 7) IEC 60838-2-2 Miscellaneous Lampholders - Part 2-2 Particular Requirements-connectors for LED Modules.
 - Edition 1.1, (2012-04-27)
 - Stability Date, 2015

D) AUXILIARIES FOR LAMPS

- 8) IEC 61347-2-13, Lamps Control Gear Part 2-13: Particular Requirements for dc or ac supplied Control Gear for LED Modules.
 - Edition 1.0 (2006-05-05)
 - Stability Date, 2011

- 9) IEC 62384 DC or AC Supplied Electronic Control Gear for LED Modules- Performance Requirements
 - Edition 1.1 (2011-03-30)
 - Stability Date, 2012
- 10) IEC 62386-207 Digital Addressable Lighting Interface Part 207: Particular Requirements for Control Gear - LED Modules (device type 6)
 - Edition 1.0 (2009-08-18)
 - Stability Date, 2012

E) LUMINAIRES

- 11) IEC /PAS 62722-2-1 Luminaire Performance Part 1: General Requirements
 - Edition 1.0 (2011-06-22)
 - Stability Date, 2014
- 12) IEC /PAS 62722-2-1 Luminaire Performance Part 2-1: Particular Requirements for LED Luminaire.
 - Edition 1.0 Corrigendum (2011-12-07)
 - Stability Date, 2014

■ IEC LED LIGHTING STANDARDS UNDER DEVELOPMENT

A) GENERAL

- 1) IEC 62504 General Lighting – LED Products and Related Equipment -
Terms and Definitions
 - Edition 1.0 2012 July
 - Status, CCDV 2013 April
 - Fcst. Publication Date, 2014 May

B) LAMPS

- 2) IEC 62031 LED Modules for General Lighting – Safety Specifications
 - Amendment 2, Edition 1.0, 2012 January
 - Status, DEC 2013 September
 - Fcst. Publication Date, 2014 February
- 3) IEC 62560 Self-ballasted LED Lamps for GLS > 50V – Safety Specifications
 - Amendment 1, Edition 1.0, 2012 October
 - Status, CCDV 2013 September
 - Fcst. Publication Date, 2015 January
- 4) IEC 62663-1 Non-ballasted LED Lamps – Part 1 Safety Specifications
 - Edition 1.0 2009 December
 - Status, ADIS 2013 March
 - Fcst. Publication Date, 2013 October

- 5) IEC 62663-2 Non-ballasted LED Lamps – Performance Specifications
 - Edition 1.0 2009 December
 - Status, CCDV 2013 May
 - Fcst. Publication Date, 2014 September
- 6) IEC 62707-1 LED Binning – Part 1 General Requirements and White Grid
 - Edition 1.0 2011 February
 - Status, APUB 2013 November
 - Fcst. Publication Date, 2013 December
- 7) IEC 62717 LED Modules for General Lighting – Performance Specifications
 - Edition 1.0 2011 April
 - Status, ADIS 2013 September
 - Fcst. Publication Date, 2014 July
- 8) IEC 62776 Double-Capped LED Lamps for GLS – Safety Specifications
 - Edition 1.0 2011 December
 - Status, ADIS 2013 September
 - Fcst. Publication Date, 2014 April
- 9) IEC 62838 Self-ballasted LED Lamps for GLS \leq 50V ac rms or 120V ripple free d.c., Safety Specifications
 - Edition 1.0 2012 September
 - Status, ACDV 2013 August
 - Fcst. Publication Date, 2015 February
- 10) IEC 62868 Organic Light Emitting Diode (OLED) Panels for GL- Safety Requirements
 - Edition 1.0 2013 March
 - Status, ACDV 2013 August
 - Fcst. Publication Date, 2014 December \leq

11) IEC/TS 62861 Principal Component Reliability Testing for LED-based Products

- Edition 1.0 2013 February
- Status, ANW 2013 February
- Fcst. Publication Date, 2014 March

12) PNW 34A-1665 Organic Light Emitting Diode (OLED) Panels for GL- Performance Requirements

- Edition 1.0
- Status, ANW 2013 September
- Fcst. Publication Date, _____

B) CAPS and HOLDERS

13) IEC 60838-2-3 Miscellaneous Lampholders, - Part 2-3: Lampholders for double-ended Linear LED Lamps.

- Edition 1.0 2013 April
- Status, ANW 2013 April
- Fcst. Publication Date, 2016 April

C) AUXILIARIES FOR LAMPS

14) IEC 61347-2-13 Lamp Control Gear Part 2-13: Particular Requirements for D.C or A.C Supplied Electronic Control Gear for LED Modules.

- Edition 2.0 2011 March
- Status, DEC 2012 December
- Fcst. Publication Date, 2013 July

- 15) IEC 62442-3 Energy Performance of Lamp Control Gear, Part 3: Control Gear for Halogen Lamps and LED Modules- Method of Measurement to Determine the Efficiency of the Control Gear.
- Edition 1.0 2012 March
 - Status, DEC 2013 April
 - Fcst. Publication Date, 2013 September

D) LUMINAIRES

- 16) IEC 60598-2-20 Luminaires Part 2-20 Particular Requirements- Lighting Chains
- Edition 4.0 2012 July
 - Status, ACDV 2012 October
 - Fcst. Publication Date, 2014 December
- 17) IEC 60598-2-21 Luminaires Part 2-21 Particular Requirements- Sealed Lighting Chains
- Edition 1.0 2012 November
 - Status, ANW 2012 November
 - Fcst. Publication Date, 2014 December
- 18) IEC 62722-1 Luminaire Performance – Part 1 General Requirements
- Edition 1.0 2011 June
 - Status, ADIS 2013 May
 - Fcst. Publication Date, 2014 April
- 19) IEC 62722-2-1 Luminaire Part 2-1 Particular Requirements for LED Luminaire
- Edition 1.0 2011 June
 - Status, CCDV 2013 May
 - Fcst. Publication Date, 2014 July

■ IEC TC34 WORKING DOCUMENTS CODE

- 1) PNW - Proposed New Work
- 2) ANW - Approved New Work Proposal
- 3) CDM - Committee Draft to be discussed at Meeting
- 4) 1 CD - 1st Committee Draft
- 5) CCDV - Draft Circulated as Committee Draft with Vote
- 6) ACDV - Draft Approved for Committee Draft with Vote
- 7) RDIS - Text for FDIS Received & Registered
- 8) FDIS - Final Draft International Standard
- 9) ADIS - Approved for FDIS Circulation
- 10) DEC - Draft at Editing Clerk
- 11) APUB - Draft Approved for Publication