

Appendix C1

LED Amenity Lighting Luminaire Specification

C1. Overview

Purpose

This appendix sets out the standard requirements that LED amenity lighting luminaires must satisfy. It also details the luminaire assessment methodology.

Criteria

The luminaires will be assessed on five main criteria:

1. LED attributes
2. Luminaire optics (as applicable)
3. Driver and electrical properties
4. Luminaire compliance and design features
5. Sustainability

Application fee

The applicant must engage one of the approved assessors to undertake the review on a time charge basis through the assessor's company. A non-refundable deposit will be payable to the assessor's company before any work commences. If the assessor recommends the luminaire for acceptance, any outstanding costs shall be reimbursed before the luminaire is accepted on the list.

Approved assessors are;

- Andy Collins (WSP): 027 237 1181
- Laurie Cook (LDP): 027 510 1273
- John Mckensey (LDP): 021 613 514

C2. Standards referred to

- ANSI/IES LM-79-19: *Approved Method: Optical and Electrical Measurements of Solid-State Lighting Products*. (2019)
- IESNA LM-80-08: *IES Approved Method: Measuring Lumen Maintenance of LED Light Sources*. (2008)
- ANSI/IES TM-21-19: *Technical Memorandum: Projecting Long Term Lumen, Photon and Radiant Flux Maintenance of LED Light Sources*. (2019)
- AS/NZS 1158: *Lighting for roads and public spaces*. (2005-2020).
- IEEE/ANSI C62.41.2 *IEEE Recommended Practice on Characterisation of Surges in Low-Voltage (1000V and less) AC Power Circuits*. (2002)
- BS EN 62471: *Photobiological safety of lamps and lamp systems*. (2008)
- ANSI/IESNA RP-27 Series: *Photobiological Safety and Risk*. (2013)
- *EU Directive 2011/65/EU on the restriction of use of certain hazardous substances in electrical and electronic equipment*
- *EU Commission Delegated Directive (EU) 2015/863 Amending Annex II to Directive 2011/65/U*. (2015)

C3. Amenity luminaire documents

- See Appendix C2 for the assessment checklist
- See Appendix C3 for a template of the required covering letters

Revision Table

Version	Date	Changes
1	11/11/16	Original
2	19/05/17	Replacement for Web
3	13/10/17	Rev table added
4	03/05/18	Minor text adjustments.
5	26/08/18	Footer & filename adjusted
6	04/07/20	Standards referenced updated. Fee wording updated