
3RD INTERNATIONAL
STREET LIGHTING
+ SMART CONTROLS
CONFERENCE 2017
Smart Lighting for Smart Cities

IPWEA SLSC Public Lighting Model Specifications

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BIO

- Director of management consultants - Strategic Lighting Partners Ltd
- Member of AS/NZS road lighting and AS/NZS luminaire standards committees
- NZ Head of IEC International Standards Committee on Lamps and Luminaires
- Founding Chairman, and current Executive Director, of Lighting Council NZ
- Consults to a wide range of AU and NZ councils and government agencies
- SLSC Programme Adviser & Council Member

SLP
STRATEGIC LIGHTING PARTNERS

1. What are model specifications and why are they useful
2. Features of a model specification
3. International influences for SLSC Model Specifications
4. Model LED Public Lighting Specification
5. Model Public Lighting Controls Specification
6. Stakeholder consultation and release timeline
7. Implementation

Presentation Overview

What are Model Specifications?

- A structure to quickly and robustly compile a specification suited to your regional and project needs
- Not a specification, until it is customised for your needs
- Not a standard, as it defines your needs only
- Harmonised with prevailing technical standards, industry norms and practical realities

- No one is an expert at everything!
- Model specifications save money, lower risks, get better technical outcomes and drive more competition
- Avoid reinventing the wheel, dysfunctional specs and supplier-written specs
- Meet procurement probity needs: clear, harmonised, transparent, robust, fair and auditable

Why are Model Specifications Useful?

- Structured around user needs
- Allows user-defined choices customised for exact needs
- Outcome-based, not prescriptive of inputs
  - Technically and commercially agnostic
  - Supports technical and commercial innovation
- Supports Life Cycle Cost (LCC) project assessment
- Living document with on going updates

Features of Model Specifications

- US-DOE MSSLC
- Lightsavers Canada
- DesignLights Consortium
- Chicago Infrastructure Trust
- NZTA M30 Specification
- TALQ Specification
- IEC/EN/EC/ILP/BSI/IESNA

NZ TRANSPORT AGENCY WAKA KOTAHI

DESIGNLIGHTS CONSORTIUM

International Influences for SLSC Model Specs

- Goal is selecting the right luminaire for the specific application
- Covers typical pedestrian, vehicular and area lighting tasks
- 30+ luminaire performance parameters
- Suggests minimum warranty requirements
- Considering requiring supporting docs only if short-listed
- Supports Life Cycle Cost (LCC) based evaluation

Model LED Public Lighting Specification

- Goal is selecting the right control system for the specific application
- Three-layer procurement – CMS software, network, field devices
- Defines - compatibility, interoperability, interchangeability
- Suggests minimum warranty requirements
- Installation and commissioning requirements
- Maintenance – ongoing needs and costs
- Considering requiring supporting documentation only if short-listed
- Supports Life Cycle Cost (LCC) based evaluation for all business models

Model Public Lighting Controls Specification

Consultation and Release Timeline

Development Stage	Estimated Date
Early consultation with key technical advisers	Underway for LED spec and shortly to commence for controls
SLSC Council & TAG Consultation	End of March 2017
Consultation webinars	**4 April: LED Lighting Specification** **11 April: Controls Specification**
Consultation Conclusion	End of April 2017
Release	May 2017

- FREE to all stakeholders via SLSC website
- IPWEA will evaluate demand for training with webinars and face-to-face workshops
- Momentum through adoption by users

Implementation

- User participation is ESSENTIAL
- Please participate and provide your feedback
- Model Specs are living documents needing periodic updates

Thank you to-

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SLSC
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The Department of the Environment and Energy,
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Conclusion