



Canadian Standards Association

Etobicoke, Ontario

To the Part I Committee

Subject No: 2938 **Chair:** P. Desilets

Date: August 28, 2002

Title: Definition of Landscape Lighting System, Section 30

Submitted by: Richard Cohen of CSA International, 178 Rexdale Blvd. Etobicoke, Ontario, M9W 1R3,
Tel: (416) 747-4111 on July 18, 2000

Proposal:

1. Amend the definition of "Landscape lighting system" in Rule 30-1202 to read:

Landscape lighting system means a lighting system that comprises of an isolating type power supply, operating at 30 V rms or 42.4 V peak, or less, and not more than 300 VA or 25 A, whichever is less, for each secondary output, luminaire assemblies, fittings and flexible cord, cable or wiring for connection to one or more of the luminaire assemblies, for use outdoors, or indoor commercial atriums and shopping malls, or other similar locations.

2. Add to Appendix B, Rule 30-1202

A landscape lighting system defined in this Rule is intended to apply to outdoor applications such as flood or decorative lighting in garden, walkway, patio areas, or indoor commercial atriums and shopping malls or similar locations.

3. I understand that the definitions specified in Rule 30-1202 are being considered by Part I to be relocated to Rule 30-002 and consequently my Rule numbering would need to be revised accordingly.

Reasons for Request:

The proposed definition more accurately describes the components needed to make up a landscape lighting system and it aligns with the Product Standard. The present definition in the CEC is too loose and it would include applications such as Christmas tree lights. The addition to Appendix B provides installers with examples of such landscape lighting systems.

Chair's Comments: Agree with the proposal.

Subcommittee Deliberation: We have consensus to approve the proposal. There is an editorial change though, proposed by one of the members and approved by the submitter.

Subcommittee Recommendation: The final text is, with relocation to the definition section approved at the November meeting:

30-002 Landscape lighting systems means a lighting system consisting of an isolating power supply operating at 30 volts (42.4 peak) or less, under any load condition, with one or more secondary circuits, each limited to 300 VA or 25 amperes maximum, supplying one or more luminaire assemblies and associated equipment such as fittings, flexible cord, cable or wiring, for use outdoors, or indoor commercial atriums and shopping malls, or similar locations.

Chair's Comments (Second Round)

This subject was returned to the Subcommittee in June 2001 at the 106th meeting. The main reason was that the definition was too vague from a device or apparatus description point of view and that Code users could not identify intended use with assurance a "Landscape Lighting System" and clearly differentiate from, say, a Christmas string.

The Chair therefore proposes the following definition to the original submittor and the Subcommittee for consideration.

30-002 Landscape Lighting System means a complete extra-low-voltage lighting system specifically designed for wet or damp locations and for the illumination of garden, patio, atrium or greenhouse pathways with provisions for either ground stakes or attachment means to a patio structure to secure luminaire heads, consisting of a plug-in or permanently connected Class 1 isolating power supply, with one or more secondary circuits, each limited to a maximum power output of 300 VA and a maximum current of 25 amperes, and with each secondary circuit supplying one or more luminaire assemblies and associated equipment such as fittings, flexible cord, cable or wiring.

This suggested definition specifically addresses Part I Committee objections such as the removal of operating characteristics already defined elsewhere, the clarification of the indoor/outdoor usage through the words "wet or damp locations" and "garden, patio, atrium or greenhouse", the clarification of both power output and current limitations and a more specific description.

Subcommittee Deliberation: The Chair has received 8 positive votes out of 8 members, but there were 2 comments.

The comments were similar in nature and tended to make sure there would be no implied restrictions to greenhouse pathways and to staking as a mounting means due to literal interpretation of the definition.

The Chair fully agrees with the comments and, in view of the wide consensus and the very small editorial modifications required by the comments, which minimally impact the proposal, the Chair does not deem as necessary to proceed with a third round to assess subcommittee consensus with incorporation of the comments into the proposal. The Chair incorporated the comments in the following text:

30-002 Landscape Lighting System means a complete extra-low-voltage lighting system specifically designed for wet or damp locations and for the illumination of gardens, patios, atriums, greenhouses or pathways with provisions for mounting such as ground stakes or attachment means to a patio structure to secure luminaire heads, consisting of a plug-in or permanently connected Class 1 isolating power supply, with one or more secondary circuits, each limited to a maximum power output of 300 VA and a maximum current of 25 A, and with each secondary circuit supplying one or more luminaire assemblies and associated equipment such as fittings, flexible cord, cable or wiring.

Subcommittee Recommendation: The Chair therefore recommends adoption of above text by Part I.