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CSA C22.2 No. 74:16
(reaffirmed 2020)

Equipment for use with electric discharge lamps

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Preface

This is the fifth edition of CSA C22.2 No. 74, *Equipment for use with electric discharge lamps*, one of a series of Standards issued by CSA Group under Part II of the *Canadian Electrical Code*. It supersedes the previous editions published in 1996, 1992, 1969, and 1954.

This edition incorporates, in three parts, requirements for fluorescent light ballasts, high-intensity discharge lamp ballasts, and ancillary equipment such as lampholders and starters.

The following sections have changed in this edition:
a) spacings requirements – Clause 4.20.5, Part 1;
b) inrush current – Clause 4.24.4, Part 1;
c) risk of electric shock test – Clause 6.11, Part 1;
d) anti arcing test method – Clause 6.12, Part 1; and
e) harmonics proposal – Clause 4.25, Part 1 and Clause 4.19, Part 2.

This Standard was prepared by Subcommittee on Lighting Products, under the jurisdiction of the Technical Committee on Consumer and Commercial Products and the Strategic Steering Committee on Requirements for Electrical Safety, and has formally been approved by the Technical Committee.

Notes:
1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
3) *This Standard was developed by consensus, which is defined by* CSA Policy governing standardization — Code of good practice for standardization *as "substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity". It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
4) *To submit a request for interpretation of this Standard, please send the following information to inquiries@csagroup.org and include "Request for Interpretation" in the subject line:*
   a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
   b) *provide an explanation of circumstances surrounding the actual field condition; and*
   c) *where possible, phrase the request in such a way that a specific "yes" or "no" answer will address the issue.*

   Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization *and are published on the* Current Standards Activities *page at standardsactivities.csa.ca.*
5) *This Standard is subject to review within five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include "Proposal for change" in the subject line:*
   a) *Standard designation (number);*
   b) *relevant clause, table, and/or figure number;*
   c) *wording of the proposed change; and*
   d) *rationale for the change.*

CSA C22.2 No. 74:16, Part 1
Ballasts for use with fluorescent lamps

1 Scope

1.1
Part 1 of this Standard applies to ballasts of the resistance, reactance, and electronic (solid state) types for use with fluorescent lamps, involving potentials of 2500 V to ground or less during either starting or running conditions, whether intended for mounting in a luminaire or otherwise, and designed to be employed on circuits of not more than 600 V between supply conductors in accordance with the *Canadian Electrical Code, Part I.*

1.2
In this Part of this Standard, "shall" is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the Standard; "should" is used to express a recommendation or that which is advised but not required; and "may" is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

2 Reference publications
Part 1 of this Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below.

CSA Group

C22.1-15
Canadian Electrical Code, Part I

CAN/CSA-C22.2 No. 0-10 (R2015)
General Requirements — Canadian Electrical Code, Part II

C22.2 No. 0.4-04 (R2013)
Bonding and grounding of electrical equipment (protective grounding)

C22.2 No. 0.5-1982 (R2012)
Threaded conduit entries

CAN/CSA-C22.2 No. 0.17-00 (R2013)
Evaluation of properties of polymeric materials