

# Development application guidelines

## Lighting plan and photometric plot plan

<b>What is the purpose of this?</b>	A <i>lighting plan</i> demonstrates the location, height, and type of lighting fixtures on the site and proposed buildings, including the location of electrical supply. A <i>photometric plot plan</i> demonstrates the lighting fixture locations and illumination levels.
<b>Who should prepare this?</b>	<p>A <i>lighting plan</i> should be prepared by a professional engineer, full member of the Canadian Institute of Planners (MCIP), registered architect and/or registered landscape architect in consultation with a professional electrical engineer qualified in exterior lighting, as required.</p> <p>A <i>photometric plot plan</i> should be prepared by a professional engineer qualified in exterior lighting.</p>
<b>When is this required?</b>	A <i>lighting plan</i> and <i>photometric plot plan</i> may be required as part of an application for Site Plan Control.
<b>Why do we need this?</b>	A <i>lighting plan</i> and <i>photometric plot plan</i> are required to demonstrate a proposed development's conformity with the applicable policies of the Official Plan, regulations of Town by-laws and adherence to relevant urban design guidelines, standards and feedback provided at the pre-consultation meeting.
<b>How should this be prepared?</b>	<p>Depending on the size or complexity of the development proposal, requested lighting information may be provided on a separate <i>lighting plan</i>, or the information may be included on the site plan, landscape plan and elevation drawings. In either case, the following is required:</p> <ul style="list-style-type: none"><li>▪ the location of all existing and proposed exterior lighting fixtures</li><li>▪ the mounting height of all existing and proposed fixtures (from adjacent grade to underside of the fixture)</li><li>▪ the site areas and/or building elements intended to be illuminated</li><li>▪ that the lighting fixtures, electrical conduit, and areas to be illuminated do not conflict with existing or proposed vegetation</li><li>▪ notations that all exterior lighting fixtures are full cut-off to direct illumination downward and dark sky compliant to reduce light pollution, sky glare, and light trespass onto neighbouring properties</li><li>▪ manufacturer's data demonstrating the specifications for all proposed lighting fixtures, including the photometric data, designation as IESNA "full cut-off" fixtures, and other descriptive information related to the fixtures</li></ul> <p>In addition to the requirement for a lighting plan, a <i>photometric plot plan</i> may be required for development proposals located adjacent to sensitive land uses and/or other contexts. The <i>photometric plot plan</i> should include the following information:</p> <ul style="list-style-type: none"><li>▪ provide all illumination levels in lux</li><li>▪ demonstrate illumination levels of 0.0 lux measured at all property lines</li><li>▪ provide readings that extend 6.0m beyond the property lines of the subject site</li></ul>

**What else should we know?**

Recommend reviewing the specific requirements of your application with an Urban Designer in the Planning Services Department to determine how information for proposed site lighting should be provided, whether on the *site plan/landscape plan*, a *lighting plan*, and/or a *photometric plot plan*.

The information on the *lighting plan* must be coordinated with all other required submission materials and drawings.

**What other resources are available?**

Town of Oakville - Livable by Design Manual:

<http://www.oakville.ca/business/urban-design-manual.html>

Town of Oakville - North Oakville Urban Design and Open Space Guidelines:

<http://www.oakville.ca/assets/2011%20planning/nco-urbdesguidelines-09nov09.pdf>

Town of Oakville – Municipal Lighting Study Part 1: Lighting of Sports Fields in Residential Neighbourhoods:

<http://www.oakville.ca/assets/general%20-%20culture%20recreation/LightingStudy2010.pdf>

Town of Oakville By-law 2010-070 (includes sportsfield lighting)

<http://www.oakville.ca/assets/general%20-%20culture%20recreation/2010-070.pdf>

Municipal facilities lighting:

<https://securepwa.oakville.ca/sirepub/mtgviewer.aspx?meetid=1330&doctype=AGENDA>

Town of Oakville – Application forms and guidelines:

<http://www.oakville.ca/business/application-forms-guidelines.html>