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# OUTDOOR LIGHTING

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## **14.0 Purpose**

The purpose of Outdoor Lighting requirements is to prevent excessive artificial light caused by inappropriate or misaligned light fixtures that produce glare, light trespass (nuisance light) and/or unnecessary sky glow.

All outdoor light fixtures installed and thereafter maintained within Harrison Township shall comply with the standards set forth in this section. Unless otherwise expressly exempted, lighting installed by Harrison Township shall comply with the standards set forth in this section.

## **14.1 Lighting Requirements for All Districts**

The regulations contained in this section shall apply to all exterior lighting in all districts:

1. Where used for security purposes or to illuminate walkways, roadways and parking lots, only shielded light fixtures shall be used.
2. Where used for nonresidential purposes, all light fixtures shall be equipped with automatic timing devices which turn off or reduce the lighting during non-operating hours and comply with the following:
  - a. Light fixtures used to illuminate flags, statues or any other objects mounted on a pole, pedestal or platform, shall use a narrow cone beam of light that will not extend beyond the illuminated object.
  - b. Other upward directed architectural, landscape or decorative direct light emissions shall have at least 90 percent of their total distribution pattern within the profile of the illuminated structure.
  - c. Recreational and sports facility lighting shall be shielded. Such lighting shall have directional and glare control devices, when necessary to avoid light trespass.
  - d. Externally illuminated signs including commercial billboard, building identification or other similar illuminated signs shall comply with the following:
    - i. Top mounted light fixtures shall be shielded and are preferred.
    - ii. When top mounted light fixtures are not feasible, illumination from other positioned light fixtures shall be restricted to the sign area. Visors or other directional control devices shall be used to keep at least 90 percent of their total distribution pattern within the profile of the illuminated item.
  - e. All other outdoor lighting shall use shielded light fixtures.
  - f. The term “shielded light fixture” as used herein means a fixture for which direct illumination from the light source (e.g., light bulb) is not visible when the fixture is viewed along a line parallel with the ground at the height of the fixture.

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3. No flickering or flashing lights shall be permitted, except for temporary holiday decorations which may be in use only during the period from Thanksgiving Day until January 6.
4. Artificially produced light straying beyond property boundaries shall be considered a light trespass when intensity levels exceed the following maximum illumination levels at the adjoining property line and shall be adjusted, modified or removed accordingly.

Maximum Light Pollution Illuminance	
Receiving Area Classification	Maximum Vertical Foot Candles (measured at 5 (five) feet above grade at property line)
Agriculture	6.5
Conservation	0.8
Residential	0.1
Business	6.5
Manufacturing	6.5

Note: When two differing area classifications abut, the lower light level value shall take precedence (i.e., residential over business).

### **14.2 Light Trespass (Nuisance Light)**

All light fixtures, except street lighting, shall be designed, installed and maintained to prevent light trespass. Outdoor light fixtures, properly installed and thereafter maintained, shall be directed so there will be no objectionable direct glare source visible from any property.

### **14.3 Height Requirements for Lighting**

The regulations contained in this section apply to height requirements in the following districts:

1. Street lighting on arterial streets or collector streets in a residential area shall be mounted no higher than twenty-five (25) feet, all other light fixtures in residential areas shall be mounted no higher than sixteen (16) feet.
2. Light fixtures for sporting facilities shall be mounted no higher than fifty (50) feet
3. Light fixtures in nonresidential uses shall be mounted no higher than twenty-five (25 ) feet.