

Figure 5.5. House-side shield configurations

5.6. **Effective Shielding Standard.** All light fixtures that are required to be **fully shielded** shall be **installed** and maintained in such a manner that the shielding is effective as described in the definition for **fully shielded** fixtures.

5.7. **Curfews**

- A. **Decorative lighting** shall be extinguished between 10:00pm, or when the business closes (whichever is later), and the time the business re-opens.
- B. **Area lighting** located 75 feet or more from the nearest building, **display area** or storage area, except lighting for public roadways and lighting required to meet egress illumination standards, shall be extinguished between 10:00pm, or within sixty (60) minutes of the business closing (whichever is later), and the time the business re-opens.
- C. All lighting subject to curfews in Section 5.7.A and 5.7.B shall be controlled by automatic time switches.

## Section 6. Outdoor Advertising Sign Lighting Standards.<sup>1</sup>

6.1. **Externally Illuminated Sign** Lighting Standards. External lighting for signs, including **billboards**, shall conform to the provisions of this Code, including but not limited to the lamp source, shielding and **total outdoor light output** standards of Section 5 (except as provided in Section A below).

- A. Upward-directed sign lighting is prohibited.
- B. Lighting for externally illuminated **billboards** is allowed up to a maximum of 200 initial lamp **lumens** per square foot of illuminated sign face, even

<sup>1</sup> Some jurisdictions include all sign standards, including those related to lighting, in a separate sign code.

when the **total outdoor light output** standards in Section 5.2 would not otherwise permit such lighting.

6.2. **Internally Illuminated Sign, Neon Sign, Multicolor Fixed-Copy LED Sign and Single-Color LED Sign** Lighting Standards.

- A. Outdoor **internally illuminated signs** must either be constructed with an **opaque** background and translucent text and symbols, or with a colored background (Figure 6.2.A); backgrounds shall not be white, off-white, light grey, cream, or yellow. Lamps used for internal illumination of such signs shall not be counted toward the **total outdoor light output** standards in Section 5.2.




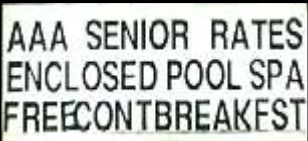





Light Background <input type="checkbox"/>	Colored Background <input checked="" type="checkbox"/>	Opaque Background <input checked="" type="checkbox"/>
		
		
		

Figure 6.2.A **Internally illuminated sign** styles

- B. **Neon signs, multicolor fixed-copy LED Signs and single-color LED signs** (Figure 6.2.B) shall be treated as internally illuminated signs for the purposes of this Code, and shall not have their luminous outputs counted toward the **total outdoor light output** standards in Section 5.2. Any lighting extending beyond the area considered to be the sign area (as defined in the Sign Code of this jurisdiction) shall be considered **decorative lighting**, and shall be subject to the standards applicable for such lighting, including but not limited to the lamp source, shielding and **total outdoor light output** standards of Section 5.



Figure 6.2.B *Neon, multicolor fixed-copy LED and single-color LED signs*

C. Other internally-illuminated panels or decorations not considered to be signage according to the sign code of this jurisdiction (such as illuminated canopy margins or building faces), shall be considered **decorative lighting**, and shall be subject to the standards applicable for such lighting, including but not limited to the lamp source, shielding and **total outdoor light output** standards of Section 5.

6.3. **Multicolor Changeable-Copy LED Sign** Lighting Standards. Lighting for **multicolor changeable-copy LED signs** must meet the following:

A. **Multicolor changeable-copy LED signs** must include photocell technology to control and vary the intensity of lighting depending on the amount of ambient light that is present to prevent overly bright **luminance** at night: automatic controls must limit night luminance to a maximum of 100 **nits** when the display is set to show maximum brightness white (100% full white mode). The applicant shall provide a written certification from the sign manufacturer that the nighttime light intensity has been factory pre-set not to exceed this level, and that this setting is protected from end-user modification by password-protected software or other method as deemed appropriate by the Planning Director.



Figure 6.3.A *Multicolor changeable-copy LED sign*

6.4. Curfews. Illumination for all **on-site advertising signs** except **billboards**, both externally and internally illuminated, shall be turned off at the curfew times listed in Table 6.4 or when the business closes, whichever is later. Signs subject to curfews are required to have functioning and properly adjusted automatic shut-off timers. Light background (white, off-white, light gray, cream or yellow) **internally illuminated signs, installed** legally before enactment of this code [enter date], may continue to be used and illuminated but must conform to the curfews as indicated.

Table 6.4 ILLUMINATED SIGN CURFEWS

Land Use Zoning and Sign Type	Curfew
<b>Commercial and Industrial zoning</b>	
<b>Opaque</b> Background	10pm
Colored Background	10pm
Light Background	8pm
<b>All residential and mixed-use zoning</b>	
<b>Opaque</b> Background	9pm
Colored Background	9pm
Light Background	6pm

Note to Table 6.4

Land Use Zoning refers to the predominant use of land by area within 1,000 feet of the parcel on which the sign is located.

**Section 7: Special Uses.**

7.1. Recreational Facilities.

A. Class of Play. Fields designed primarily for use by municipal or amateur leagues, training, recreational or social levels, shall be considered **Sports Class IV** as defined by the Illuminating Engineering Society of North America (IESNA). Fields designed primarily for college, semiprofessional, professional or national levels shall be considered **Sports Class I, Sports Class II** or **Sports Class III** as defined by IESNA.

B. Lighting Amount.

1. In critical **Astronomical Resource Zones**: Lighting for outdoor athletic fields, courts or tracks shall be included in the **total outdoor light output** standards of Section 5.2.