

Temporary Stand Lighting

Requirements from 2002 National Electrical Code

225.6 Conductor Size and Support.

(A) Overhead Spans. Open individual conductors shall not be smaller than the following:

- (1) For 600 volts, nominal, or less, No. 10 copper or No. 8 aluminum for spans up to 50 feet (15.2 m) in length and No. 8 copper or No. 6 aluminum for a longer span, unless supported by a messenger wire.
- (2) For over 600 volts, nominal, No. 6 copper or No. 4 aluminum where open individual conductors and No. 8 copper or No. 6 aluminum where in cable.

(B) Festoon Lighting. Overhead conductors for festoon lighting shall not be smaller than No. 12 unless supported by messenger wires. In all spans exceeding 40 feet (12.2 m), the conductors shall be supported by messenger wire. The messenger wire shall be supported by strain insulators. Conductors or messenger wires shall not be attached to any fire escape, down spout, or plumbing equipment.

Definition: Festoon lighting is a string of outdoor lights that is suspended between two points.

225.18 Clearance from Ground. Overhead spans of open conductors and open multiconductor cables of not over 600 volts, nominal, shall conform to the following:

- (1) 10 ft (3.05 m) – above finished grade, sidewalks, or from any platform or projection from which they might be reached where the voltage does not exceed 150 volts to ground and accessible to pedestrians only;
- (2) 12 ft (3.66 m) – over residential property and driveways, and those commercial areas not subject to truck traffic where the voltage does not exceed 300 volts to ground;
- (3) 15 ft (4.57 m) for areas listed in the 12 ft classification where the voltage exceeds 300 volts to ground;
- (4) 18 ft (5.49 m) – over public streets, alleys, roads, parking areas subject to truck traffic, driveways on other than residential property, and other land traversed by vehicles such as cultivated, grazing, forest and orchard.

527.3 Time Constraints

(D) Removal. Temporary wiring shall be removed immediately upon completion of construction or purpose for which the wiring was installed.

527.4 General.

(A) Services. Services shall be installed in conformance with Article 230.

(B) Feeders. Feeders shall be protected as provided in Article 240. They shall originate in an approved distribution center. Conductors shall be permitted within cable assemblies or within cords or cables of a type identified in Table 400-4 for hard usage or extra hard usage. For the purpose of this section, Type NM and Type NMC cables shall be permitted to be used in any dwelling, building, or structure without any height limitation.

(C) Branch Circuits. All branch circuits shall originate in an approved power outlet or panelboard. Conductors shall be permitted within cable assemblies, or within multi-conductor cord or cable of a type identified in Table 400-4 for hard usage or extra hard usage. All conductors shall be protected as provided in Article 240. For the purpose of this section, Type NM and Type NMC cables shall be permitted to be used in any dwelling, building, or structure without any height limitation. Wiring shall not be subject to physical damage, and the conductors shall be supported on insulators at intervals of not more than 10 ft (3.05 m); or, for festoon lighting, the conductors shall be arranged so that excessive strain is not transmitted to the lampholders.

(D) Receptacles. All receptacles shall be of grounding type. Unless installed in a continuous grounded metal raceway or metal covered cable, all branch circuits shall contain a separate equipment grounding conductor, and all receptacles shall be electrically connected to the equipment grounding conductors. Receptacles on construction sites shall not be installed on branch circuits which supply temporary lighting. Receptacles shall not be connected to the same ungrounded conductor of multi-wire circuits that supply temporary lighting.

(E) Disconnecting Means. Suitable disconnecting switches or plug connectors shall be installed to permit the disconnection of all ungrounded conductors of each temporary circuit. Multi-wire branch circuits shall be provided with a means to disconnect simultaneously all ungrounded conductors at the power outlet or panel board where the branch circuit originated. Approved handle ties shall be permitted.

(F) Lamp Protection. All lamps for general illumination shall be protected from accidental contact or breakage by a suitable fixture or lamp holder with a guard. Brass shell, paper-lined sockets, or other metal-cased sockets shall not be used unless the shell is grounded.

(H) Protection from Accidental Damage. Flexible cords and cables shall be protected from accidental damage. Sharp corners and projections shall be avoided. When passing through doorways or other pinch points, protection shall be provided to avoid damage.

527.6 Ground-Fault Protection for Personnel.

(A) Receptacle Outlets. All 125 volt single phase 15-, 20-, and 30-ampere receptacle outlets that are not a part of the permanent wiring of the building or structure and that are in use by personnel shall have ground-fault circuit interrupter protection for personnel.

Temporary Stand Permit Submittal Requirements

- Completed temporary stand permit application.
- Submit a site plan showing the location of the stand and its associated parking, lighting, trash, and fencing.
- A copy of the Broomfield sales tax license should accompany the application. If the sales tax license is under review and not yet issued, we will verify with the sales tax division and proceed with the permit.
- Proof of health department approval shall be submitted with the permit application for temporary stands serving or selling food.
- Submit a copy of the written consent of the property owner for the specific use and structures proposed for each stand.
- Temporary stand permits shall have a flat fee of \$50.00.

Temporary stand permit applications will be reviewed by both Building and Planning Divisions for compliance with the Broomfield Municipal Code. This review may take up to two weeks.

Temporary Stand Requirements

- Carts, kiosks, tents, or stands on the outside of the village, exterior of the mall, or in the parking lot shall comply with the approved Flatiron Crossing Site Development Plan and the B-2 zoning district.
- Temporary stands shall be located at least 30 feet from the curb of a public street, and shall not obstruct visibility of motorists. Access to and from the stand shall be limited to existing driveways or as approved by the city engineer.
- Stand lighting shall not glare onto adjoining properties or public streets.
- Signage shall be limited to the walls of a vehicle or structure or to a single free standing sign that is not more than 10 square feet in area per sign face. Signs and other changes to exterior elevations shall also comply with the approved Flatiron Crossing Site Development Plan, and require building permits prior to construction.
- Food service shall provide functional, attractive, and adequate trash containers.
- The temporary use permit is valid for a maximum time period of ten calendar days, and may be renewed up to three times in any twelve month period. The following uses may be granted permits for longer time periods, but may not be renewed: Christmas tree sales, 30 days; produce sales, 90 days; nursery stock sales, 90 days; retail (ready to eat) food sales, 60 days.