



California State Fire Marshal **CODE INTERPRETATION**

Date Issued	March 28, 2005	Interpretation #	05-004
Topic	Calculating Circuit Voltage Drop		
Code Section(s)	NFPA 72, Section 4-2.1.2		
Requested by	Terry Szalai Suite Electrical Engineering 463 Aviation Blvd. #200 Santa Rosa CA. 95403		

1. There are visual strobes manufactured that have multiple candela settings on the device (protected by a removable clear plate), and consequently multiple current ratings. Is it the intent of this code that voltage drop calculations reflect the maximum possible candela and amperage values of all such devices rather than the specific candela and amperage ratings indicated on the design drawings?

No. The calculations shall be based on the candela rating specified for the room or space.

2. Is the same true for devices with multiple audibility settings?

The same would apply for adjustable sounding audible appliances.

NOTE: Where appliance audibility or candela settings are modified, the fire alarm as-built plans shall reflect the appropriate calculations.