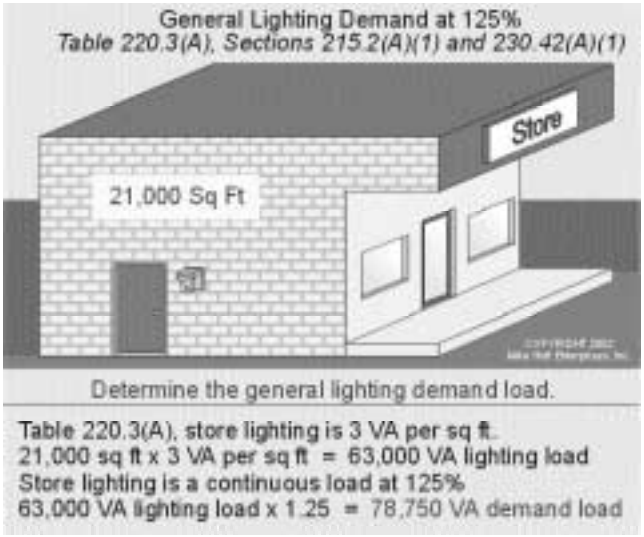

Figure 11-11
General Lighting Demand at 125%

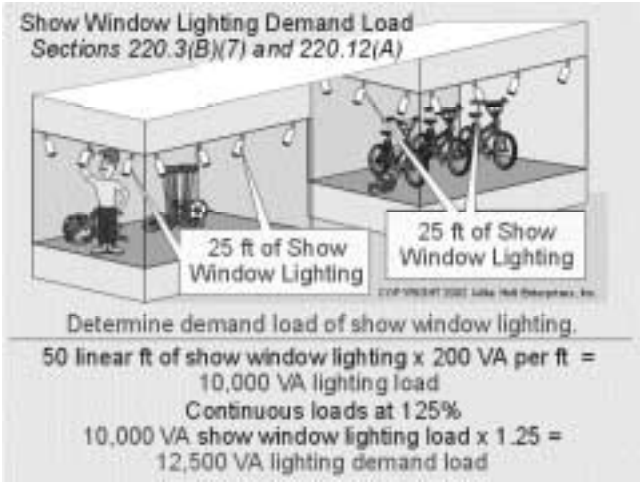

Figure 11-12
Show-Window Lighting Demand Load

❑ Club Lighting

What is the general lighting load for a 4,700 sq ft dance club?

(a) 4,700 VA (b) 9,400 VA (c) 11,750 VA (d) 250 kVA

• Answer: (c) 11,750 VA

4,700 sq ft × 2 VA × 1.25 = 11,750 VA

❑ School Lighting

What is the general lighting load for a 125,000 sq ft school?

(a) 125 kVA (b) 375 kVA (c) 469 kVA (d) 550 kVA

• Answer: (c) 469 kVA

125,000 sq ft × 3 VA × 1.25 = 468,750 VA

11–13 LIGHTING – MISCELLANEOUS

Show-Window Lighting [220.3(B)(7) and 220.12(A)]

The demand load for each linear foot of show-window lighting shall be calculated at 200 VA per ft. Show-window lighting is assumed to be a continuous load; see Example D3 in Annex D for the requirements for show-window branch circuits.

❑ Show-Window Load

What is the demand load in kVA for 50 ft of show-window lighting? Figure 11–12.

(a) 6 kVA (b) 7.5 kVA (c) 9 kVA (d) 12.5 kVA

• Answer: (d) 12.5 kVA

50 ft × 200 VA per ft = 10,000 VA × 1.25 = 12,500 VA

11–14 MULTIOUTLET RECEPTACLE ASSEMBLY [220.3(B)(8)]

Each 5 ft or fraction of a foot, of multioutlet receptacle assembly shall be considered to be 180 VA for service calculations. When a multioutlet receptacle assembly is expected to have a number of appliances used simultaneously, each ft or fraction of a ft shall be considered as 180 VA for service calculations. A multioutlet receptacle assembly is not generally considered to be a continuous load.