

**EMERGENCY EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
DIVISION OF THE STATE ARCHITECT –STRUCTURAL SAFETY (DSA-SS)
IN THE
2010 CALIFORNIA GREEN BUILDING STANDARDS CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11**

LEGEND FOR EXPRESS TERMS

1. Existing California amendments or code language being modified appears in *italics*, with modified language underlined.
2. Repealed text appears in ~~strikeout~~.

EXPRESS TERMS

**SECTION A5.106
SITE DEVELOPMENT**

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A5.106.8 Light pollution reduction. Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the California Energy Code for Lighting Zones 1-4 as defined in Chapter 10 of the California Administrative Code; and
2. Backlight, Uplight and Glare (BUG) ratings as defined in IESNA TM-15-07; and
3. Allowable BUG ratings not exceeding those shown in Table A5.106.8, or

Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions:

1. Luminaires that qualify as exceptions in the California Energy Code
2. Emergency lighting

Note: See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.

TABLE A5.106.8
Maximum Allowable Backlight, Uplight and Glare (BUG) Ratings¹

<u>Allowable Rating</u>	<u>Lighting Zone 1</u>	<u>Lighting Zone 2</u>	<u>Lighting Zone 3</u>	<u>Lighting Zone 4</u>
<u>Allowed Backlight Rating</u>				
<u>Greater than 2 mounting heights from property line</u>	<u>B3</u>	<u>B4</u>	<u>B5</u>	<u>B5</u>
<u>1 – 2 mounting heights from property line and oriented with B towards the property line</u>	<u>B2</u>	<u>B3</u>	<u>B4</u>	<u>B4</u>
<u>0.5 – 1 mounting height from property line and oriented with B towards the property line</u>	<u>B1</u>	<u>B2</u>	<u>B3</u>	<u>B3</u>
<u>Less than 0.5 mounting height from property line adjacent to a street and oriented with B towards the property line²</u>	<u>B0</u>	<u>B1</u>	<u>B2</u>	<u>B3</u>
<u>Less than 0.5 mounting height from property line and oriented with B towards the property line</u>	<u>B0</u>	<u>B0</u>	<u>B1</u>	<u>B2</u>
<u>Allowed Uplight Rating</u>	<u>U0</u>	<u>U1</u>	<u>U2</u>	<u>U3</u>
<u>Allowed Glare Rating²</u>	<u>G1</u>	<u>G2</u>	<u>G3</u>	<u>G4</u>
<u>Allowed Glare Rating, Building Mounted Luminaires³</u>				
<u>Greater than 2 mounting heights to any property line</u>	<u>G1</u>	<u>G2</u>	<u>G3</u>	<u>G4</u>
<u>1 – 2 mounting heights to any property line</u>	<u>G0</u>	<u>G1</u>	<u>G1</u>	<u>G2</u>
<u>0.5 – 1 mounting heights to any property line</u>	<u>G0</u>	<u>G0</u>	<u>G1</u>	<u>G1</u>
<u>Less than 0.5 mounting height to any property line</u>	<u>G0</u>	<u>G0</u>	<u>G0</u>	<u>G1</u>

¹ IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the California Administrative Code.

² For purposes of compliance with this section, the property line may be considered to be the centerline of a public roadway or transit line. For properties adjacent to public walkways, bikeways, plazas and parking lots, the property line may be considered to be five feet beyond the site boundary.

³ Building-mounted luminaires that cannot be mounted with their backlight to the property line shall meet the Allowed Glare rating for all luminaires. Light from a building-mounted luminaire shall not exceed the Backlight rating in the direction of the property line.

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Notation:

Authority – Education Code Sections 17280--17317 and 81130--81147.

Reference – Education Code Sections 17310 and 81142.