



**BSR/ASHRAE/IES Addendum am
to ANSI/ASHRAE/IES Standard 90.1-2019**

Public Review Draft

**Proposed Addendum am to
Standard 90.1-2019, Energy Standard
for Buildings Except Low-Rise
Residential Buildings**

**First Public Review (August 2021)
(Draft Shows Proposed Changes to Current Standard)**

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(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This addendum reflects a change in exterior lighting power density values. The changes are based on improvements in technology and revised lighting practices related to light loss factors. Although there are four lighting zones, the vast majority of the population lives (and therefore buildings and energy use) in Lighting Zone 2 or 3. Not explicitly stated in the document, but Lighting Zone 4 is reserved for dense urban areas with high light levels (e.g., Las Vegas Strip, Times Square New York City, South Street Seaport New York City, etc.) Values were established based on criteria for Lighting Zone 3 and then scaled to the other lighting zones accordingly. This addendum represents roughly a 40% reduction in the values that were last modified in the ANSI/ASHRAE/IES Standard 90.1-2016. This reduction directly relates from improvements in LED technology as well as new data on light loss factors.

The other major change in the addendum is a restructuring of the section and related tables. Previous versions of Std. 90.1 contained text related to lighting controls, but this version specifically indicates which controls should be used in each specific area. The other change is that the previous version contained two separate lists of exceptions. These exceptions were grouped together and listed in a singular table. Finally, that table was relocated to a similar location as the interior exceptions. Few changes occurred to the exceptions; this addendum primarily reorders and restructures the section and tables for easier review and compliance.

This addendum is cost effective and meets the Std. 90.1 scalar ratio. Prices were supplied by a third party and have remained relatively flat related to the 2016 options (last time the values were modified). The prices remained flat while efficacy improved.

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous draft are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.]

Addendum am to 90.1-2019

Modify the standard as follows (IP and SI Units)

9.2.3.2 Exterior Lighting Power Allowance

The exterior lighting power allowance for a ~~building~~, or a ~~separately metered or permitted portion of a building~~, shall be determined by

- a. Section 9.3.2, “Simplified Building Method of Calculating Exterior Lighting Power Allowance,” when using Section 9.3 to determine the *interior lighting power allowance*, or

- b. Section 9.4.2, “Exterior Building Lighting Power,” when using Section 9.5 or Section 9.6 to determine the *interior lighting power allowance*.

[...]

[INFORMATIVE NOTE FOR REVIEWERS: This table is a new structure, but the text was moved from Exceptions to 9.4.2, and is just specified here in a tabular format. **Red text is not part of this addendum and not open to comment.**]

Table 9.2.3.2 Exceptions to Exterior Lighting Power and Minimum Control Zones

Item #	Equipment/Application	Controlled Separately from General Lighting	Required Controls
<u>1</u>	<u>Specialized signal, directional, and marker lighting associated with transportation</u>	Yes	9.4.1.4a
<u>2</u>	<u>Lighting integral to equipment or instrumentation and installed by its manufacturer</u>	Yes	9.4.1.4a
<u>3</u>	<u>Temporary lighting</u>	Yes	9.4.1.4a
<u>4</u>	<u>Searchlights</u>	Yes	9.4.1.4a
<u>5</u>	<u>Lighting for hazardous locations</u>	Yes	9.4.1.4a
<u>6</u>	<u>Lighting integral to public art</u>	Yes	9.4.1.4a
<u>7</u>	<u>Lighting used to highlight features of public monuments, public art displays, and registered historic landmark structures or buildings.</u>	Yes	9.4.1.4b
<u>8</u>	<u>Lighting for theatrical purposes, including performance, stage, film production, and video production</u>	Yes	9.4.1.4a
<u>9</u>	<u>Lighting for athletic playing areas for colleges and professional sports venues</u>	Yes	9.4.1.4a
<u>10</u>	<u>Lighting for athletic playing areas</u>	Yes	9.4.1.4a, b, c
<u>11</u>	<u>Lighting for swimming pools</u>	Yes	9.4.1.4a
<u>12</u>	<u>Lighting for water features.</u>	Yes	9.4.1.4b, c
<u>13</u>	<u>Theme elements in theme/amusement parks.</u>	Yes	9.4.1.4 c
<u>14</u>	<u>Lighting that is integral to signage and installed in the signage by the manufacturer.</u>	Yes	9.4.1.4d

15	<u>Lighting for industrial production, material handling, transportation sites, and associated storage areas.</u>	<u>Yes</u>	<u>9.4.1.4b, d or e</u>
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Informative note: public art means art funded either with public or private funds, but intended and accessible for the general public.

9.4.1.4 Exterior Lighting Control

For each surface or area, all of the lighting *control* functions indicated in Table 9.4.2-2, shall be implemented. Lighting for exterior applications not exempted in Section 9.1 shall meet the following requirements defined here and listed in Table 9.4.2-2:

- a. OFF control: There shall be one or more lighting control(s) that turns off all of the lighting in the area or surface.
- b. Daylight OFF control: Lighting shall be controlled by a device that automatically turns off the lighting when sufficient daylight is available or within 30 minutes of sunrise.
- c. ~~All building façade and landscape~~ Scheduled OFF control: Lighting shall automatically shut off between midnight or business closing, whichever is later, and 6 a.m. or business opening, whichever comes first, or between times established by the authority having jurisdiction.
- d. Scheduled light reduction control: Lighting not specified in Section 9.4.1.4(b) and lighting for signage shall be controlled by a device that to automatically reduces the connected lighting power by at least 50% for at least one of the following conditions:
 1. ~~From 12 midnight or within one hour of the end of business operations, whichever is later, until 6 a.m. or the beginning of business opening operations, whichever is earlier~~
 2. ~~During any period when no activity has been detected for a time of no longer than 15 minutes~~
- e. ~~Luminaires serving outdoor parking areas and having a rated input wattage of greater than 78 W and a mounting height of 24 ft or less above the ground shall be controlled to automatically reduce the power of each luminaire~~ Occupancy sensing light reduction control: Lighting shall be controlled to automatically reduce the connected lighting power by a minimum of 50% when no activity has been detected in the area illuminated by the controlled luminaires for a time of no longer than 15 minutes. No more than 1500 W of lighting power shall be controlled together.

All time switches shall be capable of retaining programming and the time setting during loss of power for a period of at least ten hours.

Exception to 9.4.1.4

1. ~~Lighting for covered vehicle entrances or exits from buildings or parking structures where required for safety, security, or eye adaptation.~~
 2. ~~Lighting that is integral to signage and installed in the signage by the manufacturer.~~
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Table 9.4.2-1 Exterior Lighting Zones

Lighting Zone	Description
0	Undeveloped areas within national parks, state parks, forest land, rural areas, and other undeveloped areas as defined by the <i>authority having jurisdiction</i>
1	Developed areas of national parks, state parks, forest land, and rural areas
2	Areas predominantly consisting of <i>residential</i> zoning, neighborhood business districts, light industrial with limited nighttime use and <i>residential</i> mixed-use areas
3	All other areas
4	High-activity commercial districts in major metropolitan areas as designated by the local jurisdiction

9.4.2 Exterior Building Lighting Power

The total *exterior lighting power allowance* for all exterior ~~building~~ applications is the sum of the base site allowance plus the individual allowances for areas that are designed to be illuminated and are permitted in Table 9.4.2-2 for the applicable lighting zone in Table 9.4.2-1. The *installed exterior lighting power* identified in accordance with Section 9.1.3 shall not exceed the *exterior lighting power allowance* developed in accordance with this section. Trade-offs are allowed only among exterior lighting applications listed in the Table 9.4.2-2 “Tradable Surfaces” section. The lighting zone for ~~the building~~ exterior applications is determined from Table 9.4.2-1 unless otherwise specified by the local jurisdiction.

INFORMATIVE NOTE FOR REVIEWERS: This text is being relocated into a table (see earlier Table 9.2.3.2)

Exception to 9.4.2

- ~~1. Lighting used for the following exterior applications is exempt when equipped with a *control device* that complies with the requirements of Section 9.4.1.4 and is independent of the *control* of the nonexempt lighting:

 - ~~a. Lighting that is integral to signage and installed in the signage by the *manufacturer*.~~
 - ~~b. Lighting for athletic playing areas.~~
 - ~~c. Lighting for industrial production, material handling, transportation sites, and associated storage areas.~~
 - ~~d. Theme elements in theme/amusement parks.~~
 - ~~e. Lighting used to highlight features of public monuments, public art displays, and registered *historic* landmark structures or *buildings*.~~
 - ~~f. Lighting for water features.~~~~
- ~~2. Lighting used for the following exterior applications is exempt when controlled separately:

 - ~~a. Specialized signal, directional, and marker lighting associated with transportation.~~
 - ~~b. Lighting integral to *equipment* or instrumentation and installed by its *manufacturer*.~~
 - ~~c. Lighting for theatrical purposes, including performance, stage, film production, and video production.~~
 - ~~d. Temporary lighting.~~
 - ~~e. Lighting for hazardous locations.~~
 - ~~f. Lighting for swimming *pools*.~~
 - ~~g. Searchlights.~~~~

[INFORMATIVE NOTE FOR REVIEWERS: The highlighted changes in Tables 9.4.2-2 below will only occur upon publication of Addendum ad, which created the shift in numbering. This addendum has been approved and is pending publication.]

Table 9.4.2-2 Individual Lighting Power Allowances for ~~Building~~ Exteriors Applications (I-P)

	Zone 0	Zone 1	Zone 2	Zone 3	Zone 4	Section 9.4.1.4 Required Controls
Base Site Allowance (Base allowance may be used in tradable or non-tradable surfaces.)						
	No allowance	350 <u>160</u> W	400 <u>280</u> W	500 <u>400</u> W	900 <u>560</u> W	
Tradable Surfaces (LPD allowance for uncovered parking areas, <i>building grounds</i> , <i>building entrances</i> , exits and loading docks, canopies and overhangs, and outdoor sales areas may be traded.)						
Uncovered Parking Areas						
Parking areas and drives	No allowance	0.03 <u>0.015</u> W/ft ²	0.04 <u>0.026</u> W/ft ²	0.06 <u>0.037</u> W/ft ²	0.08 <u>0.052</u> W/ft ²	<u>b and d or e</u>
<u>Parking areas and drives with luminaires >78W and mounting height <24 ft</u>	<u>No allowance</u>	<u>0.015</u> W/ft ²	<u>0.026</u> W/ft ²	<u>0.037</u> W/ft ²	<u>0.052</u> W/ft ²	<u>b and e</u>
Building Grounds						
Walkways/ramps less than 10 ft wide	No allowance	0.5 <u>W/linear foot</u> <u>0.04</u> W/ft ²	0.5 <u>W/linear foot</u> <u>0.07</u> W/ft ²	0.6 <u>W/linear foot</u> <u>0.10</u> W/ft ²	0.7 <u>W/linear foot</u> <u>0.14</u> W/ft ²	<u>b and d or e</u>
Walkways/ramps, 10 ft wide or greater Plaza areas, Special feature areas	No allowance	<u>0.028</u> <u>0.10</u> W/ft ²	<u>0.049</u> <u>0.10</u> W/ft ²	<u>0.070</u> <u>0.10</u> W/ft ²	<u>0.098</u> <u>0.14</u> W/ft ²	<u>b and d or e</u>
<u>Roof terraces and Special Features</u>	<u>No allowance</u>	<u>0.04</u> W/ft ²	<u>0.07</u> W/ft ²	<u>0.10</u> W/ft ²	<u>0.140</u> W/ft ²	<u>b and d or e</u>
Dining areas	No allowance	0.156 <u>0.65</u> W/ft ²	0.273 <u>0.65</u> W/ft ²	0.390 <u>0.75</u> W/ft ²	0.546 <u>0.95</u> W/ft ²	<u>b and d or e</u>
Stairways	No allowance	0.6 <u>W/ft²</u>	0.7 <u>W/ft²</u>	0.7 <u>W/ft²</u>	0.7 <u>W/ft²</u>	
Pedestrian tunnels	No allowance	0.063 <u>0.12</u> W/ft ²	0.110 <u>0.12</u> W/ft ²	0.157 <u>0.14</u> W/ft ²	0.220 <u>0.21</u> W/ft ²	<u>d or e</u>
Landscaping	No allowance	0.014 <u>0.03</u> W/ft ²	0.025 <u>0.04</u> W/ft ²	0.036 <u>0.04</u> W/ft ²	0.050 <u>0.04</u> W/ft ²	<u>b and c</u>
Building Entrances, Exits, and Loading Docks						
Pedestrian and vehicular entrances and exits	No allowance	5.6 <u>14</u> W/lin ft of opening	9.8 <u>14</u> W/lin ft of opening	14.0 <u>21</u> W/lin ft of opening	19.6 <u>21</u> W/lin ft of opening	<u>b and d or e</u>
Entry canopies	No allowance	0.072 <u>0.20</u> W/ft ²	0.126 <u>0.25</u> W/ft ²	0.180 <u>0.40</u> W/ft ²	0.252 <u>0.40</u> W/ft ²	<u>b and d or e</u>
Loading docks	No allowance	0.104 <u>0.35</u> W/ft ²	0.182 <u>0.35</u> W/ft ²	0.260 <u>0.35</u> W/ft ²	0.364 <u>0.35</u> W/ft ²	<u>b and d or e</u>
Sales Canopies						
Free standing and attached	No allowance	0.20 <u>0.4</u> W/ft ²	0.35 <u>0.4</u> W/ft ²	0.50 <u>0.6</u> W/ft ²	0.70 <u>W/ft²</u>	<u>b and d or e</u>
Outdoor Sales						
Open areas (including vehicle sales lots)	No allowance	0.072 <u>0.2</u> W/ft ²	0.126 <u>0.2</u> W/ft ²	0.180 <u>0.35</u> W/ft ²	0.252 <u>0.50</u> W/ft ²	<u>b and d or e</u>

Street frontage for vehicle sales lots in addition to “open area” allowance	No allowance	No allowance	7.2 W/lin ft	10.3 7 W/lin ft	14.4 24 W/lin ft	<u>b and d or e</u>
Non-tradable Surfaces <i>(LPD allowances for the following applications can be used only for the specific application and cannot be traded between surfaces or with other exterior lighting. The following allowances are in addition to any allowance otherwise permitted in the “Tradable Surfaces” section of this table.)</i>						
<u>Stairways</u>	<u>Exempt</u>	<u>Exempt</u>	<u>Exempt</u>	<u>Exempt</u>	<u>Exempt</u>	<u>b</u>
<i>Building facades (The allowance for each illuminated facade orientation shall be calculated by multiplying the allowable value by the entire façade area <u>façade area</u> or facade length for that orientation.)</i>	No allowance	No allowance <u>0.056 /ft² of façade area or 1.4 W/linear foot of façade length</u>	0.098 0.1 W/ft ² of façade area or 2.4 2.5 W/linear foot of façade length	0.140 0.15 W/ft ² of façade area or 3.4 3.75 W/ linear foot of façade length	0.196 0.2 W/ft ² of façade area or 4.8 5.0 W/linear foot of façade length	<u>b and c</u>
Automated teller machines and night depositories	No allowance	90 35 W per location plus 35 45 W per additional ATM per location	90 35 W per location plus 35 45 W per additional ATM per location	90 35 W per location plus 35 45 W per additional ATM per location	90 35 W per location plus 35 45 W per additional ATM per location	<u>b</u>
Uncovered entrances and gatehouse inspection stations at guarded facilities	No allowance	0.144 0.5 W/ft ²	0.252 0.5 W/ft ²	0.360 0.5 W/ft ²	0.504 W/ft ²	<u>b and d or e</u>
Uncovered loading areas for law enforcement, fire, ambulance, and other emergency service <u>service</u> vehicles	No allowance	0.104 0.35 W/ft ²	0.182 0.35 W/ft ²	0.260 0.35 W/ft ²	0.364 0.35 W/ft ²	<u>b and d or e</u>
Drive-through windows/ <i>doors</i>	No allowance	53 200 W per drive-through	92 200 W per drive-through	132 200 W per drive-through	185 200 W per drive-through	<u>b and d or e</u>
Parking near 24-hour retail entrances	No allowance	80 400 W per main entry	140 400 W per main entry	200 400 W per main entry	280 400 W per main entry	<u>b and d or e</u>
Roadway/parking entry, trail head, and toilet facility, or other locations approved by the authority having jurisdiction.	A single luminaire of 25 W or less	No additional allowance	No additional allowance	No additional allowance	No additional allowance	9.4.1.4b,d
For areas that are not listed in this table or are not comparable to areas listed in this table, use	No allowance	22% 65% of the interior lighting power allowance	39% 65% of the interior lighting power allowance value	55% 80% of the interior lighting power allowance value	77% 100% of the interior lighting power allowance	<u>b and d or e</u>

the comparable interior space type from Table 9.6.1 9.5.2.1 as modified by factors in this row.		value			value	
Roadway/parking entry, trail head, and toilet facility, or other locations approved by the authority having jurisdiction.	A single luminaire of 1025 W or less	No additional allowance	No additional allowance	No additional allowance	No additional allowance	<u>b and d or e</u>

Table 9.4.2-2 Individual Lighting Power Allowances for Building-Exteriors Applications (SI)

	Zone 0	Zone 1	Zone 2	Zone 3	Zone 4	Section 9.4.1.4 Required Controls
Base Site Allowance (Base allowance may be used in tradable or non-tradable surfaces.)						
	No allowance	350 <u>160</u> W	400 <u>280</u> W	500 <u>400</u> W	900 <u>560</u> W	
Tradable Surfaces (LPD allowances for uncovered parking areas, building grounds, building entrances, exits and loading docks, canopies and overhangs, and outdoor sales areas may be traded.)						
Uncovered Parking Areas						
Parking areas and drives	No allowance	0.32 <u>0.161</u> W/m ²	0.43 <u>0.280</u> W/m ²	0.65 <u>0.400</u> W/m ²	0.86 <u>0.560</u> W/m ²	<u>b and d or e</u>
Parking areas and drives with luminaires >78W and mounting height <24 ft	No allowance	<u>0.161</u> W/m ²	<u>0.280</u> W/m ²	<u>0.400</u> W/m ²	<u>0.560</u> W/m ²	<u>b and e</u>
Building Grounds						
Walkways/ramps less than 10 ft wide	No allowance	1.6 <u>0.430</u> W/linear foot	1.6 <u>0.753</u> W/linear foot	2.0 <u>1.08</u> W/linear foot	2.3 <u>1.51</u> W/linear foot	<u>b and d or e</u>
Walkways/ramps, 10 ft wide or greater Plaza areas, Special feature areas	No allowance	<u>0.301</u> 1.1 W/m ²	<u>0.527</u> 1.1 W/m ²	<u>0.753</u> 1.2 W/m ²	<u>1.05</u> 1.5 W/m ²	<u>b and d or e</u>
Roof terraces and Special Features	No allowance	<u>0.430</u> W/m ²	<u>0.753</u> W/m ²	<u>1.08</u> W/m ²	<u>1.51</u> W/m ²	<u>b and d or e</u>
Dining areas	No allowance	<u>1.68</u> 7.0 W/m ²	<u>2.94</u> 7.0 W/m ²	<u>4.20</u> 8.1 W/m ²	<u>5.87</u> 10.2 W/m ²	<u>b and d or e</u>
Stairways	No allowance	<u>6.5</u> W/m ²	<u>7.5</u> W/m ²	<u>7.5</u> W/m ²	<u>7.5</u> W/m ²	
Pedestrian tunnels	No allowance	<u>0.678</u> 1.3 W/m ²	<u>1.18</u> 1.3 W/m ²	<u>1.69</u> 1.5 W/m ²	<u>2.37</u> 2.3 W/m ²	<u>d or e</u>
Landscaping	No allowance	<u>0.150</u> 0.32 W/m ²	<u>0.269</u> 0.43 W/m ²	<u>0.387</u> 0.43 W/m ²	<u>0.538</u> 0.43 W/m ²	<u>b and c</u>
Building Entrances, Exits, and Loading Docks						
Pedestrian and vehicular entrances and exits	No allowance	<u>18.4</u> 46 W/lin m of opening	<u>32.1</u> 46 W/lin m of opening	<u>45.9</u> 69 W/lin m of opening	<u>64.3</u> 69 W/lin m of opening	<u>b and d or e</u>
Entry canopies	No allowance	<u>0.774</u> 2.1 W/m ²	<u>1.36</u> 2.7 W/m ²	<u>1.94</u> 4.3 W/m ²	<u>2.71</u> 4.3 W/m ²	<u>b and d or e</u>
Loading docks	No allowance	<u>1.12</u> 3.8 W/m ²	<u>1.96</u> 3.8 W/m ²	<u>2.80</u> 3.8 W/ft ²	<u>3.92</u> 3.8 W/m ²	<u>b and d or e</u>
Sales Canopies						
Free standing and attached	No allowance	<u>2.15</u> 4.3 W/m ²	<u>3.77</u> 4.3 W/m ²	<u>5.38</u> 6.5 W/m ²	<u>7.53</u> 7.5 W/m ²	<u>b and d or e</u>
Outdoor Sales						
Open areas (including vehicle sales lots)	No allowance	<u>0.774</u> 6.5 W/m ²	<u>1.36</u> 6.5 W/ft ²	<u>1.94</u> 6.5 W/ft ²	<u>2.71</u> 6.5 W/m ²	<u>b and d or e</u>

Street frontage for vehicle sales lots in addition to “open area” allowance	No allowance	No allowance	<u>23.6</u> 23 W/lin m	<u>33.4</u> 23 W/lin m	<u>47.3</u> 69 W/lin m	<u>b and d or e</u>
Non-tradable Surfaces <i>(LPD-allowances for the following applications can be used only for the specific application and cannot be traded between surfaces or with other exterior lighting. The following allowances are in addition to any allowance otherwise permitted in the “Tradable Surfaces” section of this table.)</i>						
<u>Stairways</u>	<u>Exempt</u>	<u>Exempt</u>	<u>Exempt</u>	<u>Exempt</u>	<u>Exempt</u>	<u>b</u>
<i>Building facades (The allowance for each illuminated facade orientation shall be calculated by multiplying the allowable value by the entire facade area facade area or facade length for that orientation.)</i>	No allowance	No allowance <u>0.60 W/m² of facade area or 4.59 W/lin m of facade length</u>	<u>1.05</u> 1.1 W/m ² of facade area or <u>7.9</u> 66 W/lin m of facade length	<u>1.51</u> 1.6 W/m ² of facade area or <u>11.2</u> 12.3 W/ lin m of facade length	<u>2.11</u> 2.2 W/m ² of facade area or <u>15.7</u> 16.4 W/lin m of facade length	<u>b and c</u>
Automated teller machines and night depositories	No allowance	90 <u>135</u> W per location plus <u>35</u> 45 W per additional ATM per location	90 <u>135</u> W per location plus <u>35</u> 45 W per additional ATM per location	90 <u>135</u> W per location plus <u>35</u> 45 W per additional ATM per location	90 <u>135</u> W per location plus <u>35</u> 45 W per additional ATM per location	<u>b</u>
Uncovered entrances and gatehouse inspection stations at guarded facilities	No allowance	<u>1.55</u> 5.4 W/m ²	<u>2.71</u> 5.4 W/m ²	<u>3.88</u> 5.4 W/m ²	<u>5.43</u> 5.4 W/m ²	<u>b and d or e</u>
Uncovered loading areas for law enforcement, fire, ambulance, and other emergency service <u>service</u> vehicles	No allowance	<u>1.12</u> 3.8 W/m ²	<u>1.96</u> 3.8 W/m ²	<u>2.80</u> 3.8 W/m ²	<u>3.92</u> 3.8 W/m ²	<u>b and d or e</u>
Drive-through windows/ <i>doors</i>	No allowance	53 <u>200</u> W per drive-through	92 <u>200</u> W per drive-through	132 <u>200</u> W per drive-through	185 <u>200</u> W per drive-through	<u>b and d or e</u>
Parking near 24-hour retail entrances	No allowance	80 <u>400</u> W per main entry	140 <u>400</u> W per main entry	200 <u>400</u> W per main entry	280 <u>400</u> W per main entry	<u>b and d or e</u>
Roadway/parking entry, trail head, and toilet facility, or other locations approved by the authority having jurisdiction.	A single luminaire of 25 W or less	No additional allowance	No additional allowance	No additional allowance	No additional allowance	9.4.1.4b,d
For areas that are not listed in this table or are not comparable to areas	No allowance	22% <u>65%</u> of the interior lighting power allowance	39% <u>65%</u> of the interior lighting power	55% <u>80%</u> of the interior lighting power	77% <u>100%</u> of the interior lighting power	<u>b and d or e</u>

listed in this table, use the comparable interior space type from Table 9.6.1 9.5.2.1 as modified by factors in this row.		value	allowance value	allowance value	allowance value	
<u>Roadway/parking entry, trail head, and toilet facility, or other locations approved by the authority having jurisdiction.</u>	<u>A single luminaire of 1025 W or less</u>	<u>No additional allowance</u>	<u>No additional allowance</u>	<u>No additional allowance</u>	<u>No additional allowance</u>	<u>b and d or e</u>

For Reference Only:

Addendum ad (approved and currently being processed for publication) included a restructuring of Section 9. Upon publication of Addendum ad, the following numbering will apply to the sections modified within this proposal.

9.2.3.29.2.2.2 Exterior Lighting Power Allowance

Table 9.2.2.2 Exceptions to Exterior Lighting Power and Minimum Control Zones