

**WAC 51-11C-405054 Table C405.4.2(2)—Interior lighting power allowances—Space-by-space method.**

**Table C405.4.2(2)  
Interior Lighting Power Allowances—Space-by-Space Method**

<b>Common Space-by-Space Types<sup>a</sup></b>	<b>LPD<sup>d</sup> (w/ft<sup>2</sup>)</b>
Atrium - First 40 feet in height <sup>e</sup>	0.02 per ft. ht.
Atrium - Above 40 feet in height <sup>e</sup>	0.03 + 0.02 per ft. in total height
Audience/seating area - Permanent	
In an auditorium	0.50
In a convention center	0.66
In a gymnasium	0.34
In a motion picture theater	0.91
In a penitentiary	0.22
In a performing arts theater	1.94
In a religious building	1.22
In a sports arena	0.34
Otherwise	0.34
Banking activity area	0.81
Breakroom (see Lounge/breakroom)	
Classroom/lecture hall/training room	
In a penitentiary	1.07
Otherwise	1.00
Conference/meeting/multipurpose	0.98
Copy/print room	0.58
Corridor	
In a facility for the visually impaired (and not used primarily by the staff) <sup>b</sup>	0.74
In a hospital	0.63
In a manufacturing facility	0.33
Otherwise	0.53
Courtroom	1.38
Computer room	1.37
Dining area	
In a penitentiary	0.77
In a facility for the visually impaired (and not used primarily by the staff) <sup>b</sup>	1.52
In a bar/lounge or leisure dining	0.86
In a family dining area	0.71
Otherwise	0.52
Electrical/mechanical	0.76
Emergency vehicle garage	0.45
Food preparation	0.79
Guest room	0.38
Laboratory	

<b>Common Space-by-Space Types<sup>a</sup></b>	<b>LPD<sup>d</sup> (w/ft<sup>2</sup>)</b>
In or as a classroom	1.02
Otherwise	1.45
Laundry/washing area	0.48
Loading dock, interior	0.38
Lobby <sup>c</sup>	
In a facility for the visually impaired (and not used primarily by the staff) <sup>b</sup>	1.44
For an elevator	0.51
In a hotel	0.85
In a motion picture theater	0.42
In a performing arts theater	1.60
Otherwise	0.72
Locker room	0.60
Lounge/breakroom	
In a health care facility	0.74
Otherwise	0.58
Office <sup>f</sup>	
Enclosed	0.89
Open plan	0.78
Parking area, interior	0.15
Pharmacy area	0.91
Restroom	
In a facility for the visually impaired (and not used primarily by the staff) <sup>b</sup>	0.97
Otherwise	0.78
Sales area	1.27
Seating area, general	0.43
Stairway (see space containing stairway)	
Stairwell	0.55
Storage room	0.50
Vehicular maintenance	0.54
Workshop	1.27
<b>Building Specific Space-by-Space Types<sup>a</sup></b>	
<b>Building Specific Space-by-Space Types</b>	<b>LPD<sup>d</sup> (w/ft<sup>2</sup>)</b>
Automotive - (See Vehicular maintenance, above)	
Convention center - Exhibit space	1.16
Dormitory living quarters	0.30
Facility for the visually impaired <sup>b</sup>	
In a chapel (and not used primarily by the staff) <sup>b</sup>	1.77
In a recreation room (and not used primarily by the staff) <sup>b</sup>	1.93
Fire stations - Sleeping quarters	0.18

<b>Building Specific Space-by-Space Types<sup>a</sup></b>	
<b>Building Specific Space-by-Space Types</b>	<b>LPD<sup>d</sup> (w/ft<sup>2</sup>)</b>
Engine rooms	0.45
Gymnasium/fitness center	
In an exercise area	0.58
In a playing area	0.96
Health care facility	
In an exam/treatment room	1.33
In an imaging room	1.06
In a medical supply room	0.59
In a nursery	0.70
In a nurse's station	0.57
In an operating room	1.51
In a patient room	0.50
In a physical therapy room	0.73
In a recovery room	0.92
Library <sup>f</sup>	
In a reading area	0.74
In the stacks	1.37
Manufacturing facility	
In a detailed manufacturing area	1.03
In an equipment room	0.59
In an extra high bay area (greater than 50-foot floor-to-ceiling height)	0.84
In a high bay area (25 - 50-foot floor-to-ceiling height)	0.98
In a low bay (< 25-foot floor-to-ceiling height)	0.95
Museum	
In a general exhibition area	0.84
In a restoration room	0.82
Performing arts theater dressing/fitting room	0.32
Post office - Sorting area	0.75
Religious buildings	
In a fellowship hall	0.51
In a worship/pulpit/choir area	1.22
Retail facilities	
In a dressing/fitting room	0.57
In a mall concourse	0.88
Sports arena - Playing area	
For a Class 1 facility	2.41
For a Class 2 facility	1.54
For a Class 3 facility	0.96
For a Class 4 facility	0.58

<b>Building Specific Space-by-Space Types<sup>a</sup></b>	
<b>Building Specific Space-by-Space Types</b>	<b>LPD<sup>d</sup> (w/ft<sup>2</sup>)</b>
Transportation	
In a baggage/carousel area	0.42
In an airport concourse	0.29
At a terminal ticket counter	0.64
Warehouse - Storage area	
For medium to bulky palletized items	0.46
For smaller, hand-carried items	0.76

For SI: 1 foot = 304.8 mm, 1 watt per square foot = 11 W/m<sup>2</sup>.

- a In cases where both a common space type and a building area specific space type are listed, the building area specific space type shall apply.
- b A "Facility for the Visually Impaired" is a facility that is licensed or will be licensed by local or state authorities for senior long-term care, adult daycare, senior support or people with special visual needs.
- c For spaces in which lighting is specified to be installed in addition to, and controlled separately from, the general lighting for the purpose of highlighting art or exhibits, provided that the additional lighting power shall not exceed 0.5 W/ft<sup>2</sup> of such spaces.
- d The watts per square foot may be increased by 2 percent per foot of ceiling height above 20 feet, unless specifically directed otherwise by subsequent footnotes.
- e Footnote d may not be used for these occupancy types.
- f The watts per square foot may be increased by 2 percent per foot of ceiling height above 9 feet. Footnote d may not be used for these occupancy types.

[Statutory Authority: RCW 19.27A.025, 19.27A.160, and 19.27.074. WSR 16-03-072, § 51-11C-405054, filed 1/19/16, effective 7/1/16. Statutory Authority: RCW 19.27A.020, 19.27A.025 and chapters 19.27 and 34.05 RCW. WSR 13-04-056, § 51-11C-405054, filed 2/1/13, effective 7/1/13.]