

Table 9.6.1
LIGHTING POWER DENSITIES (USING THE SPACE BY SPACE METHOD)

Common Space Types*	Maximum watts / sq.ft.
Office-enclosed	1.1
Office-open plan	1.1
Conference / meeting / multipurpose	1.3
Classroom / lecture / training	1.4
for penitentiary	1.3
Lobby	1.3
for hotel	1.1
for performing arts theater	3.3
for motion picture theater	1.1
Audiences / seating area	0.9
for gymnasium	0.4
for exercise center	0.3
for convention center	0.7
for penitentiary	0.7
for religious buildings	1.7
for sports arena	0.4
for performing arts theater	2.6
for motion picture theater	1.2
for transportation	0.5
Atrium-first three floors	0.6
Atrium-each additional floor	0.2
Lounge / recreation	1.2
for hospital	0.8
Dining area	0.9
for penitentiary	1.3
for hotel	1.3
for motel	1.2
for bar lounge / leisure dining	1.4
for family dining	2.1
Food preparation	1.2
Laboratory	1.4
Restrooms	0.9
Dressing / locker / fitting room	0.6

Corridor / transition	0.5
for hospital	1.0
for manufacturing facility	0.5
Stairs-active	0.6
Active storage	0.8
for hospital	0.9
Inactive storage	0.3
for museum	0.8
Electrical / mechanical	1.5
Workshop	1.9

Building-Specific Space Types	Maximum watts / sq.ft.
Gymnasium / exercise center	
playing area	1.4
exercise area	0.9
Courthouse / police station / penitentiary	
courtroom	1.9
confinement cells	0.9
judges chambers	1.3
Fire stations	
engine room	0.8
sleeping quarters	0.3
Post office-sorting area	1.2
Convention center-exhibit space	1.3
Library	
card file and cataloging	1.1
stacks	1.7
reading area	1.2
Hospital	
emergency	2.7
recovery	0.8
nurse's station	1.0
exam/treatment	1.5
pharmacy	1.2
patient room	0.7
operating room	2.2
<i>Hospital continued below</i>	

Hospital (continued)	
nursery	0.6
medical supply	1.4
physical therapy	0.9
radiology	0.4
laundry-washing	0.6
Automotive-service / repair	0.7
Manufacturing	
low bay (<25 ft floor to ceiling height)	1.2
high bay (\geq 25 ft floor to ceiling height)	1.7
detailed manufacturing	2.1
equipment room	1.2
control room	0.5
Hotel / motel guest rooms	1.1
Dormitory-living quarters	1.1
Museum	
general exhibition	1.0
restoration	1.7
Bank / Office-banking activity area	1.5
Religious buildings	
worship pulpit, choir	2.4
fellowship hall	0.9
Retail	
sales area	1.7
mall concourse	1.7
Sports arena	
ring sports area	2.7
court sports area	2.3
indoor playing field area	1.4
Warehouse	
fine material storage	1.4
Medium / bulky material storage	0.9
Parking Garage-garage area	0.2
Transportation	
Airport-Concourse	0.6
Air / Train /Bus-baggage area	1.0
Terminal-ticket counter	1.5

**In cases where both general building area and specific building area type are listed, the specific building type shall apply.
Source: ASHRAE/IESNA Standard 90.1-2007 - "Energy Standard for Buildings Except Low-Rise Residential Buildings"*