

2015 IECC Lighting Power Densities

INTERIOR LIGHTING POWER ALLOWANCES: SPACE-BY-SPACE METHOD

Common Space Types ^a	LPD (watts/sq.ft)
Atrium	
... that is < 20' in height	0.03 per foot in total height
... that is ≥ 20' and ≤ 40' in height	0.03 per foot in total height
... that is > 40' in height	0.40 + 0.02 per foot in total height
Audience Seating Area	
... in an auditorium	0.63
... in a convention center	0.82
... in a gymnasium	0.65
... in a motion picture theater	1.14
... in a penitentiary	0.28
... in a performing arts theater	2.43
... in a religious building	1.53
... in a sports arena	0.43
... otherwise	0.43
Banking Activity Area	1.01
Breakroom (See Lounge/Breakroom)	
Classroom/Lecture Hall/Training Room	
... in a penitentiary	1.34
... otherwise	1.24
Conference/Meeting/Multipurpose Room	1.23
Confinement Cells	0.81
Copy/Print Room	0.72
Corridor^b	
... in a Facility for the Visually Impaired (and not used primarily by the staff) ^c	0.92
... in a hospital	0.79
... in a manufacturing facility	0.41
... otherwise	0.66
Courtroom	1.72
Computer Room	1.71
Dining Area	
... in a penitentiary	0.96
... in a Facility for the Visually Impaired (and not used primarily by the staff) ^c	1.9
... in Bar/Lounge or Leisure Dining	1.07
... in Cafeteria or Fast Food Dining	0.65
... in Family Dining	0.89
... otherwise	0.65
Electrical/Mechanical Room	0.42
Emergency Vehicle Garage	0.56
Food Preparation Area	1.21
Guest Room	0.47
Laboratory	
... in or as a classroom	1.43
... otherwise	1.81
Laundry/Washing Area	0.6
Loading Dock, Interior	0.47
Lobby	

... in a Facility for the Visually Impaired (and not used primarily by the staff) ^c	1.8
... for an elevator	0.64
... in a hotel	1.06
... in a motion picture theater	0.59
... in a performing arts theater	2
... otherwise	0.9
Locker Room	0.75
Lounge/Breakroom	
... in a healthcare facility	0.92
... otherwise	0.73
Office	
... enclosed and ≤ 250 sq.ft	1.11
... enclosed and > 250 sq.ft	1.11
... open plan	0.98
Parking Area, Interior	0.19
Pharmacy Area	1.68
Restroom	
... in a Facility for the Visually Impaired (and not used primarily by the staffs) ^c	1.21
... otherwise	0.98
Sales Area	1.59
Seating Area, General	0.54
Stairway	See space containing stairway
Stairwell	0.69
Storage Room	
... < 50 sq.ft	0.63
... ≥ 50 sq.ft and ≤ 1,000 sq.ft	0.63
... otherwise	0.63
Vehicular Maintenance Area	0.67
Workshop	1.59
Building Type Specific Space Types^a	LPD (watts/sq.ft)
Facility for the Visually Impaired^c	
... in a chapel (and not used primarily by the staff)	2.21
... in a recreation room (and not used primarily by the staff)	2.41
Automotive (See Vehicular Maintenance Area above)	
Convention Center - Exhibit Space	1.45
Dormitory - Living Quarters	0.38
Fire Station - Sleeping Quarters	0.22
Gymnasium/Fitness Center	
... in an Exercise Area	0.72
... in a Playing Area	1.2
Healthcare Facility	
... in an Exam/Treatment Room	1.66
... in an Imaging Room	1.51
... in a Medical Supply Room	0.74
... in a Nursery	0.88
... in a Nurse's Station	0.71
... in an Operating Room	2.48
... in a Patient Room	0.62
... in a Physical Therapy Room	0.91
... in a Recovery Room	1.15
Library	
... in a Reading Area	1.06
... in the Stacks	1.71

Manufacturing Facility	
... in a detailed manufacturing area	1.29
... in an Equipment Room	0.74
... in an Extra High Bay Area	1.05
(> 50' floor-to-ceiling height)	
... in a High Bay Area	1.23
(25-50' floor-to-ceiling height)	
... in a Low Bay Area	1.19
(< 25' floor-to-ceiling height)	
Museum	
... in a General Exhibition Area	1.05
... in a Restoration Room	1.02
Performing Arts Theater - Dressing Room	0.61
Post Office - Sorting Area	0.94
Religious Buildings	
... in a Fellowship Hall	0.64
... in a Worship/Pulpit/Choir Area	1.53
Retail Facilities	
... in a Dressing/Fitting Room	0.71
... in a Mall Concourse	1.1
Sports Arena - Playing Area	
... for a Class I facility	3.68
... for a Class II facility	2.4
... for a Class III facility	1.8
... for a Class IV facility	1.2
Transportation Facility	
... in a baggage/carousel Area	0.53
... in an Airport Concourse	0.36
... at a Terminal Ticket Counter	0.8
Warehouse - Storage Area	
...for medium to bulky, palletized items	0.58
... for smaller, hand-carried items	0.95