

ILLUMINATION RECOMMENDATIONS—INDOOR

The values shown below are from *IESNA LIGHTING HANDBOOK*. These are the upper level recommended from a range of values based on task economics and viewer age. Lower values may be acceptable depending on the actual task and objects involved. All values are presumed to be average, mean over time, on a horizontal plane.

GENERAL APPLICATION	AVG. MAINTAINED Fc†
AIRCRAFT MAINTENANCE	
System repair without inspection	75
AIRCRAFT ASSEMBLY	
General Area	100
ARMORIES	20
ASSEMBLY, GENERAL	
Simple	50
Moderately Difficult	100
Difficult	200
AUDITORIUMS	
Social activity	10
Assembly	20
AUTO MANUFACTURING	
Frame assembly	50
Engine and parts fabrication and assembly	75
Machining	75
Final assembly	100
BAKING	50
BREWING	50
CANNING	
Raw grading	50
Sorting	100
Canning	100
CLAY AND CONCRETE	
Grind, fill, kiln	20
Molding, press	50
Rough glazing	100
Fine glazing	200
CLOTHING MANUFACTURING	
Measure, stitch	50
Patterns, trim	100
Pressing	200
Sewing, cutting	300
ELECTRICAL EQUIPMENT	
Impregnating	50
Insulating, coil winding	100
EXHIBITION HALLS	20
EXPLOSIVES MANUFACTURING	50
FORGE SHOPS	100
FOUNDRIES	
Cupola	20
Annealing, cleaning, shakeout	50
Medium core making	100
Large molding	100
Pouring, sorting	100
Fine core making, medium molding	200
Grinding and chipping	200

GENERAL APPLICATION	AVG. MAINTAINED Fc†
GARAGES, PARKING	
All areas night	5
General parking	5
Ramps and corners	10
Entrances	50
GLASS MANUFACTURING	
Mix, furnace, lehr, pressing, blowing	20
Grind, cut, silvering	50
Beveling, polishing, fine grinding	100
IRON AND STEEL MANUFACTURING	
Hot Mill General Lighting:	
Mold yard	5
Other general lighting	10
Charge and pour	20
Stripping	20
Mixer building	30
Repair	30
Rolling Mill General:	30
Motor and machine room	30
Other general lighting	30
Pipe, rod and tube	50
Tin plate	50
LOCKER ROOMS	20
MACHINE SHOPS	
Rough	50
Medium	100
Fine	200
MATERIAL HANDLING	50
MEAT PACKING, GENERAL	50
MERCHANDISING, GENERAL	
Low activity	30
Stock rooms	50
Medium activity	75
High activity	100
PAINTING, GENERAL	50
PAINT MANUFACTURING, GENERAL	50
PAPER MANUFACTURING	
Beating, grinding, calendaring	50
Finish, cutting, trimming	100
Machine wet end, reeling	200
PETROCHEMICAL	
Outdoor process	5
Compressor house	20
Extrude and mix	20
Control house	30
Central control	50
PLATING	50

GENERAL APPLICATION	AVG. MAINTAINED Fc†
POWER GENERATION PLANTS:	
Air and fan floor	10
Boiler platform	10
Coal handling	10
Condenser, evaporator	10
De-aerator, heater floors	10
Precipitators	10
Steam headers, throttles	10
Tunnels, galleries	10
Auxiliary compressor	20
Burner platform	20
Coal pulverizing	20
Screen house	20
Soot, slag blower	20
Turbine, op floor	50
Turbine building	50
Water treat	50
PRINTING	
Photogravure, etching, blocking	50
Composing room	100
Presses	100
Color inspection and appraisal	200
REPAIR GARAGES	
Active traffic	20
Write-up	50
Repair, general	100
RUBBER PRODUCTION, TIRES	
Curing, cutting, calendar, banbury	30
Tire and bead building	50
Cutting, inspection	100
SHEET METAL FABRICATION	100
STRUCTURAL FABRICATION	100
TEXTILES	
Dyeing, tinting	50
Yarn manufacturing	50
Yarn preparation	100
Fabric finish	100
Fabric production	200
WAREHOUSING	
Inactive	10
Active, large products	20
Active, small products	50
WELDING, GENERAL	50
WOODWORKING, GENERAL	50
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All values are considered to be footcandles maintained and are in terms of "horizontal plane" unless otherwise indicated or obvious. To convert footcandles to lux, multiply footcandles by 10.76.	