

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 Moderately Difficult Difficult	50 100 200
AUDITORIUMS Social activity Assembly	10 20
AUTO MANUFACTURING Frame assembly Engine and parts fabrication and assembly Machining Final assembly	50 75 75 100
BAKING	50
BREWING	50
CANNING Raw grading Sorting Canning	50 100 100
CLAY AND CONCRETE Grind, filt, kiln Molding, press Rough glazing Fine glazing	20 50 100 200
CLOTHING MANUFACTURING Measure, stitch Patterns, trim Pressing Sewing, cutting	50 100 200 500
ELECTRICAL EQUIPMENT Impregnating Insulating, coil winding	50 100
EXHIBITION HALLS	20
EXPLOSIVES MANUFACTURING	50
FORGE SHOPS	100
FOUNDRIES Cupola Annealing, cleaning, shakeout Medium core making Large molding Pouring, sorting Fine core making, medium molding Grinding and chipping	20 50 100 100 100 200 200

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

GENERAL APPLICATION	AVG. MAINTAINED FC†
POWER GENERATION PLANTS Air and fan floor Boiler platform Coal handling Condenser, evaporator De-aerator, heater floors Precipitators Steam headers, throttles Tunnels, galleries Auxiliary compressor Burner platform Coal pulverizing Screen house Soot, slag blower Turbine,-op floor Turbine building Water treat	10 10 10 10 10 10 10 10 20 20 20 20 20 50 50 50
PRINTING Photoengraving, etching, blocking Composing room Presses Color inspection and appraisal	50 100 100 200
REPAIR GARAGES Active traffic Write-up Repair, general	20 50 100
RUBBER PRODUCTION, TIRES Curing, cutting, calendar, banbury Tire and bead building Cutting, inspection	30 50 100
SHEET METAL FABRICATION	100
STRUCTURAL FABRICATION	100
TEXTILES Dyeing, tinting Yarn manufacturing Yarn preparation Fabric finish Fabric production	50 50 100 100 200
WAREHOUSING Inactive Active, large products Active, small products	10 20 50
WELDING, GENERAL	50
WOODWORKING, GENERAL	50
†	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.

