

Recommended Foot Candle Requirements

<p>The following selected footcandle ranges represent the Illuminating Engineer Society's (IES) current illuminance recommendations. Individual applications will determine exact foot-candle levels. Please refer to the IES Lighting Handbook for more detailed evaluation.</p>		
<p>Airplane Manufacturing</p> <p>Drilling, riveting, screw fastening.....75</p> <p>Final assemble, hangar.....100</p> <p>Inspection.....50-200</p> <p>Welding.....50</p> <p>Assembly</p> <p>Rough easy seeing.....20-50</p> <p>Rough difficult seeing.....50-100</p> <p>Medium.....100-200</p> <p>Fine.....200-500(a)</p> <p>Extra fine.....500-1000(a)</p> <p>Auditoriums</p> <p>Social activities.....5-10</p> <p>Assembly only.....10-20</p> <p>Exhibitions.....10-20</p> <p>Automobile Manufacturing</p> <p>Final assembly, finishing, inspecting.....200</p> <p>Body & chassis assembly.....100</p> <p>Body parts manufacturing.....100</p> <p>Frame assembly.....50</p> <p>Banks</p> <p>Lobby general.....10-50</p> <p>Writing areas.....20-70</p> <p>Teller stations, posting & keypunch.....50-150</p> <p>Barber Shops</p> <p>Beauty Parlors.....50-100</p> <p>Chemical Works.....30</p> <p>Clothing Manufacturer</p> <p>Receiving, storing, shipping, winding, measuring.....20-50</p> <p>Pattern making, trimming.....50-100</p> <p>Shops, marking.....50-200</p> <p>Cutting, pressing.....100-500(a)</p> <p>Sewing, inspection.....200-500(a)</p> <p>Electrical Equipment Manufacturing</p> <p>Impregnating.....20-50</p> <p>Insulating coil winding, testing.....50-100</p> <p>Food Service Facilities</p> <p>Dining areas</p> <p>Cashier.....20-50</p> <p>Cleaning.....10-20</p> <p>Dining.....5-20</p> <p>Food displays.....30-100</p> <p>Kitchen.....50-100</p> <p>Foundries</p> <p>Annealing furnaces.....20-50</p> <p>Cleaning.....20-50</p> <p>Core making.....50-200</p> <p>Inspection</p> <p>Fine.....100-500</p> <p>Medium.....50-100</p> <p>Molding.....50-200</p> <p>Pouring, sorting.....50-100</p>	<p>Garages-Motor Vehicles</p> <p>Storage.....5</p> <p>Traffic Lanes</p> <p>Parking garage.....10</p> <p>Service garage.....10-20</p> <p>Entrances.....50</p> <p>Repair area.....50-100</p> <p>Gymnasiums</p> <p>Assemblies.....10</p> <p>General exercise & recreation.....30</p> <p>Exhibitions, matches.....50</p> <p>Hospitals</p> <p>Rooms.....10-30</p> <p>Corridors.....5-30</p> <p>Emergency rooms.....50-100</p> <p>Operating rooms.....100-200</p> <p>Hotels</p> <p>Bathrooms.....20-50</p> <p>Bedrooms for reading.....20-50</p> <p>Corridors, elevators and stairs.....10-20</p> <p>Front desk.....50-100</p> <p>Linen room</p> <p>Sewing.....100-200</p> <p>General.....10-20</p> <p>Lobby</p> <p>General lighting.....10-20</p> <p>Reading and working areas.....20-50</p> <p>Iron & Steel Manufacturing</p> <p>Stock, hot top, checker</p> <p>cellar, calcining.....10-30</p> <p>Building, slag pits, stripping yard.....20</p> <p>Control platforms, repairs,</p> <p>mixer building.....30</p> <p>Rolling mills.....30-50</p> <p>Shearing.....50</p> <p>Tin plate.....50</p> <p>Motor room, machine room.....30</p> <p>Inspection.....100</p> <p>Laundries</p> <p>Washing.....20-50</p> <p>Ironing.....20-100</p> <p>Library</p> <p>Ordinary reading, stacks.....20-50</p> <p>Book repair and binding.....20-50</p> <p>Study & notes, cataloging, card files, check desk.....20-100</p> <p>Machine Shops</p> <p>Rough bench.....20-50</p> <p>Medium bench, rough grinding, buffing.....50-100</p> <p>Fine bench and work.....200-500(a)</p> <p>Materials Handling</p> <p>Loading trucking.....10-20</p> <p>Picking stock classifying.....20-50</p> <p>Wrapping, packing, labeling.....20-50</p> <p>Offices</p> <p>Accounting.....50-100</p> <p>Audio-visual areas.....20-50</p> <p>Conference areas.....20-70</p> <p>Corridors, stairways.....20(k)</p> <p>Drafting.....50-200</p> <p>General and private offices.....50-100</p> <p>Lobbies, lounges and reception areas.....0-20</p>	<p>Mail sorting.....50-100</p> <p>Off-set printing and duplicating area.....20-50</p> <p>Spaces with VDT's.....75</p> <p>Paint Shop</p> <p>Spraying, rubbing, hand art, stencil.....20-50</p> <p>Fine hand painting & finishing.....50-100</p> <p>Paper Manufacturing</p> <p>Beaters, grinding.....20-50</p> <p>Finishing, cutting.....50-100</p> <p>Hand cutting.....50-100</p> <p>Paper machine reel, inspection.....100-200</p> <p>Rewinder.....100-200</p> <p>Printing</p> <p>Photo engraving, etching, blocking.....20-50</p> <p>Color inspecting.....100-200</p> <p>Presses.....50-100</p> <p>Proofreading.....100-200</p> <p>Composing room.....50-100</p> <p>Schools</p> <p>Reading.....20-100</p> <p>Typing.....20-100</p> <p>Demonstrations.....100-200</p> <p>Sewing.....20-100</p> <p>Sheet Metal Works</p> <p>General.....100</p> <p>Tin plate inspection, galvanized, scribing.....100-200</p> <p>Stores</p> <p>Circulation area stockroom.....10-30</p> <p>Merchandising, serviced.....30-100</p> <p>Merchandising, self-service.....200</p> <p>Textile Mills</p> <p>Cotton picking, carding, roving, spinning.....50</p> <p>Beaming & slashing.....150</p> <p>Drawing.....200</p> <p>Others.....100</p> <p>Warehousing, Storage</p> <p>Inactive.....5-10</p> <p>Active</p> <p>Rough bulky.....10-20</p> <p>Medium.....20</p> <p>Fine.....20-50</p> <p>Welding</p> <p>General.....20-50</p> <p>Woodworking</p> <p>Rough sawing and bench work.....20-50</p> <p>Sizing, planing, rough sanding, medium quality machine and bench work, gluing, veneering, cooperage.....20-50</p> <p>Fine bench and machine work, fine sanding and finishing.....50-100</p> <p>Footnotes:</p> <p>(a) Obtained with a combination of general light plus specialized supplementary lighting</p> <p>(k) Or not less than 1/5 the level in adjacent areas</p>