

	Currently Recommended Illumination* Footcandles		Currently Recommended Illumination* Footcandles
longed seeing such as conferring, interview- ing, inactive files, and washrooms	30	PLATING	30
Corridors, elevators, escalators, stairways . . .	20 (or not less than 1/2 level in adja- cent areas)	POLISHING AND BURNISHING	100
PACKING AND BOXING (see MATERIALS HANDLING)		PRINTING INDUSTRIES	
PAINT MANUFACTURING		Type foundries	
General	30	Matrix making, dressing type	100
Comparing mix and standard	200†	Font assembly-sorting	50
PAINT SHOPS		Hand casting	50
Dipping, simple spraying, firing	50	Machine casting	50
Rubbing, ordinary hand painting and finishing art, stencil and special spraying	50	Printing plants	
Fine hand painting and finishing	100	Color inspection and appraisal	200**
Extra fine hand painting and finishing (auto- mobile bodies, piano cases, etc.)	300**	Machine composition	100
PAPER BOX MANUFACTURING		Composing room	100
General manufacturing area	50	Presses	70
PAPER MANUFACTURING		Imposing stones	150
Beaters, grinding, calendaring	30	Proof reading	150
Finishing, cutting, trimming, paper-making ma- chines	50	Electrotyping	
Hand counting, wet end of paper machine	70	Molding, finishing, leveling molds, routing, trimming	100
Paper machine reel, paper inspection and labo- ratories	100	Blocking, tinning	50
Rewinder	150	Electroplating, washing, backing	50
		Photoengraving	
		Etching, staging	50
		Blocking	50
		Routing, finishing, proofing	100
		Tint laying	100
		Masking	100

*Minimum on the task at any time

**Obtained with a combination of general lighting plus specialized supplementary lighting. Care should be taken to keep within the recommended brightness ratios. These seeing tasks generally involve the discrimination of fine detail for long periods of time and under conditions of poor contrast. The design and installation of the combination system must provide not only a sufficient amount of light, but also the proper direction of light, diffusion, and eye protection. As far as possible, it should eliminate direct and reflected glare as well as objectionable shadows.

†The specular surface of the material may necessitate special consideration in selection and placement of lighting equipment, or orientation of the work.

‡Special lighting such that (1) the luminous area be large enough to cover the surface which is being inspected and (2) the brightness be within the limits necessary to obtain comfortable contrast conditions. This involves the use of sources of large area and relatively low brightness in which the source brightness is the principal factor rather than the footcandles produced at a given point.