



II. INDUSTRIAL LOCATIONS AND TASKS^(a)

Very Important
 Important
 Somewhat important
 Blank = Not important or not applicable

Design Issues	Appearance of Space and Luminaires	Color Appearance (and Color Contrast)	Daylighting Integration and Control	Direct Glare	Flicker (and Strobe)	Intrinsic Material Characteristics	Light Distribution on Surfaces	Light Distribution on Task Plane (Uniformity)	Luminances of Room Surfaces	Modeling of Faces or Objects	Reflected Glare	Shadows	Source/Task/Eye Geometry	Special Considerations	Notes on Special Considerations	Illuminance on Task Plane ^(b)	Category or Value (lux)	Notes — see end of section	Reference Chapter(s)
Basic Industrial Tasks																			
Raw material processing (cleaning, cutting, crushing, sorting, grading)																			
Coarse																	C		
Medium																	D		
Fine																	E		
Very fine																	F		
Materials handling																			
Wrapping, packing, and labeling																	D		
Picking stock, classifying																	D		
Loading, inside trucks and freight cars																	C		
Component manufacturing																			
Large																	D		
Medium																	E		
Fine																	F		
Machining																			
Rough bench or machine work																	D		
Medium bench or machine work (ordinary automatic machines, rough grinding, medium buffing, and polishing)																	E		
Fine bench or machine work (fine automatic machines, medium grinding, fine buffing, and polishing)																	G		





Extra-fine bench or machine work
(fine grinding)



G





II. INDUSTRIAL LOCATIONS AND TASKS^{e1}

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Design Issues

Appearance of Space and Luminaires
 Color Appearance (and Color Contrast)
 Daylighting Integration and Control
 Direct Glare
 Flicker (and Strobe)
 Intrinsic Material Characteristics
 Light Distribution on Surfaces
 Light Distribution on Task Plane (Uniformity)
 Luminances of Room Surfaces
 Modeling of Faces or Objects
 Reflected Glare
 Shadows
 Source/Task/Eye Geometry

Special Considerations

Notes on Special Considerations

Illuminance on Task Plane^(b)

Category or Value (lux)

Notes — see end of section

Reference Chapter(s)

Assembly
 Simple
 Difficult
 Exacting
 Warehousing and storage
 Inactive
 Active: bulky items; large labels
 Active: small items; small labels
 Inspection
 Simple
 Difficult
 Exacting
 Service spaces
 Stairways, corridors
 Elevators, freight and passenger
 Toilets and wash rooms
 Shipping and receiving
 Maintenance
 Motor and equipment observation
 Control panel and VDT observation
 Welding
 Orientation
 Precision manual arc-welding
 (Inspection of work after



D
 F
 G
 B
 C
 D
 D
 F
 G
 B
 B
 C
 D
 E
 D
 C
 D
 G





| completion of weld)





Notes:

- (a) For details on specific tasks or spaces refer to Chapter 19, Industrial Lighting.
- (b) The task may be horizontal, inclined, or vertical.

