

## Power stations

	Maintained illuminance (lux)	Limiting glare rating	Minimum colour rendering ( $R_a$ )	Notes
Fuel supply plant	50	–	20	1
Boiler house	100	28	40	1
Machine halls	200	25	80	2, 3
Side rooms, e.g. pump rooms, condenser rooms etc., switchboards (inside buildings)	200	25	60	4
Control rooms	500	16	80	5
Outdoor switch gear	20	–	20	1

### Notes:

1. Safety colours should be recognisable.
2. If high-bay lighting is used the colour rendering requirement may be relaxed, provided that measures are taken to ensure lighting with higher colour rendering is provided at continually occupied work stations.
3. Additional local lighting of instruments and inspection points may be required.
4. In areas such as ash handling plants, settling pits and battery rooms there may be corrosive and hazardous atmospheres.
5. Control panels are often vertical and dimming may be required. VDTs may be used. It may be necessary to use luminaires with limited luminance at high angles.

Illuminance values may be varied to suit circumstances; see section 2.3.2, Illuminance.

## Printers

	Maintained illuminance (lux)	Limiting glare rating	Minimum colour rendering ( $R_a$ )	Notes
Cutting, gilding, embossing, block engraving, work on stones and platens, printing machines, matrix making	500	19	80	
Paper sorting and hand printing	500	19	80	
Type setting, retouching, lithography	1000	19	80	1, 2
Colour inspection in multicoloured printing	1500	16	90	3
Steel and copper engraving	2000	16	80	4

### Notes:

1. Large area, low-luminance luminaires are desirable.
2. Local lighting may be appropriate.
3. Colour temperature of the light should be greater than 4000 K.
4. Directional lighting may help to reveal details in the task.

Illuminance values may be varied to suit circumstances; see section 2.3.2, Illuminance.