

Store rooms, cold stores

| | Maintained illuminance (lux) | Limiting glare rating | Minimum colour rendering (R_a) | Notes |
|--|------------------------------|-----------------------|------------------------------------|-------|
| Store and stockrooms | 100 | 25 | 60 | 1, 2 |
| Dispatch packing handling areas | 300 | 25 | 60 | |
| Automatic high rack stores – unmanned gangways | 20 | – | 40 | 3, 4 |
| Automatic high rack stores – manned gangways | 150 | 22 | 60 | 4 |
| Automatic high rack stores – control stations | 150 | 22 | 60 | 5 |

Notes:

1. 200 lux if continuously occupied.
2. If small items that are visually difficult to identify are stored, then 300 lux and supplementary local lighting may be needed.
3. Supplementary lighting may be required for maintenance.
4. Illuminance at floor level.
5. Avoid glare to operator, local lighting should be considered.

Note that in cold stores the light source should be chosen to be adequate for reliable starting at -30°C . Illuminance values may be varied to suit circumstances; see section 2.3.2, Illuminance.

Textile manufacture and processing

| | Maintained illuminance (lux) | Limiting glare rating | Minimum colour rendering (R_a) | Notes |
|--|------------------------------|-----------------------|------------------------------------|-------|
| Work places and zones in baths, bale opening | 200 | 25 | 60 | |
| Carding, washing, ironing, devilling, machine work, drawing, combing, sizing, card cutting, pre-spinning, jute and hemp spinning | 300 | 22 | 80 | |
| Spinning, plying, reeling, winding | 500 | 22 | 80 | 1 |
| Warping, weaving, braiding, knitting | 500 | 22 | 80 | 1 |
| Sewing, fine knitting, taking up stitches | 750 | 22 | 80 | |
| Manual design, drawing patterns | 750 | 22 | 90 | 2 |
| Finishing, dyeing | 500 | 22 | 80 | |
| Drying room | 100 | 28 | 60 | |
| Automatic fabric printing | 500 | 25 | 80 | |
| Burling, picking, trimming | 1000 | 19 | 80 | |
| Colour inspection; fabric control | 1000 | 16 | 90 | 2 |
| Invisible mending | 1500 | 19 | 90 | 2 |
| Hat manufacture | 500 | 22 | 80 | |

Notes:

1. Care should be taken to minimise stroboscopic effects on rotating machinery.
2. Colour temperature of the light should be greater than 4000 K.

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