

- performance
  - standards 104
  - verification 270–277
  - visual 32–34
- perimeter fences 248, 250–251
- petrochemical industries 240–241
- phosphor coatings 61
- photochemical adaptation 25
- photo-electric controls 115, 127–128, 256
- photoluminescence *see* luminescent light sources
- photometric testing 155
- photometry 3–6, 272–277
- photopic vision 2, 3, 14, 25, 121
- plant rooms 164, 167, 182
- plastics 85, 91, 279
- plenum exhaust systems 91–92
- 'ply-glass' tube 70
- polycrystalline alumina (PCA) 72
- post top luminaires 98–99
- power demand 77, 120
  - see also* energy consumption
- power factor 77–78
- power ranges, lamp types 80–81
- presence detectors 115, 256
- privacy problems, daylighting 139
- private houses, security lighting 253–254
- protection, luminaire classification 106–107
- public areas 248
  - amenity areas 232–233
  - public parks 248, 253
  - security lighting 248, 252–253
  - see also* pedestrian areas
- radioluminescence 51
- railway sidings and yards 241–242
- reception areas 164, 206, 216
- recycling regulations 94
- reflectance 4–5
  - computer screens 156–157
  - luminaire reflectors 89
  - measurement 276–277
  - units 5–6
  - road surfaces 226–228
  - surface finishes 159–161
- reflectors 86–88
- refractors 88
- relative visual performance (RVP) 34
- residential accommodation 214–219
- restaurants 163, 167
- Restriction of Hazardous Substances Directive (RoHS) 94
- restrike time 79
- retail lighting 191–197
- road lighting 220–235
  - luminaires 98, 106, 228–230
- road surfaces, reflection properties 226–228
- RoHS (Restriction of Hazardous Substances Directive) 94
- rooflights 135–136
- room surface maintenance factor (RSMF) 284–285
- rotating machinery 177
- RSMF (room surface maintenance factor) 284–285
- run-up 65, 78–79, 80–81
- RVP (relative visual performance) 34
- safety
  - hospital lighting 204–205
  - industrial lighting 177
  - quasi-domestic lighting 215
  - standards 100–103
  - see also* electrical safety; emergency lighting; fire protection