**Tandem circuit**
Operation of two → fluorescent lamps switched in series on one → ballast

**Task lighting**
Used generally to describe the illumination of workplaces in accordance with given standards and regulations. Additional lighting of the workplace which goes beyond → general lighting to meet the demands of specific visual tasks

**Thermal radiator**
Radiant source which emits light through the heating of a material. An ideal → Planckian radiator emits a spectrum pursuant to the Planck's Law; in the case of materials used in practice (e.g. tungsten in wire filaments) the spectrum produced differs slightly from this spectral distribution

**Thermoluminescence**
→ Luminescence

**Transformer**
→ Control gear

**Transmission**
Ability of materials to allow light to pass through them. This ability is expressed as a transmission factor, which is defined as the ratio of transmitted luminous flux to the luminous flux falling on a surface

**Tri-phosphor lamp**
→ Fluorescent lamp

**Ultraviolet radiation**
Invisible radiation below short-wave light (wavelength <380 nm). Light sources used for architectural lighting only emit a small portion of ultraviolet radiation. Special light sources designed to produce a higher portion of ultraviolet radiation are used for medical and cosmetic purposes (disinfection, tan effect) and in photochemistry. Ultraviolet radiation can have a damaging effect: colours fade and materials become brittle.

**Utilance**
Utilance is the ratio of the → luminous flux falling on the working plane to the luminous flux emitted by a luminaire. It is the result of the correlation of room geometry, the reflectance of the room surfaces and the luminaire characteristics

**Utilisation factor method**
Method for calculating the average → illuminance of spaces with the aid of the → light output ratio, the → utilance and the lamp lumens

**VDT-approved luminaire**
Luminaires designed for application in offices equipped with visual display terminals

**Visual accuity**
Ability of the eye to perceive details. The unit of measure is the visus, which is defined as the reciprocal value of the size of the smallest detail that can be perceived (usually the position of the opening in the Landolt broken ring) in minutes of arc

**Visual comfort**
Visual comfort is generally understood as the quality of a lighting installation that meets a number of quality criteria. (→ illuminance, → luminance ratios, → colour rendition, → modelling)

**Visual task**
Expression for the perceptual perfomance required of the eye or for the visual qualities of the object to be perceived. The grade of difficulty of a visual task grows with diminishing colour or luminance contrast, and with the diminishing size of details

**Warm white, ww**
→ Luminous colour
Working plane
Standardised plane to which illuminances and luminances are related, usually 0.85 m in the case of workplaces and 0.2 m in circulation zones

**Zoning**
Dividing up of the space into different areas relating to their function

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