

LEDiL

Guide for office lighting optics

V1-0 / 2026



Office lighting in a nutshell

Office lighting impacts much more than visibility – it shapes comfort, wellbeing, safety, and productivity. Smart lighting follows natural rhythms: warm tones calm mornings and evenings, while cool tones energise the day – a core principle of **Human Centric Lighting**.

Offices include various spaces – work areas, public zones, hallways, meeting rooms, kitchens, and relaxation spots –each requiring different lighting. Some spaces follow strict criteria, while others offer more flexibility.

Consider visual performance, comfort, and ambience to create the **right lighting for each office space**. Balance light levels, colour, and direction to support both wellbeing and productivity.

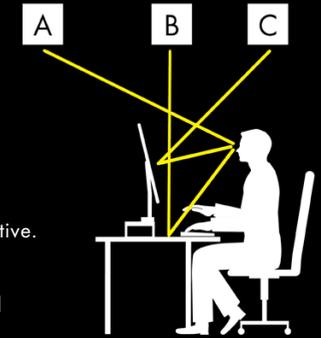


Glare

Glare is visual discomfort caused by overly bright areas in the field of vision – like lit surfaces, luminaires, windows, or ceilings. It should be minimised to prevent fatigue, discomfort, and accidents.

Types of glare

- Direct (A):** Bright lamps – clearly impacts performance; measurable.
- Reflected (B & C):** Light from glossy or specular surfaces; subjective.
- Disability:** Impairs visual performance; measurable.
- Discomfort:** Feels unpleasant, doesn't always affect visual performance; subjective.



UGR Discomfort glare criterion

	13 Barely perceptible	19 Barely acceptable (for average eye tasks)	25 Barely comfortable (for simple eye tasks)
<10 Imperceptible	16 Perceptible (for accurate eye tasks)	22 Unacceptable (for moderate eye tasks)	>28 Uncomfortable

How to reduce glare

Beam
Limit light intensity above potential glare angles

Surface
More uniform surface luminance with same lumen output

Visibility
Shading and shielding

Output
Decrease light output (might require adding more luminaires)

Placement
Avoid glare on task area and increase ambient light

Ambient light
Less contrast ▶ Eyes adapt to brightness more easily



Beautiful
Bright
Light

Premium
Dark
Light



Direct lighting
Recessed or surface mounted



Direct / indirect lighting
Suspended luminaire



Indirect lighting
Suspended luminaire



DIANA

Next-gen microprismatic lens system delivering precise optical control, excellent surface uniformity, and sleek, glare-free design.

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BRIANNA

Beautiful Bright Light family for comfortable office lighting from any angle.

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DAISY

Premium Dark Light family for unobtrusive, discreet lighting designs.

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DARCY

Veratile Dark Light family for superior architectural lighting.

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LIANNA
+ shade

Paired with a shade, the versatile LIANNA offers a low-glare, professional appearance with comfortably low UGR values.

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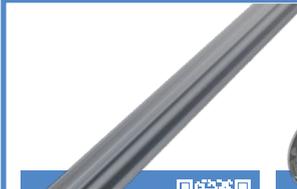
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AMY

Low-profile lens family with wide selection of beams for slim track and downlights.

COBs up to 14.5 mm



LINDA-
UP

Uplighting beam from LINDA linear extrusion lens family.

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ULLA

Uplighting lens family for cylindrical pendant luminaires.

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Task lighting
Track light, downlight or freestanding



Wall-washing
Recessed, surface mounted or cove light



LINA-UP



The ultimate linear uplighting solution – perfectly uniform, easy to install, and engineered for precision.

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DAISY-FT-D



Forward-throw beam from DAISY family for freestanding luminaires.

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YASMEEN



Premium lens family with supreme light quality and look for track lights.

COBs up to 14.5 mm



DAISY-WAS



Wall-washing beam from DAISY family for linear Dark Light luminaires.

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LINDA-ZT25



Wall-washing beam from LINDA family for linear luminaires.

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AMY-WAS



Wall-washing beam from AMY family for downlights.

COBs up to 14.5 mm



BRIANNA-WAS



Wall-washing beam from BRIANNA family for linear Bright Light luminaires.

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Types of fixtures



Downlight



Suspended



Freestanding



Track light



Recessed or
surface mounted

Technical support

- Simulations to show optic performance in real applications
- Guides and tips for installations
- Thermal analysis for luminaire designs

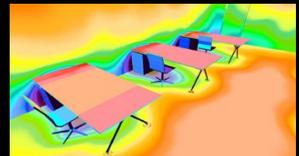
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