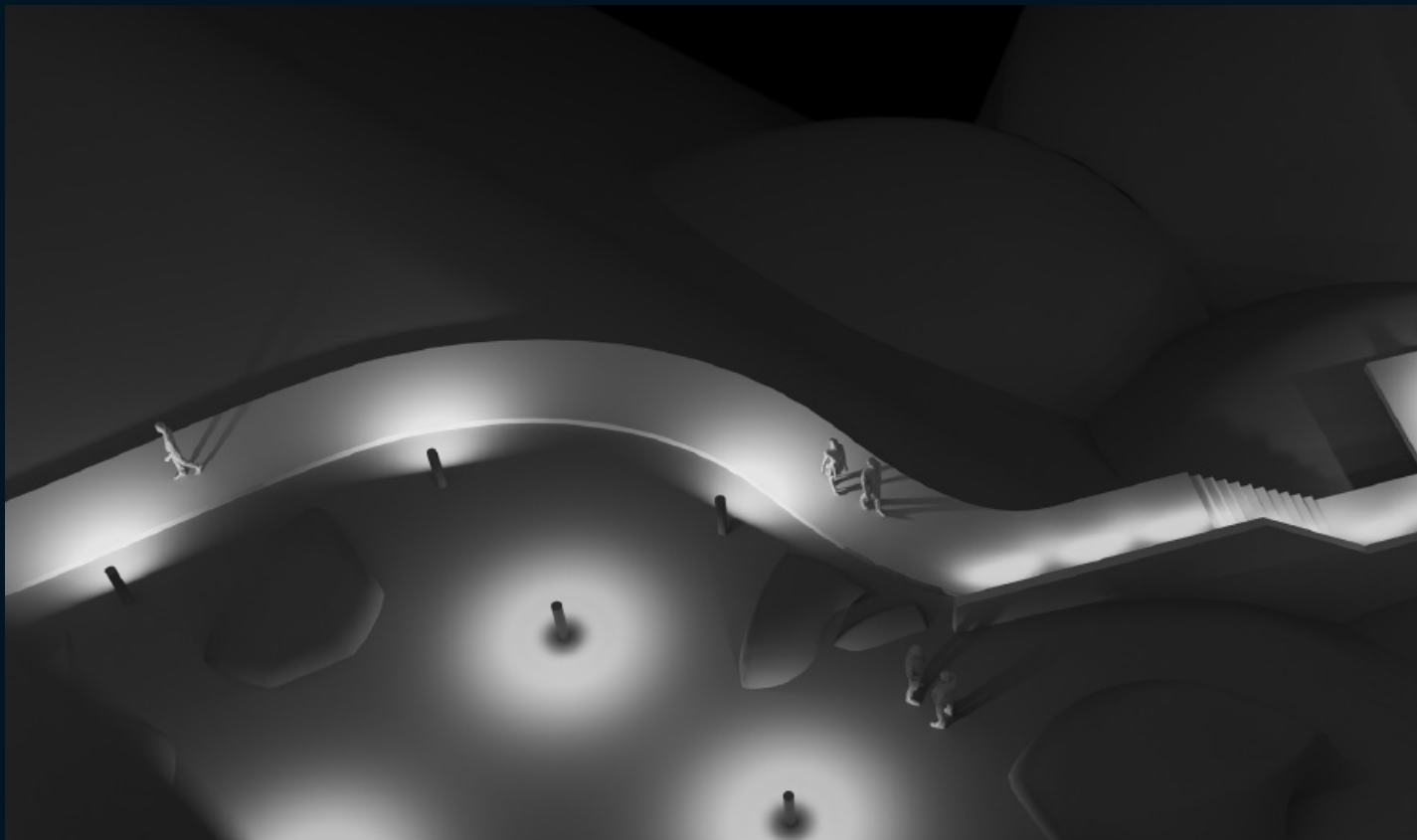




Paths connect places. When dusk falls, light without glare makes paths safe and provides orientation. Successful path lighting is characterised by the fact that it fulfils design tasks as well as functional needs. In this way, paths naturally extend a warm welcome to a museum, office building or hotel. There are various ways to illuminate paths in public spaces or private gardens attractively and efficiently. We give you helpful tips on which luminaires perform these lighting tasks most effectively in outdoor areas.

For more projects, see:
www.erco.com/outdoor-pathways

Lighting paths perfectly

Exciting projects

Light along the luminaire

Midipoll bollard luminaires with grazing light along the luminaire create a subtle eye-catcher and unobtrusively and elegantly provide orientation at the J.H. Abrahams Reserve in Perth.

Lighting design: Lighting Options Australia, Perth.
Photography: Matt Devlin, Perth.



Guiding passers-by

Guide passers-by with light. The very wide light beams of Castor bollard luminaires with 180° light distribution ensure large luminaire spacing along the paths at Sartorius AG, Göttingen.

Architecture: Bünemann & Collegen GmbH, Hannover. Lighting design: Studio DL, Hildesheim.

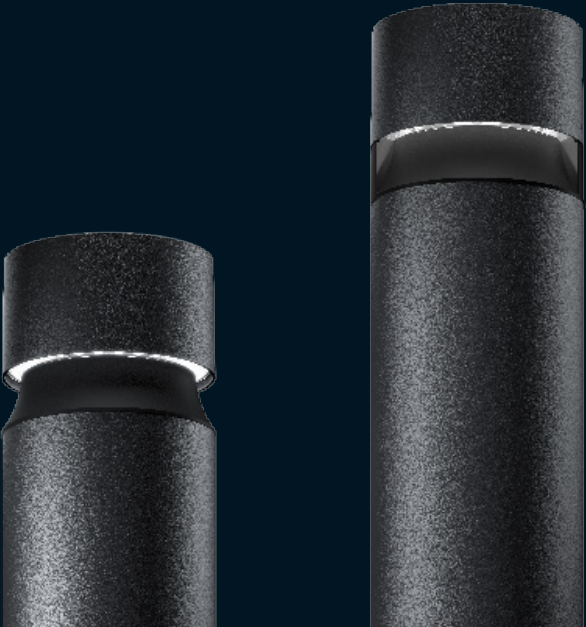


A magical impression of light

The light emission surface of Kubus facade luminaires remains concealed to leave only wide light beams visible on the ground – path lighting creating a magical impression and maximum visual comfort on the Midgardsormen Bridge, Stavanger.

Architecture: Asplan Viak Thorir Helgason and Torunn Tunset.

Lighting design: Lyse Stavanger. Photography: Johan Elm, Stockholm.



Lighting paths perfectly

What you should know

Which luminaire is the right one?

Bollard luminaires are particularly suitable for illuminating footpaths. They can be positioned at the edge of the path and enable elegant guidance. Facade luminaires can be useful for paths close to buildings. They illuminate the path from their mounting positions on walls or buildings. Recessed luminaires and surface-mounted luminaires for outdoor applications are also used for covered walkways.

These light distributions are ideal

For paths, luminaires are available with narrow and wide light distributions. Round bollard luminaires are also available with 180° distribution for paths or 360° distribution for large open areas. For efficient, uniform lighting along paths, we recommend luminaires with wide beam 180° distribution. The large luminaire spacing also has a positive effect on investment costs.

Dark Sky technology

ERCO has perfected Dark Sky technology for its bollard luminaires. Light pollution is prevented because no light is emitted above the horizontal plane. In addition, glare to passers-by and drivers is avoided.

How bright should paths be illuminated?

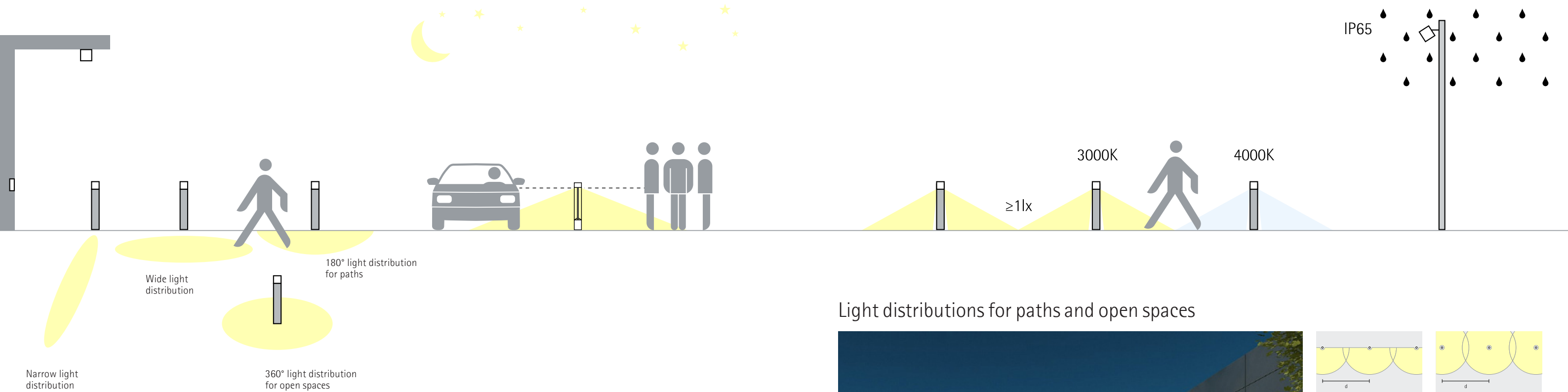
A horizontal illuminance of 0.6 to 5lx is recommended for good path recognition. This reference value corresponds to the EN 13201-1 standard used in Europe. ERCO bollard luminaires are designed to achieve at least 1lx at a luminaire spacing of up to 10 metres. The softly diminishing light beam also ensures that passers-by are not subjected to any unpleasantly harsh brightness contrasts.

Create atmosphere with light colours

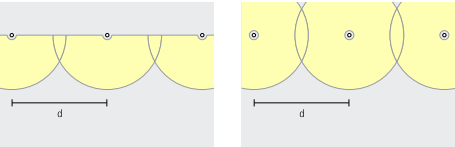
Select a warm light colour, e.g. 2700K to 3500K, if paths have warm material colours such as wood or sandstone you wish to accentuate. A neutral white light colour of 4000K on the other hand is suitable for cool material colours such as grey granite.

Design with weather resistant luminaires

Luminaires in public spaces or private gardens need to withstand wind and adverse weather. A high protection rating is therefore needed. All ERCO luminaires for outdoor use have at least an IP65 protection rating. This means they are dustproof and protected against jets of water from all directions.



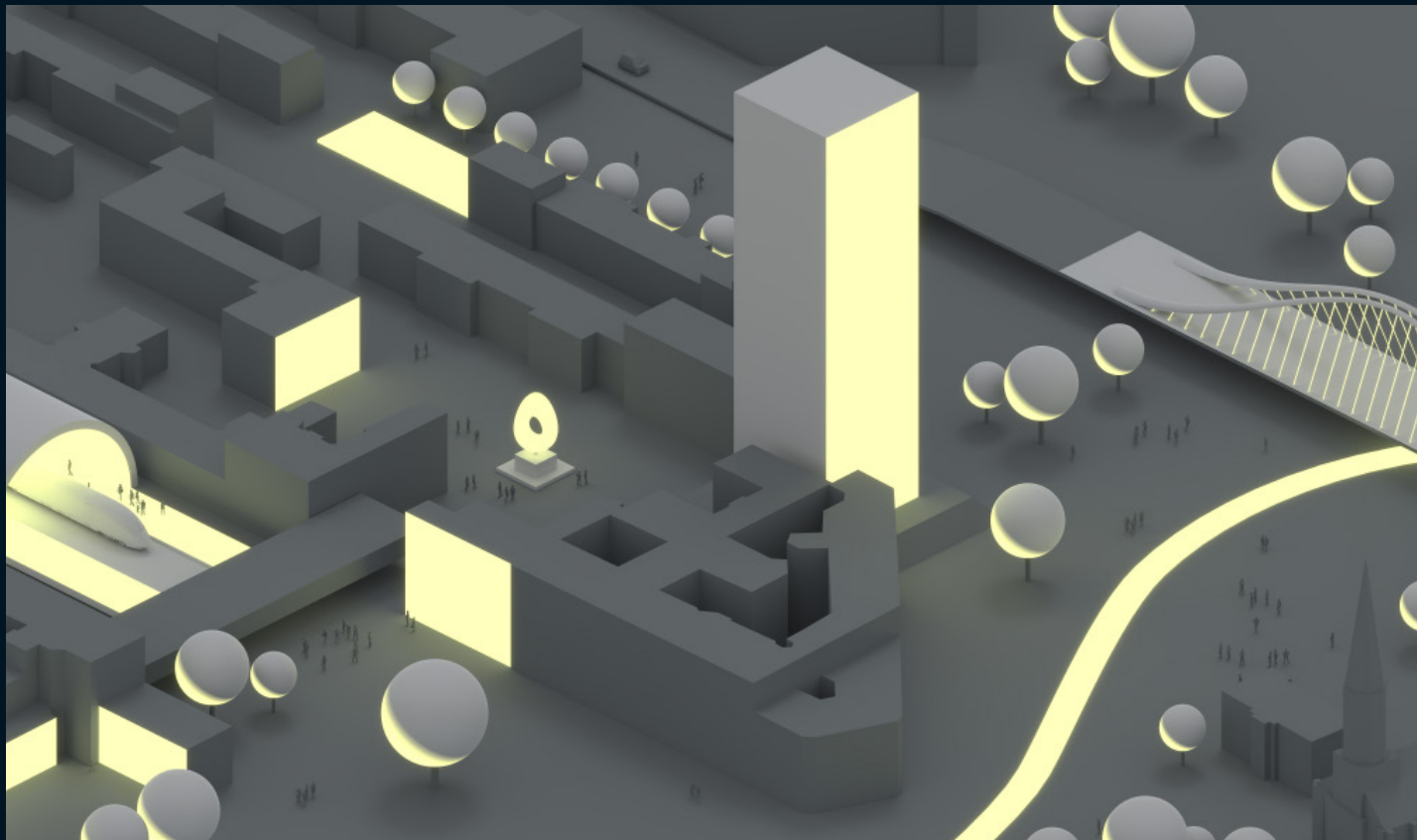
Light distributions for paths and open spaces



180° distribution is suitable for illuminating paths. Bollard luminaires with 180° distribution (h ≥ 800 mm) enable uniform path lighting with luminaire spacing of up to 8m and 12 watt consumption. 360° distribution is ideal for illuminating forks in paths or open spaces. The distances between two bollard luminaires (h ≥ 800 mm) with 24 watt LED modules can be up to 10m. Other distances can be selected for visual orientation.

Further lighting methods and planning aids can be found on the web at www.erco.com/outdoor-pathways

Light is the fourth dimension
of architecture



ERCO GmbH
Postfach 2460
58505 Lüdenscheid
Brockhauser Weg 80-82
58507 Lüdenscheid
Germany

Tel.: +49 2351 551 0
Fax: +49 2351 551 300
info@erco.com
www.erco.com