

LED Projected Walkways & Photoluminescent Markings

LED projected walkways

LED projected walkways are an innovative method of improving pedestrian safety within industrial environments, such as warehouses, factories, and logistics hubs. These systems use high-visibility projected images—such as walkways, stop signs, pedestrian crossings, or hazard warnings—onto floors, bypassing issues commonly faced by painted or taped floor markings.



Advantages

- High visibility - remains clear image and not worn off like painted or taped markings
- Flexible – Signs can easily be reconfigured by changing the projector position (or lens)
- Low Maintenance – Projector requires low maintenance as opposes to re-newing line markings
- Energy efficient – LED lights are long lasting and low energy consuming

Considerations

- Requires suitable ceiling or wall for projector mounting
- Higher initial investment for equipment compared to paint
- Must be carefully positioned to avoid glare or interference with other lights

Photoluminescent Pathway Markings (e.g. Luminokrom)



Photoluminescent markings such as Luminokrom offer a passive, glow-in-the-dark solution for marking pedestrian or cycle routes, hazards, edges of steps and emergency evacuation routes during power failure. These lines charge via daylight or artificial lighting and can remain visible for up to 10 hours in complete darkness.

Advantages

- Charges during daylight or under artificial light, requiring no power supply to glow during dark periods
- No electricity required for night-time visibility; zero CO₂ emissions during use
- Anti-slip and highly durable under typical foot traffic; compliant with EN1436:2018 for road and floor markings.
- Applied directly to most surfaces such as concrete or asphalt.

Considerations

- In the UK winter, darkness hours will exceed 10 hours outdoors
- Requires regular exposure to natural or artificial light to maintain glow capability
- Proper surface cleaning and preparation are essential for long-lasting adhesion
- May require periodic re-application where heavy vehicle or forklift traffic occurs.
- Routes cannot be easily changed without re-painting

For More Information Contact Macinley Beckett - Sodexo – 07386 654837