

prismashield™



Designed for areas liable to severe physical attack and exposure to weather, Prismashield is an ultra-slim profile (only 73mm deep) robust surface-mount luminaire that can withstand impacts of 50 joules minimum. The polycarbonate diffuser with internal prisms produces a precise symmetric or asymmetric light distribution for even, glare-free illumination that helps people feel safe and more secure in arduous environments.

Two mounting options - surface and cornice mounting - an integral maintained emergency option and optional anti-graffiti coating make Prismashield a versatile lighting solution for areas that require extra security.

Applications

Underpasses
Corridors
Multi-deck car parks
Stairwells
Underground stations
Bus stations
Railway stations
Under canopy areas
Secure units / hospitals
Prisons & Young offenders institutions (circulation areas only)
Detention centres
Indoor sports applications

Features and Benefits

- Robust modular construction
Suitable for areas prone to vandalism
- Suitable for surface or cornice mounting
Versatile mounting locations
- Through-wiring facility
Suitable for mounting end to end in continuous runs
- High impact resistance of 50 joules minimum
Withstands severe physical attack
- Maintained emergency option
Maintained lighting through power cuts
- Anti-graffiti coating (optional)
Prevents vandalism & reduces cleaning cost
- IP659
Fully weatherproof with high impact resistance

Lamp Types (Included)

- 2 x 24W T5 fluorescent
- 2 x 28W T5 fluorescent
- 2 x 39W T5 fluorescent
- 2 x 49W T5 fluorescent
- 2 x 54W T5 fluorescent

IP Rating

- IP659  
- IK10 ++50 joules

Compliance

- EN60598-2-1
- CE



Problems with conventional anti-corrosive fittings

Broken toggles

The lens of anti-corrosive fittings is usually fastened to the luminaire body by a number of plastic toggles, which are prone to breaking with extended usage. Moreover, this fixing method makes it easy for vandals to get into the luminaire.

The Prismashield optic on the other hand is fixed to the luminaire body via six tamper-proof socket head M4 screws, securing the integrity of the fitting without fear of breakage and keeping vandals at bay.



Compromised IP rating

Broken toggles and inferior materials often mean that the stated IP rating of a typical anti-corrosive fitting cannot be guaranteed over time. Dirt and moisture will accumulate in the luminaire, compromising efficiency and eventually leading to failure.

Prismashield's 3mm thick polycarbonate diffuser is securely fastened to the luminaire body via six tamper-proof socket head M4 screws, with the end caps bonded to the lens. This high quality construction guarantees an IP rating of 659 over time.



Graffiti

A major problem today is graffiti being sprayed onto luminaires, thus obscuring the lens and compromising light output, sometimes obliterating it altogether.

To counteract this, Prismashield has the option of an anti-graffiti coating for the lens, which makes it easy to wipe off any graffiti without scratching or otherwise damaging the lens.





Surface-mount version



Surface-mount version in car park



Cornice-mounted version mounted end to end in continuous run



Cornice-mount version



Surface continuous run

