

## Inspection & Maintenance

### Safety Path Photoluminescent Exit Signs (Standard & Hybrid)

Photoluminescent Exit Signs are an approved Exit Sign technology, specified in the National Construction Code of Australia and enabled by Regulations in every State and Territory of Australia.

Smarterlite's Safety Path Photoluminescent (PL) Exit Signs are available in two forms:

- Standard PL Exit Signs, lit from external light sources
- Hybrid PL Exit Signs that have an integrated (co-mounted) light source.

This Fact Sheet explains how to inspect and maintain each type of Smarterlite Safety Path Exit Sign.

#### Standard PL Exit Signs Inspection & Maintenance

Any competent person can undertake an inspection.

##### **6**Monthly

Ensure signage is in place, legible, not obstructed.  
Clean as necessary.

Ensure dedicated light sources are operational and no unauthorised alterations.

If the dedicated light source have been altered in any way, then check there is minimum 100 lux on the face of the sign to meet NCC specification.

##### **3**Yearly

Ensure minimum illumination from the existing building lighting serving as a dedicated light source. Check illumination on face of the sign using an illuminance metre.

##### **30**Yearly (10 Yearly thereafter)

Test one representative sample sign to verify the signs still achieve required minimum luminance of 30mcd/m<sup>2</sup> for not less than 90 minutes.

#### Hybrid PL Exit Signs Inspection & Maintenance

Any competent person can undertake an inspection.

##### **6**Monthly

Ensure signage is in place, legible, not obstructed.  
Clean as necessary.

If the LED is not working, schedule a competent person to repair or replace LED's or driver as required.

##### **16**Years (LSL\*)

Using an illuminance meter, and ensuring the light sensor is facing into the sign (towards light guide plate), check illumination from light guide plate is minimum 100 lux.

Schedule next inspection:

- If 130 lux or more, in ten (10) years
- If 120 to 129 lux, in seven (7) years
- If 110 to 119 lux, in two (2) years
- If 100 to 109 lux, annually.

If less than 100 lux, schedule a competent person to repair or replace LED's.

##### **30** Years (10 Yearly thereafter)

Test one representative sample sign to verify the signs still achieve required minimum luminance of 30mcd/m<sup>2</sup> for not less than 90 minutes.

\* Projected TM21 LSL to L70, which will achieve 100 lux luminance on face of sign in accordance with NCC.