

Strip lights

15 February 2022

1 Strip lights in ESS lighting upgrades

Strip lights can be used in Energy Savings Scheme (**ESS**) lighting upgrades under the Commercial Lighting, Metered Baseline Method and Project Impact Assessment with Measurement and Verification methods.

As emerging lighting technologies, strip lights must be accepted for use before energy savings can be calculated and energy savings certificates registered. We recently accepted the first LED strip light products under the Commercial Lighting method.

This fact sheet outlines the product acceptance, auditing and compliance requirements for strip lights in ESS lighting upgrades.

2 Product acceptance

You apply for product acceptance of strip lights like you would for any other lighting product. The product acceptance process varies depending on the calculation method – see [our website](#) for details.

For Commercial Lighting applications, compliance with the Lamp Circuit Power (**LCP**) must be provided. Compliance with the LCP requirements must be demonstrated by providing a test report from a NATA accredited laboratory (or equivalent) that evidences both the testing and result.

Since strip light lengths and types vary, the strip light must be tested at the length that it is intended to be installed. The test report must clearly indicate the LCP for the length that was tested in metres. All strip lighting products must be tested with the associated driver.

If you want to install a strip light at varying lengths, you must apply for product acceptance for each length with the LCP specified for each length.

When submitting an application on the [ELT Portal](#), please select the "**Other Emerging Lighting Technology**" category at "Step 1 – Category".

We publish accepted lighting products on our [website](#). The LCP for a strip light includes the length at which it has been tested and can be installed (e.g. 12W for 1 metre length; 20W for 2 metre length). Energy savings calculations must use the LCP for the installation length as published in our [public lists](#).

3 Compliance and audit requirements

Accredited Certificate Providers (**ACPs**) must have evidence to demonstrate the LCP used in the calculations and the lengths of lighting installed. An auditor must be able to easily reconcile the length, model number and LCP. Strip lighting implementations may be subject to on site verification during audit.

Clause 9.4.1(c) of the ESS Rule specifies compliance requirements and standards. Performance requirements must also be met (e.g. surfaces are lit, glare is controlled, shadowing work areas avoided, and minimum illuminance and safe movement met). See Section 3.7.1 of the *Commercial Lighting Method Guide* for further details.

4 Enquiries

For enquiries regarding the use of strip lighting in ESS lighting upgrades, please contact us at ess@ipart.nsw.gov.au.