

ASSESSMENT GUIDELINES

Unit 1025

Describe and install lighting used in
landscaping work

Level 4, Credit 5, version 5

Describe and install lighting used in landscaping work

Unit standard 1025

Level 4, Credit 5, version 5

Level of performance required for this unit standard

This is a level 4 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work under broad guidance, independently; with complete responsibility for the standards of the outcome achieved.
- To apply technical skills, knowledge, and innovation to complete the task to the specified standard, in a variety of familiar and unfamiliar contexts.
- To analyse and interpret information, and make an informed judgment.

Assessors may consider linking the assessment of this unit standard with assessment for:

1020 – Design and install an irrigation system in landscape work.

Workplace assessment:

For guidelines on Workplace Assessment, please refer to the NZHITO Workplace Assessors Manual, and for further information, please contact: NZHITO, PO Box 8638, Christchurch. Ph 03 9644 735, fax 03 9644 737, website www.hortito.org.nz

Special Notes:

1. *Workplace procedures* refer to verbal or written instructions to staff on procedures for the worksite and equipment.
2. Legislation relevant to this unit standard includes but is not limited to the Health and Safety in Employment Act 1992, and the Resource Management Act 1991.
3. All electrical work undertaken should be supervised by a registered electrician. All electrical work should comply with the Electricity Regulations 1997.

**Unit 1025: Describe and install lighting used in landscape work
(Apprentice copy)**

ELEMENT	Competent	Range of evidence an assessor should consider
<p>Element 1 Describe the types of lighting and switching used in landscape work</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Identify power sources for lighting used in landscape work and describe the lighting powered by each source in terms of its characteristics and common uses. Range: 240 volt, low voltage, solar. ▪ Identify the characteristics of light provided by a range of different bulb types and accessories, list the positive and negative features of each in landscape lighting. Range may include but not limited to - standard incandescent, fluorescent, tungsten, halogen lamps, LED's (light emitting diodes), colored lamps and filters, reflectors. ▪ Identify the range of lighting effects used in landscaping and describe in terms of the characteristics and applications of each effect. Range: flood, feature or spot, backlighting, hidden, underwater, up lighting, down lighting. ▪ Identify the range of switching systems used in landscape lighting and define the advantages and disadvantages of each, listing the common applications of each. Range includes: manual, time controlled, noise, light or heat sensitive, motion sensitive and pressure sensitive.
<p>Element 2 Identify and carry out landscape lighting work which may be undertaken by people not registered as electricians.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Identify the range of work which may be done by people not registered as electricians in laying cables for landscape lighting, and list and apply the characteristics of the work on a given landscape site. Range: excavation of trenches, laying out of cable runs, placement of cable protection, backfilling and consolidation of cable trenches. ▪ Identify the range of work which may be done by people not registered as electricians in establishing landscape lighting units, list and apply the characteristics of the work on a given landscape site. Range: establishing foundations and fixing points, installing posts, poles, standards, fixing brackets and fittings, providing covers and shelters for control units, making connections within the site system if supervised by a registered electrician, low voltage systems and solar systems.

_____ (Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 1025 (version 5)

Signed (Assessor): _____

WPA Registration Number: _____ Date: _____

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Please send this page to your NZHITO Regional Manager, who will forward it to National Office to register the credits on your NZQA Record of Learning.

Unit 1025: Describe and install lighting used in landscaping work

(Name of Apprentice)

is Competent in Unit Standard 1025 (version 5)

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