



Australian Government

UEEEL0061 Provide advice on the application of energy efficient lighting for ambient and aesthetic effect

Release: 1

UEEEL0061 Provide advice on the application of energy efficient lighting for ambient and aesthetic effect

Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Application

This unit involves the skills and knowledge required to advise customer on energy efficient lighting for ambient and aesthetic effects.

It includes identifying and providing lighting product advice on lighting principles, light source types, effects of colour and visual perception; interpreting manufacturer technical information and documenting advice.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

UEEEL0016 Provide advice on effective and energy efficient lighting products

UEEEL0022 Supply effective and efficient lighting products for domestic and small commercial applications

Competency Field

Electrical

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify lighting products

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures

		are identified and applied
	1.2	Appropriate questioning and active listening techniques are used to determine nature of lighting enquiry
	1.3	Lighting documentation/specifications that will assist in providing advice are reviewed
2 Provide advice on lighting products	2.1	WHS/OHS risk control measures are followed in accordance with workplace procedures
	2.2	Product knowledge of lighting colour rendering index (CRI) and creation of effects is applied to providing the necessary advice
	2.3	Technical or costing inquiries are referred to appropriate person/s, as required
	2.4	Inquiries and responses are documented in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Providing accurate and clear advice on lighting must include at least three of the following:

- home theatre
- hotel and club dining rooms
- domestic entertainment areas
- semi-covered alfresco dining area
- lobby and gathering area
- special requirements for a reception centre

Unit Mapping Information

This unit replaces and is equivalent to UEENEEG183A Provide advice on the application of energy efficient lighting for ambient and aesthetic effect.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>

Assessment Requirements for UEEEL0061 Provide advice on the application of energy efficient lighting for ambient and aesthetic effect

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and include:

- applying product knowledge of lighting effects, including determining the most appropriate advice
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including implementing risk control measures
- preparing and providing advice on the application of lighting for ambient and aesthetic effects, including:
 - referring technical and costing inquiries to appropriate person/s
 - responding to and documenting inquiries and responses
- using questioning techniques and active listening when dealing with customers.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- colour rendering index (CRI)
- control of lighting levels, including use of electrical or electronic and natural daylight
- customer communication skills and techniques
- diffused light
- effects of indirect and reflected light, including pelmet lighting
- effects of surface texture
- function of ambience
- lighting effects
- product knowledge of ambient and aesthetic lighting effects
- psychology of lighting, perception and mood, including colour, temperature and space and confinement
- relevant lighting workplace documentation

- relevant manufacturer specifications
- relevant WHS/OHS legislated requirements, including risk control measures
- relevant workplace policies and procedures
- visual perception.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in suitable simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, relevant industry standards, codes of practice and operation manuals.

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