



Australian Government

UEEEL0070 Select effective and efficient light sources and luminaries for given locations and designs

Release: 1

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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 select effective and efficient light sources and luminaries for given locations and designs.

It includes preparing and selecting light sources and luminaries, and documenting justification for the selections.

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

Pre-requisite Unit

UEEEL0063 Provide photometric data for illumination system design

Competency Field

Electrical

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to select light sources and luminaries

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) procedures for a given work location are identified and applied
- 1.2** Lighting design parameters are obtained from a design brief, job specification and/or consultations with the

		client
	1.3	Illumination parameters for particular situation and task are obtained and applied in accordance with relevant industry standards
	1.4	Lighting manufacturer specifications for products are obtained and reviewed
2	Select light sources and luminaries	
	2.1	WHS/OHS risk control work measures and workplace procedures are followed
	2.2	Light sources and luminaries are selected appropriate to lighting design parameters
	2.3	Selected light sources and luminaries are within the illumination in accordance with relevant industry standards and the job specification
	2.4	Selected light sources and luminaries are documented accordance with workplace procedures
	2.5	Documentation is forwarded to appropriate person/s 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.

- Selecting light sources and luminaries must be demonstrated in at least three of the following:
- an application using incandescent lamps for colour rendition
 - outside security lighting
 - high bay application
 - highway lighting
 - store/shop lighting
 - school or training classroom
 - localised task lighting
 - flood-lighting application

- situation integrating some natural daylight

Unit Mapping Information

This unit replaces and is equivalent to UEENEEG185A Select effective and efficient light sources and luminaries for given locations and designs.

Links

Companion Volume implementation guides are found in VETNet - -

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