

Changes to product type and certificate creation for lighting activities 34 and 27



24 September 2020



Thank you for feedback on the proposed changes to product types and the available upgrade lamp ballast combinations and asset lifetime references for lamps installed under activity 34



We have now made changes to our guidance documents and VEU registry to reflect these changes.



We have also made some changes to the certificate creation form for public lighting upgrade (activity 27).

We have now reviewed feedback from stakeholders further to our [program update](#) of 15 September on proposed changes to lamp product types and available upgrade lamp ballast combinations and asset lifetime references for lamps installed under activity 34. Feedback received confirmed that the proposed changes are reasonable and valid and will provide value to both us and program participants involved in building based lighting upgrade activities.

Changes to LED lamp product types in the VEU registry

We will be re-categorising LED lamps currently categorised as 'LED other (240V)', of which there are around 4,000 lamps in our Register of Products, into one of the below new lamp types.



Table 1: New LED product lamp types to replace 'LED other (240V)'

Proposed LED product lamp types
LED lamp with integrated driver
LED lamp with non- integrated driver
Flood light with integrated driver
LED panel light with integrated driver
LED panel light with non-integrated driver
LED tube with integrated driver

This change in lamp product types will align better with the LED lamp types listed in the VEU Specifications and will provide a better understanding of the type of LED lamps being installed under the program.

Changes to lamp ballast combinations and asset lifetime references for LED lamp upgrades

We will be implementing changes in the VEU registry to prevent accredited persons (APs) from submitting certificate claims entered with invalid lamp ballast combination and/or asset lifetime references based on the upgrade lamp support accredited persons. This change will minimise the risk of improper VEEC creation claims by accredited persons.

The matrix of available lamp ballast combinations and asset lifetime references for each lamp type under building based lighting upgrades is detailed in tables in the appendix below.

We recommend that all accredited persons involved in activity 34 review the lamp type for products which you install/claim certificates for (as listed in the [Register of Products](#)) and the matrix to consolidate your understanding of the correct lamp ballast combinations and asset lifetime references for such lamps.

Changes to certificate creation form for public lighting upgrade

As part of the updates to the VEU registry, we will also be making changes to the certificate creation form for public lighting upgrade (activity 27). A new field 'Product Approval Type' has been added to the creation form as a mandatory field for this activity.



Updated guidance documents

Further to above changes, we have released updated guidance documents:

- [Building Based Lighting Upgrades Activity Guide](#)
- [Lighting Product Application Guide](#)

VEU Registry outage and changes

To implement the above changes, the [VEU Registry](#) will not be available on Thursday, 24 September from 6 to 7 pm.

Where to get help

We invite program participants to contact VEU Support on (03) 9032 1310 or veu@esc.vic.gov.au if you have any outstanding queries in respect of proposed changes.



Appendix

Table 2: Available lamp ballast combinations and available asset lifetime reference conditions for installed LED lamp product types.¹

Lamp ballast combinations	Installed LED lamp product types ²											
	LED highbay	LED tube (lamp only)	LED downlight with integral driver (240V)	LED ELV downlight with 240V remote driver	LED ELV downlight (lamp only)	LED lamp with ID	LED lamp with NID	Flood light with ID	LED panel light with ID	LED panel light with NID	LED tube with ID	LED tube (luminaire)
LED integrated luminaire	LR		LR			LR		LR	LR			LR
LED lamp with integral driver, connected with a non-integral legacy ballast used for a T8 or T12 linear or circular fluorescent lamp, marked with EEI of A or electronic ballast with no EEI marked											M/R	
LED lamp with integral driver, connected with a non-integral legacy ballast used for a T8 or T12 linear or circular fluorescent lamp, marked with EEI of > B or magnetic ballast with no EEI marked											M/R	

¹ Asset lifetime conditions being LR = luminaire replacement, M = modification, R = retrofit

² ID denotes integrated driver and NID denotes non-integrated driver



Lamp ballast combinations	Installed LED lamp product types ²											
	LED highbay	LED tube (lamp only)	LED downlight with integral driver (240V)	LED ELV downlight with 240V remote driver	LED ELV downlight (lamp only)	LED lamp with ID	LED lamp with NID	Flood light with ID	LED panel light with ID	LED panel light with NID	LED tube with ID	LED tube (luminaire)
LED lamp with integral driver with no associated legacy ballast connected	LR		LR/M/R ³			LR/M/R ⁴		LR	LR		M/R	LR
LED lamp with ID, connected with a legacy ballast used for a T5 linear or circular fluorescent lamp											M/R	
LED lamp with ID, connected with a legacy electronic ballast used for HID lamps	M/R					M/R		M/R				
LED lamp with ID, connected with a legacy magnetic ballast used for HID lamps	M/R					M/R		M/R				
Non-integrated LED lamp with remote driver or ELC		M/R		LR/M/R	LR/M/R ⁵		LR			LR		
Non-integrated LED luminaire with remote driver				LR/M/R	LR/M/R		LR			LR		

³ Asset lifetime condition luminaire replacement (LR) is not allowed for GU10 lamp installations

⁴ Asset lifetime condition luminaire replacement (LR) is not allowed for GLS and reflector lamp installations

⁵ Asset lifetime condition luminaire replacement (LR) is not allowed for installations of MR16 lamps



Table 3: Available lamp ballast combinations and available asset lifetime reference conditions for installed fluorescent lamp product types⁶

Lamp ballast combinations	Installed fluorescent lamp product types					
	CFL (GLS)	CFL downlight	T5 linear fluorescent lamp with T5 adaptor	T5 fluorescent lamp	T8 fluorescent lamp	T12 fluorescent lamp
Compact fluorescent lamp with integral ballast	R/M	R/M				
Compact fluorescent lamp with non-integral ballast (EEI of A or electronic with no EEI marked)	R/M	R/M				
Compact fluorescent lamp with non-integral ballast (EEI > B or magnetic ballast with no EEI marked)	R/M	R/M				
T5 linear or circular fluorescent lamp with ballast				R/M		
T8 or T12 linear or circular fluorescent lamp with ballast (EEI of A or electronic with no EEI marked)					R/M	R/M
T8 or T12 linear or circular fluorescent lamp with ballast (EEI of > B or magnetic with no EEI marked)					R/M	R/M

Table 4: Available lamp ballast combinations and available asset lifetime reference conditions for other installed lamp product types⁷

⁶ Asset lifetime conditions being LR = luminaire replacement, M = modification, R = retrofit

⁷ Asset lifetime conditions being LR = luminaire replacement, M = modification, R = retrofit



Lamp ballast combination	Other installed lamp product types				
	High pressure sodium	Induction	Mercury vapour	Metal halide	Other
High pressure sodium lamp with magnetic ballast	LR				
Induction lamp with integrated ballast		LR			
Induction lamp with non-integral ballast		LR			
Mercury vapour lamp with ballast			LR		
Self-ballasted mercury vapour lamp			LR		
Metal halide lamp with electronic ballast				LR	
Metal halide lamp with magnetic ballast				LR	
Other – LCP determined by ESC *					LR/M/R

* This option is only available for lamp products which have been provided a LCP determination by the commission

